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GENERAL INFORMATION

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HAZLUX® 1 CERTIFICATION GUIDE (40°C AMBIENT)

LAMP TYPE	WATTS	AMBIENT TEMP (Deg. C)	CLASS I, DIVISION 2 TEMPERATURE CODE		MARINE*	NEMA 4X (Suitable for Hosedown)*	WET LOCATIONS	SUPPLY WIRE TEMP. RATING C°
			Globe*/Guard & Reflector	Refractor*/ Guard				
HIGH PRESSURE SODIUM	50	40	T3	T3	YES	YES	YES	90
	70	40	T3	T3	YES	YES	YES	90
	100	40	T3	T3	YES	YES	YES	90
	150	40	T2C	T2C	YES	YES	YES	90
METAL HALIDE	70	40	T3C	T3C	YES	YES	YES	90
	100	40	T3	T3	YES	YES	YES	90
	175	40	T2B	T2A	YES	YES	YES	90
MERCURY VAPOR	100	40	T2B	T2B	YES	YES	YES	90
	175	40	T2B	T2B	YES	YES	YES	90

HAZLITE™ M1 CERTIFICATION GUIDE

LAMP TYPE	AMBIENT °C	MARINE	ORDINARY	CLASS I, DIVISION 2 GLOBES — "TR" REFRACTOR WITH/ WITHOUT REFLECTORS		NEMA 4X (Suitable for Hosedown)*	SUPPLY WIRE SUITABLE C°	VOLTS
				Temp. °C	Temp. Code			
35 Watt H.P.S. Type S76	40	Yes	Yes	180	T3A	Yes	75	120
	55	Yes	Yes	200	T3	Yes	90	120
50 Watt H.P.S. Type S68	40	Yes	Yes	215	T2D	Yes	75	120
	55	Yes	Yes	215	T2D	Yes	90	120
70 Watt H.P.S. Type S62	40	Yes	Yes	260	T2B	Yes	75	120
	55	Yes	Yes	260	T2B	Yes	90	120
100 Watt H.P.S. Type S54	40	No	Yes	280	T2A	Yes	110†	120
9 Watt Fluorescent	40	Yes	Yes	160	T3C	Yes	90	120
13 Watt Fluorescent	40	Yes	Yes	160	T3C	Yes	90	120
18 Watt Fluorescent	40	Yes	Yes	160	T3C	Yes	90	120
26 Watt Fluorescent	40	Yes	Yes	200	T3	Yes	90	120
100 Watt M.V. Type H38	40	No	Yes	280	T2A	Yes	75	120

†Contact Factory

• *NOTE REGARDING GLASS GLOBES AND REFRACTORS* — All Hazlux fixture assemblies shown in this Buyers Guide as UL Listed or CSA Certified for Marine applications are suitable for hosedown when fixture is off and glass has been allowed to cool. Tempered glass globes and refractors have better thermal shock resistance properties than non-tempered globes and refractors and should be considered whenever fixtures are subject to being splashed with significantly cooler liquids while illuminated (hot). Consult factory for more information.

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HAZLUX® 3 CERTIFICATION GUIDE (40°C AMBIENT)
STANDARD BALLAST HOUSING - 5-1/2'' THREAD

CHART A

LAMP TYPE	WATTS	AMBIENT TEMP (Deg. C)	CLASS I, DIVISION 2 GROUPS A, B, C, D TEMPERATURE CODE		CLASS II DIVISION 1 & 2 GROUPS		UL 1598 MARINE*	NEMA 4X*	SUPPLY WIRE TEMP. RATING (Deg. C)
			VGT/VGL22 5-1/2" Globe, Guard & Reflector	VRF22C5 12'' Dia. Refractor	VGT/VGL22 5-1/2" Globe, Guard & Reflector	VRF22C5 12'' Dia. Refractor			
HIGH PRESSURE SODIUM	50	40	T3C	T4	EFG	EFG	YES	YES	60
	70	40	T3A	T3C	EFG	EFG	YES	YES	85
	100	40	T2C	T2D	EFG	EFG	YES	YES	85
	150	40	T2A	T2B	—	EFG	YES	YES	90
MERCURY VAPOR	100	40	T2B	T2C	EFG	EFG	YES	YES	85
	175	40	T2	T2B	—	EFG	YES	YES	90
	250	40	350°C	325°C	—	EFG	—	YES	110
METAL HALIDE	70	40	T3C	T2C	EFG	EFG	YES	YES	75
	100	40	T3A	T2C	EFG	EFG	YES	YES	75
	175	40	T2A	T2C	—	EFG	YES	YES	90
	250	40	T2	T2	—	EFG	—	YES	125

NOTES: 1.) Simultaneous Presence Applications: Some Hazlux 3 fixtures are UL Listed for simultaneous presence of gas and dust. Contact Hazlux for specific information.
2.) Tuffskin® Coated Optics: Many Hazlux 3 fixtures are UL Listed with Tuffskin® (silicone) coating on glass optics. Contact Hazlux for specific information.
3.) For UL & CSA Certification Information on other ambient temperatures and fixture configurations, consult the factory or refer to the Hazlux Application Guide (Order Number: H7027).

HAZLUX® 3 CERTIFICATION GUIDE (40°C AMBIENT)
"R-TANK" BALLAST HOUSING - 7-3/4'' THREAD

CHART B

LAMP TYPE	WATTS	AMBIENT TEMP (Deg. C)	CLASS I, DIVISION 2 GROUPS A, B, C, D TEMPERATURE CODE		CLASS II DIVISION 1 & 2 GROUPS		UL 1598 MARINE*	NEMA 4X*	SUPPLY WIRE TEMP. RATING (Deg. C)
			VGT31S 7-3/4'' Globe, Guard & Reflector	VGL31R5 7-3/4'' Dia. Refractor Globe	VGT31S 7-3/4'' Globe, Guard & Reflector	VGL31R5 7-3/4'' Dia. Refractor Globe			
HIGH PRESSURE SODIUM	50	40	T3C	T3C	EFG	EFG	YES	YES	60
	70	40	T3A	T3A	EFG	EFG	YES	YES	85
	100	40	T2D	T3	EFG	EFG	YES	YES	85
	150	40	T2B	T2B	EFG	EFG	YES	YES	85
MERCURY VAPOR	100	40	T2B	T2B	EFG	EFG	YES	YES	85
	175	40	T2	T2A	EFG	EFG	YES	YES	90
	250	40	350°C	350°C	EF	EF	—	YES	110
METAL HALIDE	70	40	T3	T3	EFG	EFG	YES	YES	75
	100	40	T3	T3	EFG	EFG	YES	YES	75
	175	40	T2B	T2B	EFG	EFG	YES	YES	90
	250	25	T2	T2	—	EFG	—	YES	90

NOTES: 1.) Simultaneous Presence Applications: Many Hazlux 3 fixtures are UL Listed for simultaneous presence of gas and dust. Contact Hazlux for specific information.
2.) Tuffskin® Coated Optics: Many Hazlux 3 fixtures are UL Listed with Tuffskin® (silicone) coating on glass optics. Contact Hazlux for specific information.
3.) For UL & CSA Certification Information on other ambient temperatures and fixture configurations, consult the factory or refer to the Hazlux Application Guide (Order Number: H7027).

* NOTE REGARDING GLASS GLOBES AND REFRACTORS — All Hazlux fixture assemblies shown in this Buyers Guide as UL Listed or CSA Certified for Marine applications are suitable for hosedown when fixture is off and glass has been allowed to cool. Tempered glass globes and refractors have better thermal shock resistance properties than non-tempered globes and refractors and should be considered whenever fixtures are subject to being splashed with significantly cooler liquids while illuminated (hot). Consult factory for more information.

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HAZLUX® 3 CERTIFICATION GUIDE (40°C AMBIENT)
LARGE BALLAST HOUSING - 7-3/4'' THREAD

CHART C

LAMP TYPE	WATTS	AMBIENT TEMP (Deg. C)	CLASS I, DIVISION 2 GROUPS A, B, C, D TEMPERATURE CODE			CLASS II DIVISION 1 & 2 GROUPS			UL 1598 MARINE*	NEMA 4X*	SUPPLY WIRE TEMP. RATING (Deg. C)
			VGT31 Globe With Guard & Reflector	VRF31C5 12'' Dia. Refractor	Reflector with Lens	VGT31 Globe With Guard & Reflector	VRF31C5 12'' Dia. Refractor	Reflector with Lens			
HIGH PRESSURE SODIUM	200	40	T2	T2A	T2A	EFG	EFG	EFG	YES	YES	90
	250	40	325°C	325°C	325°C	EFG	EFG	EFG	YES	YES	90
	400	40	T2A	T2B	T2B	—	EFG	EF	—	YES	110
MERCURY VAPOR	250	40	350°C	325°C	350°C	EF	EFG	EFG	—	YES	110
	400	40	350°C	325°C	350°C	EF	EFG	EF	—	YES	110
METAL HALIDE	250	40	T2	T2A	T2A	—	EFG	EFG	—	YES	90
	400	40	350°C	325°C	325°C	—	EFG	EF	—	YES	110

NOTES: 1.) 400 Watt HPS T-numbers based on BT/E/ED 37 diffuse coated lamp. Contact Hazlux for certification information when using other lamps.
2.) Simultaneous Presence Applications: Some Hazlux 3 fixtures are UL Listed for simultaneous presence of gas and dust. Contact Hazlux for specific information.
3.) Tuffskin® Coated Optics: Many Hazlux 3 fixtures are UL Listed with Tuffskin® (silicone) coating on glass optics. Contact Hazlux for specific information.
4.) For UL & CSA Certification Information on other ambient temperatures and fixture configurations, consult the factory or refer to the Hazlux Application Guide (Order Number: H7027).

HAZLITE™ M3 CERTIFICATION GUIDE (40°C AMBIENT)

The data listed in the table below is for UL844/595 listing at 40°C Ambient.

CHART D

FIXTURE TYPE	WATTS	SERIES	CLASS I, DIVISION 2 GROUPS A, B, C, D TEMPERATURE CODE		CLASS II, DIVISION 1 & 2 GROUPS		CLASS III, DIVISION 1 & 2		NEMA 4X (Suitable for Hosedown)*	MARINE LISTED (UL 1598)*
			Globe & Guard With or Without Reflector	8'' Refrac-tor	Globe & Guard With or Without Reflector	8'' Refrac-tor	Globe & Guard With or Without Reflector	8'' Refrac-tor		
HIGH PRESSURE SODIUM	35	DSM	T3A	T3A	EF&G	EF&G	Yes	Yes	Yes	Yes
	50	DSM	T3	T3	EF&G	EF&G	Yes	Yes	Yes	Yes
	70	DSM	T2B	T2B	EF&G	EF&G	Yes	Yes	Yes	Yes
	100	DSM	T2A	T2A	E&F	EF&G	—	Yes	Yes	Yes
	150	DSM	325°C	325°C	E&F	EF&G	—	Yes	Yes	—
MERCURY VAPOR	50	DMM	T2B	T2B	EF&G	EF&G	Yes	Yes	Yes	Yes
	75	DMM	T2	T2	EF&G	EF&G	Yes	Yes	Yes	Yes
	100	DMM	325°C	325°C	E&F	EF&G	—	Yes	Yes	—
FLUORES-CENT	9	DFB	T3C	T3C	EF&G	EF&G	Yes	Yes	Yes	Yes
	13	DFB	T3C	T3C	EF&G	EF&G	Yes	Yes	Yes	Yes
	18	DFB	T3C	T3C	EF&G	EF&G	Yes	Yes	Yes	Yes
	26	DFB	T3	T3	EF&G	EF&G	Yes	Yes	Yes	Yes
INCANDES-CENT	60	DIM	T3	T3	E&F	EF&G	—	Yes	Yes	Yes
	100	DIM	T3	T3	E&F	EF&G	—	Yes	Yes	Yes
	150	DIM	T2B	T2B	—	EF&G	—	Yes	Yes	Yes

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*** NOTE REGARDING GLASS GLOBES AND REFRACTORS —** All Hazlux fixture assemblies shown in this Buyers Guide as UL Listed or CSA Certified for Marine applications are suitable for hosedown when fixture is off and glass has been allowed to cool. Tempered glass globes and refractors have better thermal shock resistance properties than non-tempered globes and refractors and should be considered whenever fixtures are subject to being splashed with significantly cooler liquids while illuminated (hot). Consult factory for more information.

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HAZLUX® 5 CERTIFICATION GUIDE (40°C AMBIENT)

CHART E

FIXTURE TYPE	WATTS		CLASS I, DIV. 1, GROUPS C & D		CLASS II, DIV. 1 & 2		CLASS III, DIV. 1 & 2	NEMA 4X (Suitable for Hosedown)*	MARINE LISTED (UL 595)*
			Rated Temp °C	"T" No.	Rated Temp °C	Groups			
High Pressure Sodium	(With or Without Instant Restart)	50 ☑	85	T6	100	EFG	Yes	Yes	Yes
		70 ☑	85	T6	120	EFG	Yes	Yes	Yes
		100 ☑	100	T5	135	EFG	Yes	Yes	Yes
		150(S55)	120	T4A	160	EFG	Yes	Yes	Yes
		150(S56)	120	T4A	160	EFG	Yes	Yes	Yes
		250	120	T4A	—	—	—	Yes	Yes
		400	160	T3C	—	—	—	Yes	Yes
	With Auxiliary Quartz	50	120	T4A	160	EFG	Yes	Yes	Yes
		70	120	T4A	160	EFG	Yes	Yes	Yes
		100	160	T3C	200	EF	—	Yes	Yes
		150(S55)	160	T3C	200	EF	—	Yes	Yes
		150(S56)	160 ⊕	T3C ⊕	—	—	—	Yes	Yes
Mercury Vapor		100 ☑	100	T5	135	EFG	Yes	Yes	Yes
		175	135	T4	180	EF	—	Yes	Yes
		250	160	T3C	200	EF	—	Yes	Yes
		400	180	T3A	—	—	—	Yes	Yes
	With Auxiliary Quartz	100	160	T3C	200	EF	—	Yes	Yes
		175	180 ⊕	T3A ⊕	—	—	—	Yes	Yes
		250	180 ⊕	T3A ⊕	—	—	—	Yes	Yes
Metal Halide		100							
		175	120	T4A	180	EF	—	Yes	Yes
		250	160	T3C	200	EF	—	Yes	Yes
		400	165	T3B	—	—	—	Yes	Yes
	With Auxiliary Quartz	175	160 ⊕	T3C ⊕	—	—	—	Yes	Yes
		250	180 ⊕	T3A ⊕	—	—	—	Yes	Yes

* **NOTE REGARDING GLASS GLOBES AND REFRACTORS —** All Hazlux fixture assemblies shown in this Buyers Guide as UL Listed or CSA Certified for Marine applications are suitable for hosedown when fixture is off and glass has been allowed to cool. Tempered glass globes and refractors have better thermal shock resistance properties than non-tempered globes and refractors and should be considered whenever fixtures are subject to being splashed with significantly cooler liquids while illuminated (hot). Consult factory for more information.

☑ These fixtures suitable (UL Listed) for use in paint spray areas, add suffix "PS" to the number.

100W MH is UL listed for paint spray.

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HAZLITE™ M5 CERTIFICATION GUIDE (40°C AMBIENT)

CHART F

FIXTURE TYPE	WATTS	CLASS I, DIV. 1, GROUPS C & D CLASS 1, DIV. 2, GROUPS A,B,C&D		CLASS II, DIV. 1 & 2		CLASS III, DIV. 1 & 2	NEMA 4X*	MARINE LISTED (UL 1598)*
		Rated Temp °C	"T" No.	Rated Temp °C	Groups			
High Pressure Sodium	35 ☑	85	T6	100	EFG	Yes	Yes	Yes
	50 ☑	85	T6	120	EFG	Yes	Yes	Yes
	70 ☑	100	T5	135	EFG	Yes	Yes	Yes
	100	120	T4A	160	EFG	Yes	Yes	Yes
	150 ⊕	135	T4	—	—	—	Yes	Yes
Mercury Vapor	50	100	T5	120	EFG	Yes	Yes	Yes
	75	120	T4A	160	EFG	Yes	Yes	Yes
	100	135	T4A	160	EFG	Yes	Yes	Yes
Incand.	100	100	T5	160	EFG	Yes	Yes	Yes
	150	120	T4A	200	EF	—	Yes	Yes
Fluor.	18 ⊕ ☑	85	T6	85	EFG	Yes	Yes	Yes
	26 ⊕ ☑	85	T6	85	EFG	Yes	Yes	Yes

⊕ *UL Listed at 25°C*

☑ *These fixtures suitable (UL Listed) for use in paint spray areas, add suffix "PS" to the catalog number. Fluorescents T-Code will be T4A.*

** **NOTE REGARDING GLASS GLOBES AND REFRACTORS** — All Hazlux fixture assemblies shown in this Buyers Guide as UL Listed or CSA Certified for Marine applications are suitable for hosedown when fixture is off and glass has been allowed to cool. Tempered glass globes and refractors have better thermal shock resistance properties than non-tempered globes and refractors and should be considered whenever fixtures are subject to being splashed with significantly cooler liquids while illuminated (hot). Consult factory for more information.*

T - Number Table

T - NUMBER	MAXIMUM TEMPERATURE C°	T - NUMBER	MAXIMUM TEMPERATURE C°
T1	450	T3A	180
T2	300	T3B	165
T2A	280	T3C	160
T2B	260	T4	135
T2C	230	T4A	120
T2D	215	T5	100
T3	200	T6	85

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Hazardous Locations

HAZARDOUS LOCATION—An area where the possibility of explosion and fire is created by the presence of flammable gases, vapors, dust, fibers or flyings.

CLASS I-Gas

CLASS I (NEC-500-5) — Those areas in which flammable gases or vapors may be present in the air in sufficient quantities to be explosive or ignitable.

Typical Class I Locations:

- Petroleum refineries, and gasoline storage and dispensing areas.
- Industrial firms that use flammable liquids in dip tanks for parts cleaning or other operations.
- Petrochemical companies that manufacture chemicals from gas and oil.
- Dry cleaning plants where vapors from cleaning fluids can be present.
- Companies that have spraying areas where they coat products with paint or plastics.
- Aircraft hangars and fuel serving areas.
- Utility gas plants and operations involving storage and handling of liquified petroleum gas or natural gas.

CLASS II-Dust

CLASS II (NEC-500-6) — Those areas made hazardous by the presence of combustible dust.

Typical Class II Locations:

- Grain elevators, flour and feed mills.
- Plants that manufacture, use or store magnesium or aluminum powders.
- Plants that have chemical or metallurgical processes: producers of plastics, medicines and fireworks, etc.
- Producers of starch or candies.
- Spice-grinding plants, sugar plants and cocoa plants.
- Coal preparation plants and other carbon handling or processing areas.

CLASS III-Fibers

CLASS III (NEC-500-7) — Those areas in which there are easily ignitable fibers or flyings present, due to type of material being handled, stored, or processed.

Typical Class III Locations:

- Textile mills, cotton gins, cotton seed mills and flax processing plants.
- Any plant that shapes, pulverizes or cuts wood and creates sawdust or flyings.

NOTE: Fibers and flyings are not likely to be suspended in the air, but can collect around machinery or on lighting fixtures and where heat, a spark or hot metal can ignite them.

DIVISION 1-Normally Hazardous

DIVISION 1 — Hazardous gases or dusts are present under normal operation conditions or during frequent repair and maintenance activity.

GROUPS A-B-C-D

GROUPS (NEC-500-2 & 502-1) — The gases and vapors of Class I locations are broken into four groups by the code A, B, C and D. These materials are grouped according to: the ignition temperature of the substance, its explosion pressure and other flammable characteristics.

GROUPS E-F-G

CLASS II—dust locations-groups E, F and G. These groups are classified according to the ignition temperature and the conductivity of the hazardous substance.

DIVISION 2-Not Normally Hazardous

DIVISION 2 — Hazardous gases or dusts are not present under normal operating conditions.

ARTICLES 500 Through 505 (1996 NEC)—Explains in detail the requirements for the installation of wiring or electrical equipment in hazardous locations. These articles along with other applicable regulations; local governing inspection authorities, insurance representatives, and qualified engineering/technical assistance should be your guides to the installation of wiring or electrical equipment in any hazardous or potentially hazardous location.

Note: These are simplified definitions - complete data is available in the referenced 1996 NEC.

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Ignition Temperatures and Group Classifications for Flammable Gases and Vapors

MATERIAL	GROUP	AUTOIGNITION TEMPERATURE	
		DEGREES F	DEGREES C
ACETALDEHYDE	C	347	175
ACETIC ACID	D	867	464
ACETIC ANHYDRIDE	D	600	316
ACETONE	D	869	465
ACETONE CYANOHYDRIN	D	1270	688
ACETONITRILE	D	975	524
ACETYLENE	A	581	305
ACROLEIN (INHIBITED)	B(C)	455	285
ACRYLIC ACID	D	820	438
ACRYLONITRILE	D	898	481
ALLYL ALCOHOL	C	713	378
ALLYL CHLORIDE	D	905	485
ALPHA-METHYL STYRENE	D	1066	574
AMMONIA	D	928	498
n-AMYL ACETATE	D	680	360
ANILINE	D	1139	615
BENZENE	D	928	498
BENZYL CHLORIDE	D	1085	585
1.3-BUTADIENE	B(D)	788	420
BUTANE	D	550	288
1-BUTANOL	D	650	343
2-BUTANOL	D	761	405
n-BUTYL ACETATE	D	790	421
n-BUTYL ACRYLATE (INHIBITED)	D	559	293
BUTYLAMINE	D	594	312
BUTYLENE	D	725	385
n-BUTYRALDEHYDE	C	425	218
n-BUTYRIC ACID	D	830	443
CARBON DISULFIDE	*	194	90
CARBON MONOXIDE	C	1128	609
CHLOROBENZENE	D	1099	593
CRESOL	D	1038-1110	559-599
CROTONALDEHYDE	C	450	232
CUMENE	D	795	424
CYCLOHEXANE	D	473	245
CYCLOHEXANOL	D	572	300
CYCLOHEXANONE	D	473	245
CYCLOHEXENE	D	471	244
CYCLOPROPANE	D	938	503
p-CYMENE	D	817	436
n-DECANOL	D	550	288
DECENE	D	455	235
DI-ISOBUTYL KETONE	D	745	396

*Carbon Disulfide has characteristics which require safeguards beyond those required for any of the above groups.

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Ignition Temperatures and Group Classifications for Flammable Gases and Vapors (continued)

MATERIAL	GROUP	AUTOIGNITION TEMPERATURE	
		DEGREES F	**DEGREES C**
DI-ISOBUTYLENE	D	736	391
DI-N-PROPYLAMINE	C	570	299
DIACETONE ALCOHOL	D	1118	603
o-DICHLOROBENZENE	D	1198	647
1.1-DICHLOROETHANE	D	820	438
1.2-DICHLOROETHYLENE	D	860	460
DICYLOPENTADIENE	C	937	503
DIETHYL BENZENE	D	743-842	395-450
DIETHYL ETHER	C	320	160
DIETHYLAMINE	C	594	312
DIETHYLENE GLYCOL MONOBUTYL ETHER	C	442	228
DIETHYLENE GLYCOL MONOMETHYL ETHER	C	465	241
n-n-DIMETHYL ANILINE	C	700	371
DIMETHYL FORMAMIDE	D	833	455
DIMETHYL SULFATE	D	370	188
DIMETHYLAMINE	C	752	400
1,4-DIOXANE	C	356	180
DIPENTENE	D	458	237
DODECENE	D	491	255
DU-ISOPROPYLAMINE	C	600	316
EPICHLOROHYDRIN	C	772	411
ETHANE	D	882	472
ETHANOL	D	685	363
ETHYL ACETATE	D	800	427
ETHYL ACETATE (INHIBITED)	D	702	372
ETHYL BENZENE	D	810	432
ETHYL CHLORIDE	D	966	519
ETHYL FORMATE	D	851	455
2-ETHYL HEXANOL	D	448	231
2-ETHYL HEXYL ACRYLATE	D	485	252
ETHYL MERCAPTAN	C	572	300
ETHYLAMINE	D	725	385
ETHYLENE	C	842	450
ETHYLENE CHLOROHYDRIN	D	797	425
ETHYLENE DICHLORIDE	D	775	413
ETHYLENE GLYCOL MONOBUTYL ETHER	C	460	238
ETHYLENE GLYCOL MONOBUTYL ETHER ACETATE	C	645	340
ETHYLENE GLYCOL MONOETHYL ETHER	C	455	235
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	C	715	379
ETHYLENE GLYCOL MONOMETHYL ETHER	D	545	285
ETHEYLENE OXIDE	B(C)	804	429
ETHYLENEDIAMINE	D	725	385
ETHYLENIMINE	C	608	320
2-ETHYLEHEXALDEHYDE	C	375	191
FORMALDEHYDE (GAS)	B	795	429
FORMIC ACID (90%)	D	813	434

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Ignition Temperatures and Group Classifications for Flammable Gases and Vapors (continued)

MATERIAL	GROUP	AUTOIGNITION TEMPERATURE	
		DEGREES F	DEGREES C
FUEL OILS	D	410-765	210-407
FURFURAL	C	600	316
FURFURYL ALCOHOL	C	915	490
GASOLINE	D	536-880	280-471
HEPTANE	D	399	204
HEPTENE	D	500	260
HEXANE	D	437	225
2-HEXANONE	D	795	424
HEXENES	D	473	245
HYDRAZINE	C	74-518	23-270
HYDROGEN	B	968	520
HYDROGEN CYANIDE	C	1000	538
HYDROGEN SULFIDE	C	500	260
ISO-BUTYL ACETATE	D	790	421
ISO-OCTYL ALDEHYDE	C	387	197
ISOAMYL ACETATE	D	680	360
ISOAMYL ALCOHOL	D	662	350
ISOBUTYL ACRYLATE	D	800	427
ISOBUTYRALDEHYDE	C	385	196
ISOPHORONE	D	860	460
ISOPRENE	D	428	220
ISOPROPYL ACETATE	D	860	460
ISOPROPYL ETHER	D	830	443
ISOPROPYLAMINE	D	756	402
KEROSENE	D	410	210
LIQUIFIED PETROLEUM GAS	D	761-842	405-450
MESITYL OXIDE	D	652	344
METHANE	D	999	537
METHANOL	D	725	385
METHYL ACETATE	D	850	454
METHYL ACRYLATE	D	875	468
METHYL ETHER	C	662	350
METHYL ETHYL KETONE	D	759	404
METHYL FORMAL	C	460	238
METHYL FORMATE	D	840	449
METHYL ISOBUTYL KETONE	D	840	449
METHYL ISOCYANATE	D	994	534
METHYL METHACRYLATE	D	792	422
METHYL N-AMYL KETONE	D	740	393
2-METHYL-1-PROPANOL	D	780	416
2-METHYL-2-PROPANOL	D	892	478
METHYLAMINE	D	806	430
METHYLCYCLOHEXANE	D	482	250
METHYLCYCLOHEXANOL	D	565	296

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Ignition Temperatures and Group Classifications for Flammable Gases and Vapors (continued)

MATERIAL	GROUP	AUTOIGNITION TEMPERATURE	
		DEGREES F	DEGREES C
MONOETHANOLAMINE	D	770	410
MONOISOPROPANOLAMINE	D	705	374
MONOMETHYL ANILINE	C	900	482
MONOMETHYL HYDRAZINE	C	382	194
MORPHOLINE	C	590	310
NAPHTHA (COAL TAR)	D	531	277
NAPHTHA (PETROLEUM)	D	550	288
NITROBENZENE	D	900	482
NITROETHANE	C	778	414
NITROMETHANE	C	785	418
2-NITROPROPANE	C	802	428
1-NITROPROPANE	C	789	421
NONANE	D	401	205
OCTANE	D	403	206
OCTENE	D	446	230
PENTANE	D	470	243
1-PENTANOL	D	572	300
2-PENTANONE	D	846	452
1-PENTENE	D	527	275
PROPANE	D	842	450
2-PROPANOL	D	750	399
1-PROPANOL	D	775	413
PROPIONALDEHYDE	C	405	207
PROPRIONIC ACID	D	870	466
PROPRIONIC ANHYDRIDE	D	545	285
n-PROPYL ACETATE	D	842	450
n-PROPYL ETHER	C	419	215
PROPYL NITRATE	B	347	175
PROPYLENE	D	851	455
PROPYLENE DICHLORIDE	D	1035	537
PROPYLENE OXIDE	B(C)	840	449
PYRIDINE	D	900	482
STYRENE	D	914	490
TETRAHYDROFURAN	C	610	321
TETRAHYDRONAPTHALENE	D	725	385
TOLUENE	D	896	480
TURPENTINE	D	488	253
UNSYMMETRICAL DIMETHYL HYDRAZINE (UDMH)	C	480	249
VALERALDEHYDE	C	432	222
VINYL ACETATE	D	756	402
VINYL CHLORIDE	D	882	472
VINYL TOLUENE	D	921	494
VINYLIDENE CHLORIDE	D	1058	570
XYLENES	D	867-984	464-529

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Hazlux®

POLYMERIC FIXTURES for
CLASS I, DIVISION 2;
WET and MARINE LOCATIONS*

CONTENTS	PAGE

Check individual product listings for specific suitabilities.

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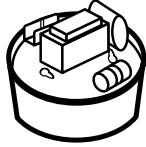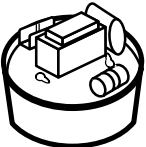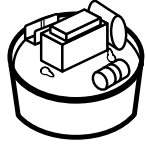# CATALOG NUMBERING SYSTEM

Hazlux® 1

50 - 175 Watts

(UL)
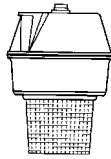
- UL844
- Class I, Division 2, Groups A,B,C,D*
- Enclosed and Gasketed
- UL 1598, Suitable for Wet Locations
- UL 1598 Marine
- NEMA 4X

Catalog Numbering System

P **S** **0** **07** **H** **04** **0** **- R5P -** **S5** **E** **4** **F**
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫

1) Hazlux Fixture Series

P = Polymeric Fixture Suitable for Class I, Division 2 and Marine Locations

2) Lamp Type

S = High Pressure Sodium
H = Metal Halide
M = Mercury Vapor

3) Starter Circuit Options

0 = Standard Fixture
J = Auto-Shutoff

4) Lamp Wattage

05 = 50 Watts
07 = 70 Watts
10 = 100 Watts
15 = 150 Watts
17 = 175 Watts

5) Ballast Circuit

C = Constant Wattage Autotransformer (CWA)
H = High Reactance
P = Reactor
(All Ballasts are High Power Factor.)

6) Voltage

03 = 120/277 Volts
04 = 120/208/240/277 Volts
12 = 120 Volts
27 = 277 Volts
48 = 480 Volts
(Contact factory for other available voltages.)

7) Ballast Housing Style

0 = Standard Housing

8) Optical Assembly

TG = Heat Resistant Globe
TGP = Heat Resistant Glass Globe with Polymeric Guard
SG = Tuffskin® Coated Glass Globe
SGP = Tuffskin® Coated Glass Globe with Polymeric Guard
R1P = Type I Refractor Globe with Polymeric Guard
R3P = Type III Refractor Globe with Polymeric Guard
R5P = Type V Refractor Globe with Polymeric Guard

9) Mounting Style

P2 = 3/4" Pendant
C2 = 3/4" Ceiling (Feed Through)
B2 = 3/4" Wall
S5 = 1 - 1/2" Angle Stanchion
L5 = 1 - 1/2" Straight Stanchion

10) UNIPAK® Options

E = Unipak with Clear Lamp
D = Unipak with Diffuse Coated Lamp
U = Unipak without Lamp

11) Reflector Options

4 = Dome Reflector
5 = Angle Reflector

12) Fusing Options (Not Marine Rated)

F = Single Fuse Block
FF = Double Fuse Block

Tuffskin® is a registered trademark of Thomas Manufacturing Corporation.

* See page D9 for T-Code Ratings
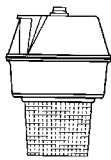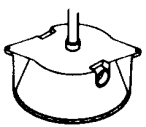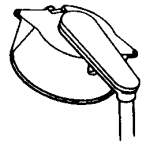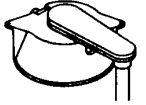
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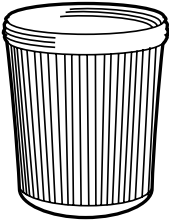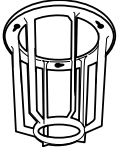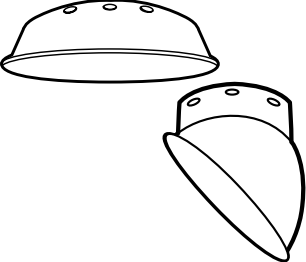| POLYMERIC FIXTURE COMPONENTS | *Hazlux® 1*

50 - 175 Watts | (UL) | • UL 844
• Class I, Division 2, Groups A, B, C, D*
• Enclosed and Gasketed
• UL 1572, Suitable for Wet Locations
• UL 595 Marine*
• NEMA 4X* |

D

Hazlux®

OUTLET BOXES — Designed for all Hazlux 1 Ballast Housings.

MOUNTING STYLE	CATALOG NUMBER	CONDUIT HUB SIZE	WT. EA. (LBS.)	STD. PKG.	MOUNTING STYLE	CATALOG NUMBER	CONDUIT HUB SIZE	WT. EA. (LBS.)	STD. PKG.
Rigid Pendant	**VNP2**	3/4"	2.6	1	Angle Stanchion	**VNS5**	1-1/2"	5	1
Ceiling Mount	**VNC2**	3/4"	3.4	1	Straight Stanchion	**VNL5**	1-1/2"	5	1
Wall Mount	**VNB2**	3/4"	7	1					

BALLAST HOUSING HIGH PRESSURE SODIUM —

High Reactance or Constant Wattage Ballast (Min. P.F. 90%)

	WATTAGE	VOLTAGE	WT. EACH (Lbs.)	CATALOG NUMBER	STD. PKG.	LISTING & NEC REQUIRED MARKING ON FIXTURE		
						Enclosed & Gasketed Suitable for Wet Locations	Class 1 Division 2 40°C Ambient	Marine (UL595) Listed
	50	120/277	15	**PS005H03**	1	✓	✓	✓
	70 70	120/208/240/277 480	15 15	**PS007H04** **PS007H48**	1 1	✓ ✓	✓ ✓	✓ ✓
	100 100	120/208/240/277 480	17 17	**PS010H04** **PS010H48**	1 1	✓ ✓	✓ ✓	✓ ✓
	150† 150†	120/208/240/277 480	18 18	**PS015H04** **PS015H48**	1 1	✓ ✓	✓ ✓	✓ ✓

* *See Page D5 for "Note Regarding Glass Globes and Refractors."*

† *For use with 55V (ANSI S55) lamp only. For use with a 100V (ANSI S56) lamp, substitute the letter "C" for the letters "S" and "H" in the catalog number.*

* See page D9 for T-Code Ratings

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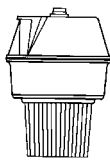| POLYMERIC FIXTURE COMPONENTS | *Hazlux® 1*
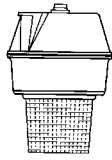
50 - 175 Watts | (UL) | • UL 844
• Class I, Division 2, Groups A, B, C, D*
• Enclosed and Gasketed
• UL 1572, Suitable for Wet Locations
• UL 595 Marine*
• NEMA 4X* |

BALLAST HOUSING METAL HALIDE — Constant Wattage Autotransformer Ballast (Min. P.F. 90%)

	WATTAGE	VOLTAGE	WT. EACH (Lbs.)	CATALOG NUMBER	STD. PKG.	LISTING & NEC REQUIRED MARKING ON FIXTURE		
						Enclosed & Gasketed Suitable for Wet Locations	Class 1 Division 2 40°C Ambient	Marine Listed
	70	120	14	**PH007H12**	1	✓	✓	✓
	70	120/277	14	**PH007H04**	1	✓	✓	✓
	100	120	15.5	**PH010H12**	1	✓	✓	✓
	100	120/277	15.5	**PH010H04**	1	✓	✓	✓
	175	120/208/240/277	17	**PH010C04**	1	✓	✓	✓
	175	480	17	**PH017C48**	1	✓	✓	✓

BALLAST HOUSING MERCURY VAPOR — Constant Wattage Autotransformer Ballast (Min. P.F. 90%)

	WATTAGE	VOLTAGE	WT. EACH (Lbs.)	CATALOG NUMBER	STD. PKG.	LISTING & NEC REQUIRED MARKING ON FIXTURE		
						Enclosed & Gasketed Suitable for Wet Locations	Class 1 Division 2 40°C Ambient	Marine Listed
	100	120/208/240/277	14	**PM010C04**	1	✓	✓	✓
	100	480	14	**PM010C48**	1	✓	✓	✓
	175	120/208/240/277	16	**PM017C04**	1	✓	✓	✓
	175	480	16	**PM017C48**	1	✓	✓	✓

★ *See Page D5 for "Note Regarding Glass Globes and Refractors."*

* See page D9 for T-Code Ratings

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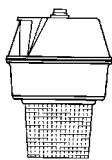
POLYMERIC FIX- TURE COMPONENTS	*Hazlux® 1* **50 - 175 Watts**	(UL)	• UL 844 • Class I, Division 2, Groups A,B,C,D* • Enclosed and Gasketed • UL 1572, Suitable for Wet Locations • UL 595 Marine* • NEMA 4X*

GLOBES

CATALOG NUMBER	DESCRIPTION	WT. EA. (LBS.)
VGT31S	Heat Resistant Glass (7¾" dia.) 250 Watt Max.	9
VGT31STS	Heat Resistant Glass (7¾" dia.) Coated with Tuff-Skin®, 250 Watt Max.	9.2
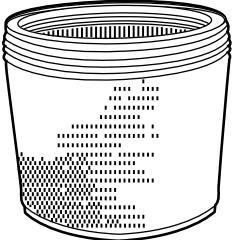
GUARDS

CATALOG NUMBER	DESCRIPTION	WT. EA. (LBS.)
VGU31RP	For use with Threaded Glass Globes and Refractors (7¾" dia.) Polymeric	2

REFLECTORS

CATALOG NUMBER	DESCRIPTION	WT. EA. (LBS.)
VR31P	Standard Dome Fiberglass Reinforced Polyester For use with 7¾" dia. Globes	3
VRA31P	30° Angle Reflector Fiberglass Reinforced Polyester For use with 7¾" dia. Globes	3

REFRACTORS

CATALOG NUMBER	DESCRIPTION	WT. EA. (LBS.)
VGL31R1	IES Type I Light Distribution (Long and Narrow) Threaded Glass Globe Refractor 7¾" dia.	8
VGL31R3	IES Type III Light Distribution (Asymmetric) Threaded Glass Globe Refractor 7¾" dia.	8
VGL31R5	IES Type V Light Distribution (Symmetric) Threaded Glass Globe Refractor 7¾" dia.	8

**See Page D5 for "Note Regarding Glass Globes and Refractors."*

* See page D9 for T-Code Ratings

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POLYMERIC FIX-TURE COMPONENTS

Hazlux® 1

50 - 175 Watts

- UL 844
- Class I, Division 2, Groups A,B,C,D*
- Enclosed and Gasketed
- UL 1572, Suitable for Wet Locations
- UL 595 Marine*
- NEMA 4X*

D

Hazlux®

NOTES:

* See page D9 for T-Code Ratings

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POLYMERIC HIGH PRESSURE SODIUM
WITH GLOBE AND GUARD

Hazlux® 1

50 - 150 Watts

UL

- UL 844
- Class I, Division 2, Groups A, B, C, D*
- Enclosed and Gasketed
- UL 1572, Suitable for Wet Locations
- UL 595 Marine*
- NEMA 4X*

D

Hazlux®

MOUNTING STYLE	LAMP ♦ WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER 120/208/240/277V †	WT. EACH (Lbs.)	CONSISTS OF:			
					Ballast † Housing	Outlet Box	Globe	Guard
Rigid Pendant								
	70	3/4	**PS007H040-TGP-P2**	22	PS007H04	VNP2	VGT31S	VGU31RP
	100	3/4	**PS010H040-TGP-P2**	24	PS010H04	VNP2	VGT31S	VGU31RP
	150 ¥	3/4	**PS015H040-TGP-P2**	25	PS015H04	VNP2	VGT31S	VGU31RP
Ceiling Mount								
	70	3/4	**PS007H040-TGP-C2**	23	PS007H04	VNC2	VGT31S	VGU31RP
	100	3/4	**PS010H040-TGP-C2**	25	PS010H04	VNC2	VGT31S	VGU31RP
	150 ¥	3/4	**PS015H040-TGP-C2**	26	PS015H04	VNC2	VGT31S	VGU31RP
Wall Mount								
	70	3/4	**PS007H040-TGP-B2**	26	PS007H04	VNB2	VGT31S	VGU31RP
	100	3/4	**PS010H040-TGP-B2**	28	PS010H04	VNB2	VGT31S	VGU31RP
	150 ¥	3/4	**PS015H040-TGP-B2**	29	PS015H04	VNB2	VGT31S	VGU31RP
Angle Stanchion								
	70	1-1/2	**PS007H040-TGP-S5**	24	PS007H04	VNS5	VGT31S	VGU31RP
	100	1-1/2	**PS010H040-TGP-S5**	26	PS010H04	VNS5	VGT31S	VGU31RP
	150 ¥	1-1/2	**PS015H040-TGP-S5**	27	PS015H04	VNS5	VGT31S	VGU31RP
Straight Stanchion								
	70	1-1/2	**PS007H040-TGP-L5**	24	PS007H04	VNL5	VGT31S	VGU31RP
	100	1-1/2	**PS010H040-TGP-L5**	26	PS010H04	VNL5	VGT31S	VGU31RP
	150 ¥	1-1/2	**PS015H040-TGP-L5**	27	PS015H04	VNL5	VGT31S	VGU31RP
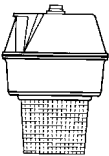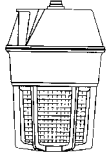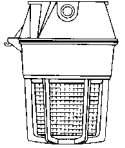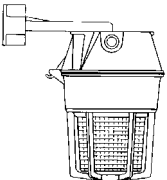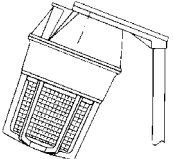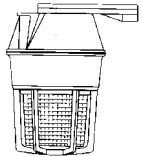
Standard Dome Reflector:
Catalog No. VR31P

Angle Reflector:
Catalog No. VRA31P

GUARD: If a guard is not required, delete "P" from the Catalog Number.

* See page D9 for T-Code Ratings

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POLYMERIC HIGH PRESSURE SODIUM

WITH REFRACTOR AND GUARD

Hazlux® 1

50 - 150 Watts

- UL 844
- Class I, Division 2, Groups A, B, C, D*
- Enclosed and Gasketed
- UL 1572, Suitable for Wet Locations
- UL 595 Marine*
- NEMA 4X*

MOUNTING STYLE	LAMP♦ WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER 120/208/240/277V †	WT. EACH (Lbs.)	Ballast † Housing	Outlet Box	Refractor •	Guard
Rigid Pendant	70	3/4	PS007H040-R5P-P2	22	PS007H04	VNP2	VGL31R5	VGU31RP
	100	3/4	PS010H040-R5P-P2	24	PS010H04	VNP2	VGL31R5	VGU31RP
	150 ¥	3/4	PS015H040-R5P-P2	25	PS015H04	VNP2	VGL31R5	VGU31RP
Ceiling Mount	70	3/4	PS007H040-R5P-C2	23	PS007H04	VNC2	VGL31R5	VGU31RP
	100	3/4	PS010H040-R5P-C2	25	PS010H04	VNC2	VGL31R5	VGU31RP
	150 ¥	3/4	PS015H040-R5P-C2	26	PS015H04	VNC2	VGL31R5	VGU31RP
Wall Mount	70	3/4	PS007H040-R5P-B2	26	PS007H04	VNB2	VGL31R5	VGU31RP
	100	3/4	PS010H040-R5P-B2	28	PS010H04	VNB2	VGL31R5	VGU31RP
	150 ¥	3/4	PS015H040-R5P-B2	29	PS015H04	VNB2	VGL31R5	VGU31RP
Angle Stanchion	70	1-1/2	PS007H040-R5P-S5	24	PS007H04	VNS5	VGL31R5	VGU31RP
	100	1-1/2	PS010H040-R5P-S5	26	PS010H04	VNS5	VGL31R5	VGU31RP
	150 ¥	1-1/2	PS015H040-R5P-S5	27	PS015H04	VNS5	VGL31R5	VGU31RP
Straight Stanchion	70	1-1/2	PS007H040-R5P-L5	24	PS007H04	VNL5	VGL31R5	VGU31RP
	100	1-1/2	PS010H040-R5P-L5	26	PS010H04	VNL5	VGL31R5	VGU31RP
	150 ¥	1-1/2	PS015H040-R5P-L5	27	PS015H04	VNL5	VGL31R5	VGU31RP
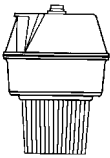
Standard Dome Reflector: Catalog No. VR31P **Angle Reflector: Catalog No. VRA31P** **GUARD:** If a guard is not required, delete "P" from the Catalog Number.

♦ All fixtures are designed for mogul base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).
† Catalog Number with Multi-tap Ballast. For other ballast voltages refer to Catalog Format Page.
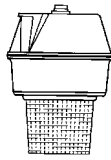¥ For use with 55V (ANSI S55) lamps only. If a fixture or housing is required for use with a 100V (ANSI S56) lamp, substitute the letter "C" for the letters "S" and "H" in the Catalog Number.
* See Page D5 for "Note Regarding Glass Globes and Refractors."
• Refractors are closed-bottom prismatic glass Type V. Other types of refractors are available. See page A4.
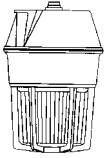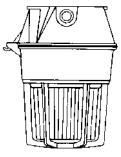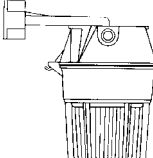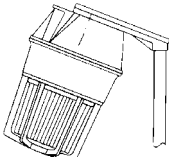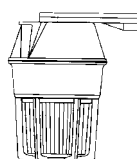
* See page D9 for T-Code Ratings

Thomas&Betts

POLYMERIC METAL HALIDE
WITH GLOBE AND GUARD

Hazlux® 1

70 - 175 Watts

- UL 844
- Class I, Division 2, Groups A, B, C, D*
- Enclosed and Gasketed
- UL 1572, Suitable for Wet Locations
- UL 595 Marine*
- NEMA 4X*

D

Hazlux®

MOUNTING STYLE	LAMP ♦ WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER 120/208/240/277V †	WT. EACH (Lbs.)	CONSISTS OF:			
					Ballast † Housing	Outlet Box	Globe	Guard
Rigid Pendant								
	70	3/4	**PH007H040-TGP-P2**	22	PH007H04	VNP2	VGT31S	VGU31RP
	100	3/4	**PH010H040-TGP-P2**	24	PH010H04	VNP2	VGT31S	VGU31RP
	175	3/4	**PH017C040-TGP-P2**	25	PH017C04	VNP2	VGT31S	VGU31RP
Ceiling Mount								
	70	3/4	**PH007H040-TGP-C2**	23	PH007H04	VNC2	VGT31S	VGU31RP
	100	3/4	**PH010H040-TGP-C2**	25	PH010H04	VNC2	VGT31S	VGU31RP
	175	3/4	**PH017C040-TGP-C2**	26	PH017C04	VNC2	VGT31S	VGU31RP
Wall Mount								
	70	3/4	**PH007H040-TGP-B2**	26	PH007H04	VNB2	VGT31S	VGU31RP
	100	3/4	**PH010H040-TGP-B2**	28	PH010H04	VNB2	VGT31S	VGU31RP
	175	3/4	**PH017C040-TGP-B2**	29	PH017C04	VNB2	VGT31S	VGU31RP
Angle Stanchion								
	70	1-1/2	**PH007H040-TGP-S5**	24	PH007H04	VNS5	VGT31S	VGU31RP
	100	1-1/2	**PH010H040-TGP-S5**	26	PH010H04	VNS5	VGT31S	VGU31RP
	175	1-1/2	**PH017C040-TGP-S5**	27	PH017C04	VNS5	VGT31S	VGU31RP
Straight Stanchion								
	70	1-1/2	**PH007H040-TGP-L5**	24	PH007H04	VNL5	VGT31S	VGU31RP
	100	1-1/2	**PH010H040-TGP-L5**	26	PH010H04	VNL5	VGT31S	VGU31RP
	175	1-1/2	**PH017C040-TGP-L5**	27	PH017C04	VNL5	VGT31S	VGU31RP

Standard Dome Reflector: Catalog No. VR31P

Angle Reflector: Catalog No. VRA31P

GUARD: If a guard is not required, delete "P" from the Catalog Number.

♦ *All fixtures are designed for mogul base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).*
† *Catalog Number with Multi-tap Ballast. For other ballast voltages refer to Catalog Format Page.*
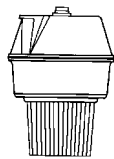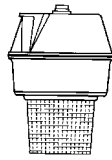★ *See Page D5 for "Note Regarding Glass Globes and Refractors."*

* See page D9 for T-Code Ratings

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POLYMERIC METAL HALIDE
WITH REFRACTOR AND GUARD

Hazlux® 1

70 - 175 Watts

• UL 844
• Class I, Division 2, Groups A, B, C, D*
• Enclosed and Gasketed
• UL 1572, Suitable for Wet Locations
• UL 595 Marine*
• NEMA 4X*

D

Hazlux®

MOUNTING STYLE	LAMP ◆ WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER 120/208/240/277V †	WT. EACH (Lbs.)	CONSISTS OF:			
					Ballast † Housing	Outlet Box	Refractor •	Guard
Rigid Pendant	70	3/4	**PH007H040-R5P-P2**	22	PH007H04	VNP2	VGL31R5	VGU31RP
	100	3/4	**PH010H040-R5P-P2**	24	PH010H04	VNP2	VGL31R5	VGU31RP
	175	3/4	**PH017C040-R5P-P2**	25	PH017C04	VNP2	VGL31R5	VGU31RP
Ceiling Mount	70	3/4	**PH007H040-R5P-C2**	23	PH007H04	VNC2	VGL31R5	VGU31RP
	100	3/4	**PH010H040-R5P-C2**	25	PH010H04	VNC2	VGL31R5	VGU31RP
	175	3/4	**PH017C040-R5P-C2**	26	PH017C04	VNC2	VGL31R5	VGU31RP
Wall Mount	70	3/4	**PH007H040-R5P-B2**	26	PH007H04	VNB2	VGL31R5	VGU31RP
	100	3/4	**PH010H040-R5P-B2**	28	PH010H04	VNB2	VGL31R5	VGU31RP
	175	3/4	**PH017C040-R5P-B2**	29	PH017C04	VNB2	VGL31R5	VGU31RP
Angle Stanchion	70	1-1/2	**PH007H040-R5P-S5**	24	PH007H04	VNS5	VGL31R5	VGU31RP
	100	1-1/2	**PH010H040-R5P-S5**	26	PH010H04	VNS5	VGL31R5	VGU31RP
	175	1-1/2	**PH017C040-R5P-S5**	27	PH017C04	VNS5	VGL31R5	VGU31RP
Straight Stanchion	70	1-1/2	**PH007H040-R5P-L5**	24	PH007H04	VNL5	VGL31R5	VGU31RP
	100	1-1/2	**PH010H040-R5P-L5**	26	PH010H04	VNL5	VGL31R5	VGU31RP
	175	1-1/2	**PH017C040-R5P-L5**	27	PH017C04	VNL5	VGL31R5	VGU31RP

Standard Dome Reflector: Catalog No. VR31P

Angle Reflector: Catalog No. VRA31P

GUARD: If a guard is not required, delete "P" from the Catalog Number.

◆ *All fixtures are designed for mogul base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).*
† *Catalog Number with Multi-tap Ballast. For other ballast voltages refer to Catalog Format Page.*
* *See Page D5 for "Note Regarding Glass Globes and Refractors."*
• *Refractors are closed-bottom prismatic glass Type V. Other types of refractors are available. See page D22.*

* *See page D9 for T-Code Ratings*

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POLYMERIC MER-CURY VAPOR
WITH GLOBE AND GUARD

Hazlux® 1

100 - 175 Watts

- UL 844
- Class I, Division 2, Groups A, B, C, D*
- Enclosed and Gasketed
- UL 1572, Suitable for Wet Locations
- UL 595 Marine*
- NEMA 4X*

D

Hazlux®

MOUNTING STYLE	LAMP ♦ WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER 120/208/240/277V †	WT. EACH (Lbs.)	CONSISTS OF:			
					Ballast † Housing	Outlet Box	Globe	Guard
Rigid Pendant								
	100	3/4	**PM010C040-TGP-P2**	24	PM010C04	VNP2	VGT31S	VGU31RP
	175	3/4	**PM017C040-TGP-P2**	25	PM017C04	VNP2	VGT31S	VGU31RP
Ceiling Mount								
	100	3/4	**PM010C040-TGP-C2**	25	PM010C04	VNC2	VGT31S	VGU31RP
	175	3/4	**PM017C040-TGP-C2**	26	PM017C04	VNC2	VGT31S	VGU31RP
Wall Mount								
	100	3/4	**PM010C040-TGP-B2**	28	PM010C04	VNB2	VGT31S	VGU31RP
	175	3/4	**PM017C040-TGP-B2**	29	PM017C04	VNB2	VGT31S	VGU31RP
Angle Stanchion								
	100	1-1/2	**PM010C040-TGP-S5**	26	PM010C04	VNS5	VGT31S	VGU31RP
	175	1-1/2	**PM017C040-TGP-S5**	27	PM017C04	VNS5	VGT31S	VGU31RP
Straight Stanchion								
	100	1-1/2	**PM010C040-TGP-L5**	26	PM010C04	VNL5	VGT31S	VGU31RP
	175	1-1/2	**PM017C040-TGP-L5**	27	PM017C04	VNL5	VGT31S	VGU31RP

Standard Dome Reflector:
Catalog No. VR31P

Angle Reflector:
Catalog No. VRA31P

GUARD: If a guard is not required, delete "P" from the Catalog Number.

◆ *All fixtures are designed for mogul base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).*
† *Catalog Number with Multi-tap Ballast. For other ballast voltages refer to Catalog Format Page.*
✳ *See Page D5 for "Note Regarding Glass Globes and Refractors."*

* See page D9 for T-Code Ratings

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POLYMERIC MERCURY VAPOR
WITH REFRACTOR AND GUARD

Hazlux® 1

100 - 175 Watts

- UL 844
- Class I, Division 2, Groups A, B, C, D*
- Enclosed and Gasketed
- UL 1572, Suitable for Wet Locations
- UL 595 Marine*
- NEMA 4X*

MOUNTING STYLE	LAMP◆ WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER 120/208/240/277V †	WT. EACH (Lbs.)	Ballast † Housing	Outlet Box	Refractor •	Guard
Rigid Pendant	100	3/4	**PM010C040-R5P-P2**	24	PM010C04	VNP2	VGL31R5	VGU31RP
	175	3/4	**PM017C040-R5P-P2**	25	PM017C04	VNP2	VGL31R5	VGU31RP
Ceiling Mount	100	3/4	**PM010C040-R5P-C2**	25	PM010C04	VNC2	VGL31R5	VGU31RP
	175	3/4	**PM017C040-R5P-C2**	26	PM017C04	VNC2	VGL31R5	VGU31RP
Wall Mount	100	3/4	**PM010C040-R5P-B2**	28	PM010C04	VNB2	VGL31R5	VGU31RP
	175	3/4	**PM017C040-R5P-B2**	29	PM017C04	VNB2	VGL31R5	VGU31RP
Angle Stanchion	100	1-1/2	**PM010C040-R5P-S5**	26	PM010C04	VNS5	VGL31R5	VGU31RP
	175	1-1/2	**PM017C040-R5P-S5**	27	PM017C04	VNS5	VGL31R5	VGU31RP
Straight Stanchion	100	1-1/2	**PM010C040-R5P-L5**	26	PM010C04	VNL5	VGL31R5	VGU31RP
	175	1-1/2	**PM017C040-R5P-L5**	27	PM017C04	VNL5	VGL31R5	VGU31RP

Standard Dome Reflector: Catalog No. VR31P **Angle Reflector: Catalog No. VRA31P** **GUARD:** If a guard is not required, delete "P" from the Catalog Number.

◆ All fixtures are designed for mogul base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).
† Catalog Number with Multi-tap Ballast. For other ballast voltages refer to Catalog Format Page.
* See Page D5 for "Note Regarding Glass Globes and Refractors."
• Refractors are closed-bottom prismatic glass Type V. Other types of refractors are available. See page D22.

* See page D9 for T-Code Ratings

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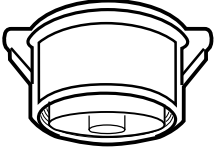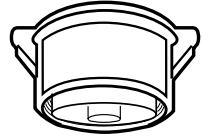| CATALOG NUMBERING SYSTEM HID, FLUORESCENT	*Hazlite™ M1* **9 - 100 Watts**	(UL)	• UL 1598 • Suitable for Wet Locations • UL 844, Class 1, Division 2 Hazardous** Locations • UL 1598 Marine* • NEMA 4X*

HAZLITE M1
Metal Halide or High Pressure Sodium

PD S M 07 P 12 - GGL - C2 F - CSA

①   ②   ③   ④   ⑤   ⑥   ⑦   ⑧ ⑨   ⑩

Fluorescent Only

PD F B 13 P 12 - GGL - C2 - CSA

①   ②   ③   ④   ⑤   ⑥   ⑦   ⑧   ⑩

1) Fixture Suitability

PD = Polymeric Fixture Suitable for Class I, Div. 2, Hazardous Location and Marine Applications.

2) Lamp Type

H = Metal Halide
S = High Pressure Sodium
F = Fluorescent

3) Type Lampholder

M = Medium Base Lampholder
B = Bi Pin Type (Fluorescent)

4) Lamp Wattage

09 = 9 Watts (Fluorescent)
13 = 13 Watts (Fluorescent)
18 = 18 Watts (Fluorescent)
26 = 26 Watts (Fluorescent)
03 = 35 Watts
05 = 50 Watts
07 = 70 Watts
10 = 100 Watts

5) Ballast Circuit

P = Reactor Type
H = High Reactance

6) Supply Voltage

12 = 120 Volts
27 = 277 Volts (Fluorescent)

7) Optics and Guards

G = Glass Globe, Cat. No. VGL15
GGL = Glass Globe with Polymeric Guard
R1 = Glass Refractor (IES Type I) without Guard
R1P = Glass Refractor (IES Type I) with Polymeric Guard
R3 = Glass Refractor (IES Type III) without Guard
R3P = Glass Refractor (IES Type III) with Polymeric Guard
R5 = Glass Refractor (IES Type V) without Guard
R5P = Glass Refractor (IES Type V) with Polymeric Guard
TB = Tempered Globe Only
TGL = Tempered Globe and Polymeric Guard
GCG = Green Glass Globe

8) Outlet Box Mounting Style

P2 = 3/4" Cone Pendant
C2 = 3/4" Ceiling (1 hub)
C22 = 3/4" Ceiling (2 hubs)

9) Special Options - Suffix Letter-Modification

F = Fuse Kit (Not Marine Rated)

10) CSA

*See General Information Page D5 for "Note Regarding Glass Globes and Refractors."

** See page D9 for T-Code Ratings

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POLYMERIC FIXTURE COMPONENTS

Hazlite™ M1

9 - 100 Watts

- UL 1598
- UL 1572, Suitable for Wet Locations
- UL 844, Class 1, Division 2 Hazardous Locations
- UL 1598 Marine
- NEMA 4X*

OUTLET BOXES — Designed for all Hazlite™ M1 Ballasts Housings.

MOUNTING STYLE	CATALOG NO.	CONDUIT HUB SIZE	WT. EA. (Lbs.)	STD. PKG.
Rigid Pendant Cone	• VPA2	3/4"	1.3	5
Ceiling Mount	• VPC2 • VPC22 (FEED THROUGH)	3/4"	1.9	5

LAMP (Fluorescent)

	CATALOG NO.	CONDUIT HUB SIZE	WT. EA. (Lbs.)	STD. PKG.
	VPL9 PL13	— —	1/4 1/4	10 10

GLOBES OR REFRACTORS

	CATALOG NO.	DESCRIPTION	WEIGHT EACH (Lbs.)
	• VGL15	Prismatic Glass 150 Watts Max.	2.8
	• VGT15	Heat-Resistant Prismatic Glass	2.8
	VGL15P	Polycarbonate Plastic Globe	1.0
	• VGL15R1	IES Type I Refractor Globe	3.0
	VGL15R3	IES Type III Refractor Globe	3.0
	• VGL15R5	IES Type V Refractor Globe	3.0
	• VR22CBDL	Low Bay Refractor with Plastic Lens (Not UL Listed)	5.0

GUARDS

	CATALOG NO.	DESCRIPTION	WEIGHT EACH (Lbs.)
	• VGU15P	Polymeric — For Use With Glass Globes or Refractors	.3

REFLECTORS

	CATALOG NO.	DESCRIPTION	WEIGHT EACH (Lbs.)
	• VR15P	Standard Dome Fiber Glass Reinforced Polyester	2.4
	• VRA15P	30° Angle Reflector Fiber Glass Reinforced Polyester	2.3

Refer to NEC 501-9. (b)(2) For Use of Guard in Hazardous Locations.
• *Factory Stock*
* *See General Information Page D5 for "Note Regarding Glass Globes and Refractors."*

Thomas&Betts

POLYMERIC FIXTURE COMPONENTS	*Hazlite*™ *M1* **9 - 100 Watts**	UL	• UL 1598 • Suitable for Wet Locations • UL 844, Class 1, Division 2 Hazardous** Locations • UL 1598 Marine* • NEMA 4X*

EXIT SIGN

	CATALOG NO.	WEIGHT EACH (Lbs.)	STD. PKG.	COLOR
	VRE22	.5	1	Red
	VGE22	.5	1	Green
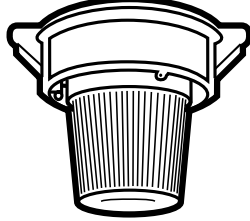
BALLAST HOUSINGS HIGH PRESSURE SODIUM — High Power Factor-Reactor Type Ballast (Min. P.F. 90%)

	WATTAGE	VOLTAGE	WEIGHT EACH (Lbs.)	CATALOG NUMBER	STD. PKG.
	35	120	4.8	**PDSM03P12**	1
	50	120	5.3	**PDSM05P12**	1
	70	120	5.5	**PDSM07P12**	1
	100	120	6.0	• **PDSM10P12**	1

BALLAST HOUSINGS METAL HALIDE — High Power Factor-Reactor Type

	WATTAGE	VOLTAGE	WEIGHT EACH (Lbs.)	CATALOG NUMBER	STD. PKG.
	70	120	6.8	**PDHM07H12**	1
	100	120	7.0	**PDHM10H12**	1

BALLAST HOUSING AND GLOBE FLUORESCENT — Includes Globe and Lamp(s) shipped assembled to tank.

	WATTAGE	VOLTAGE	WEIGHT EACH (Lbs.)	CATALOG NUMBER	STD. PKG.
	9	120	7.6	**PDFB09P120G**	1
	13	120	7.6	**PDFB13P120G**	1
	18	120	10.0	**PDFB18P120G**	1
	26	120	10.0	• **PDFB26P120G**	1

* *For voltages other than 120 volts, refer to Page D19. Consult factory for prices.*
• *Factory Stock*
* *See General Information Page D5 for "Note Regarding Glass Globes and Refractors."*

** See page D9 for T-Code Ratings

Thomas&Betts

POLYMERIC HIGH PRESSURE SODIUM
WITH GLOBE AND GUARD

Hazlite™ M1

35 - 100 Watts

- UL 1598
- Suitable for Wet Locations
- UL 844, Class 1, Division 2 Hazardous** Locations
- UL 1598 Marine*
- NEMA 4X*

D

Hazlux®

MOUNTING STYLE	LAMP ♦ WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER 120 Volt	WT. EACH (Lbs.)	CONSISTS OF:			
					Ballast † Housing	Outlet Box	Globe	Guard
Rigid Pendant Cone	35	3/4	**PDSM03P120-GGL-P2**	9.6	PDSM03P12	VPA2	VGL15	VGU15P
	50	3/4	**PDSM05P120-GGL-P2**	10.1	PDSM05P12	VPA2	VGL15	VGU15P
	70	3/4	**PDSM07P120-TGL-P2**	10.5	PDSM07P12	VPA2	VGT15	VGU15P
	100★	3/4	**PDSM10P120-TGL-P2**	10.8	PDSM10P12	VPA2	VGT15	VGU15P
Ceiling Mount	35	3/4	**PDSM03P120-GGL-C2**	10.2	PDSM03P12	VPC2	VGL15	VGU15P
	50	3/4	**PDSM05P120-GGL-C2**	10.7	PDSM05P12	VPC2	VGL15	VGU15P
	70	3/4	**PDSM07P120-TGL-C2**	10.9	PDSM07P12	VPC2	VGT15	VGU15P
	100★	3/4	**PDSM10P120-TGL-C2**	11.4	PDSM10P12	VPC2	VGT15	VGU15P

Standard Dome Reflector Catalog No. VR15P

Angle Reflector Catalog No. VRA15P

GUARD: If a guard is not required, delete "L" from the Catalog Number.

♦ *All fixtures are designed for medium base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).*
★ *Verify Hazardous Location Certification with your requirements on General Information Page D5.*
* *See General Information Page D5 for "Note Regarding Glass Globes and Refractors."*

** See page D9 for T-Code Ratings

Thomas&Betts

 www.tnb.com

POLYMERIC HIGH PRESSURE SODIUM
WITH REFRACTOR AND GUARD
(TYPE V REFRACTOR)

Hazlite™ M1

35 - 100 Watts

(UL)

- UL 1598
- Suitable for Wet Locations
- UL 844, Class 1, Division 2 Hazardous** Locations
- UL 1598 Marine*
- NEMA 4X*

MOUNTING STYLE	LAMP ♦ WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER 120 Volt	WT. EACH (Lbs.)	CONSISTS OF:			
					Ballast † Housing	Outlet Box	Refractor ■	Guard
Rigid Pendant Cone	35	3/4	**PDSM03P120-R5P-P2**	9.8	PDSM03P12	VPA2	VGL15R5	VGU15P
	50	3/4	**PDSM05P120-R5P-P2**	10.3	PDSM05P12	VPA2	VGL15R5	VGU15P
	70	3/4	**PDSM07P120-R5P-P2**	10.5	PDSM07P12	VPA2	VGL15R5	VGU15P
	100★	3/4	**PDSM10P120-R5P-P2**	11.0	PDSM10P12	VPA2	VGL15R5	VGU15P
Ceiling Mount	35	3/4	**PDSM03P120-R5P-C2**	10.4	PDSM03P12	VPC2	VGL15R5	VGU15P
	50	3/4	**PDSM05P120-R5P-C2**	10.9	PDSM05P12	VPC2	VGL15R5	VGU15P
	70	3/4	**PDSM07P120-R5P-C2**	11.1	PDSM07P12	VPC2	VGL15R5	VGU15P
	100★	3/4	**PDSM10P120-R5P-C2**	11.6	PDSM10P12	VPC2	VGL15R5	VGU15P
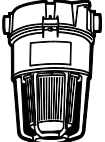
GUARD: If a guard is not required, delete "P" from the Catalog Number.

■ *Catalog Number is for a Type V Refractor. Refer to General Information Page D22 for Type I or III Refractor Catalog Numbers.*
♦ *All fixtures are designed for medium base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).*
★ *Verify Hazardous Location Certification with your requirements on General Information Page D5.*
* *See General Information Page D5 for "Note Regarding Glass Globes and Refractors."*
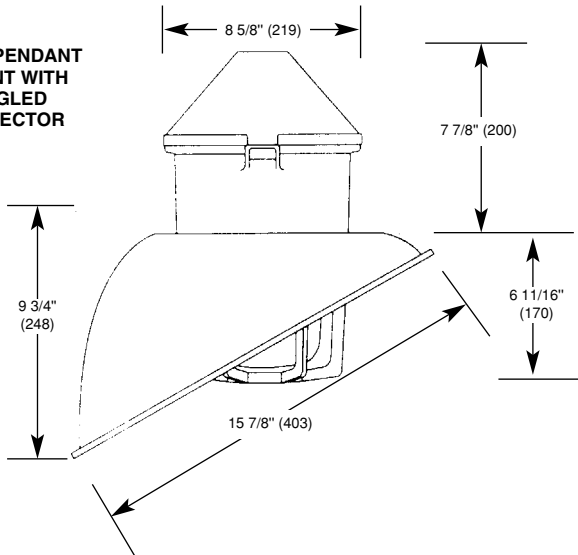
*** See page D9 for T-Code Ratings*

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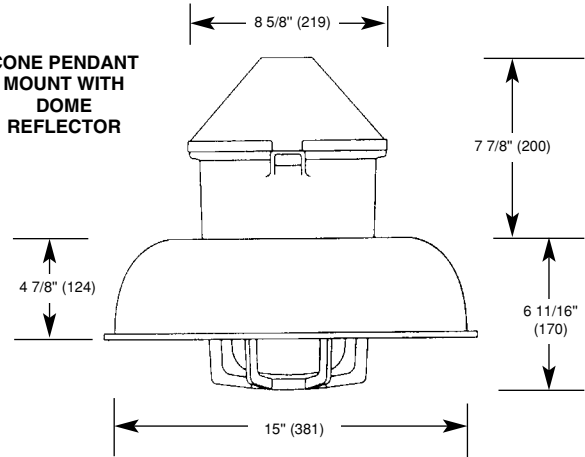**D**

Hazlux®

POLYMERIC METAL HALIDE
WITH GLOBE AND GUARD

Hazlite™ M1

70 - 100 Watts

• UL 1598
• Suitable for Wet Locations
• UL 844, Class 1, Division 2 Hazardous** Locations
• UL 1598 Marine*
• NEMA 4X*

MOUNTING STYLE	LAMP ♦ WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER 120 Volt	WT. EACH (Lbs.)	CONSISTS OF:			
					Ballast Housing	Outlet Box	Globe	Guard
Rigid Pendant Cone	70	3/4	**PDHM07H120-TGL-P2**	11.6	PDHM07H12	VPA2	VGT15	VGU15P
	100	3/4	**PDHM10H120-TGL-P2**	11.8	PDHM10H12	VPA2	VGT15	VGU15P
Ceiling Mount	70	3/4	**PDHM07H120-TGL-C2**	12.2	PDHM07H12	VPC2	VGT15	VGU15P
	100	3/4	**PDHM10H120-TGL-C2**	12.4	PDHM10H12	VPC2	VGT15	VGU15P

♦ All fixtures are designed for medium base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).
★ Verify Hazardous Location Certification with your requirements on General Information Page D5.
* See General Information Page D5 for "Note Regarding Glass Globes and Refractors."

POLYMERIC METAL HALIDE
WITH REFRACTOR AND GUARD (TYPE V REFRACTOR)

Hazlite™ M1

70 - 100 Watts

• UL 1572, Suitable for Wet Locations
• UL 844, Class 1, Division 2 Hazardous Locations
• UL 595 Marine*
• NEMA 4X*

MOUNTING STYLE	LAMP ♦ WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER 120 Volt	WT. EACH (Lbs.)	CONSISTS OF:			
					Ballast Housing	Outlet Box	Refractor ■	Guard
Rigid Pendant Cone	70	3/4	**PDHM07H120-R5P-P2**	11.6	PDHM07H12	VPA2	VGL15R5	VGU15P
	100	3/4	**PDHM10H120-R5P-P2**	11.8	PDHM10H12	VPA2	VGL15R5	VGU15P
Ceiling Mount	70	3/4	**PDHM07H120-R5P-C2**	12.2	PDHM07H12	VPC2	VGL15R5	VGU15P
	100	3/4	**PDHM10H120-R5P-C2**	12.4	PDHM10H12	VPC2	VGL15R5	VGU15P
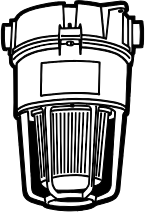
■ Catalog Number is for a Type V Refractor. Refer to General Information Page D19 for Type I or III Refractor Catalog Numbers.
♦ All fixtures are designed for medium base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).
★ Verify Hazardous Location Certification with your requirements on General Information Page D5.
* See General Information Page D5 for "Note Regarding Glass Globes and Refractors."

** See page D9 for T-Code Ratings

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POLYMERIC FLUORESCENT
WITH GLOBE AND GUARD

LAMPS INCLUDED

Hazlite™ M1

9 - 26 Watts

- UL 1598
- Suitable for Wet Locations
- UL 844, Class 1, Division 2 Hazardous** Locations
- UL 1598 Marine*
- NEMA 4X*

D

Hazlux®

FLUORESCENT 9-26 WATTS

MOUNTING STYLE	LAMP WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER 120 Volt	WT. EACH (Lbs.)	CONSISTS OF:		
					Ballast Housing, Globe & Lamp(s)	Outlet Box	Guard
Rigid Pendant Cone	9	3/4	**PDFB09P120-GGL-P2**	9.6	PDFB09P120G	VPA2	VGU15P
	13	3/4	**PDFB13P120-GGL-P2**	9.5	PDFB13P120G	VPA2	VGU15P
	18	3/4	**PDFB18P120-GGL-P2**	10.0	PDFB18P120G	VPA2	VGU15P
	26	3/4	**PDFB26P120-GGL-P2**	9.5	PDFB26P120G	VPA2	VGU15P
Ceiling Mount	9	3/4	**PDFB09P120-GGL-C2**	10.2	PDFB09P120G	VPC2	VGU15P
	13	3/4	**PDFB13P120-GGL-C2**	9.5	PDFB13P120G	VPC2	VGU15P
	18	3/4	**PDFB18P120-GGL-C2**	10.6	PDFB18P120G	VPC2	VGU15P
	26	3/4	**PDFB26P120-GGL-C2**	10.5	PDFB26P120G	VPC2	VGU15P

Standard Dome Reflectors Catalog No. VR15P

Angle Reflectors Catalog No. VRA15P

GUARD: If a guard is not required, delete "GL" from the Catalog Number.

◆ *Fluorescent fixtures use PL type lamps (one or two lamps included).*
★ *See General Information Page D5 for "Note Regarding Glass Globes and Refractors."*

*** See page D9 for T-Code Ratings*

Hazlite™ M1
Dimensional Drawings

D

Hazlux®

CONE PENDANT MOUNT WITH ANGLED REFLECTOR

8 5/8" (219)
7 7/8" (200)
9 3/4" (248)
6 11/16" (170)
15 7/8" (403)

CONE PENDANT MOUNT WITH DOME REFLECTOR

8 5/8" (219)
7 7/8" (200)
4 7/8" (124)
6 11/16" (170)
15" (381)

CONE PENDANT MOUNT

8 5/8" (219)
7 7/8" (200)
6 1/2" (165)

CEILING MOUNT

9 5/8" (244) Dia. B.C.
8 5/8" (219)
6 7/8" (174)
6 1/2" (165)
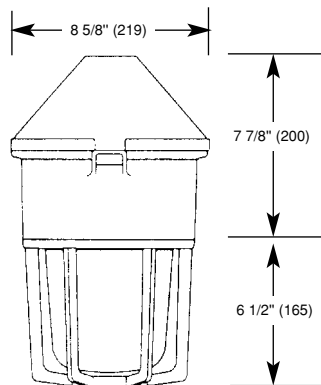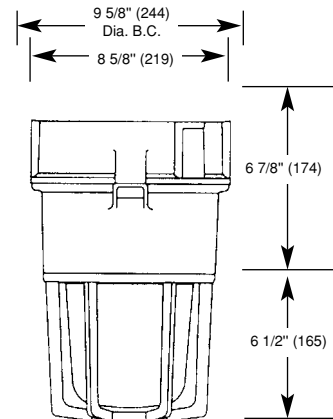
CEILING MOUNT WITH DOME REFLECTOR

9 5/8" (244) Dia. B.C.
8 5/8" (219)
6 7/8" (174)
4 7/8" (124)
6 11/16" (170)
15" (381)
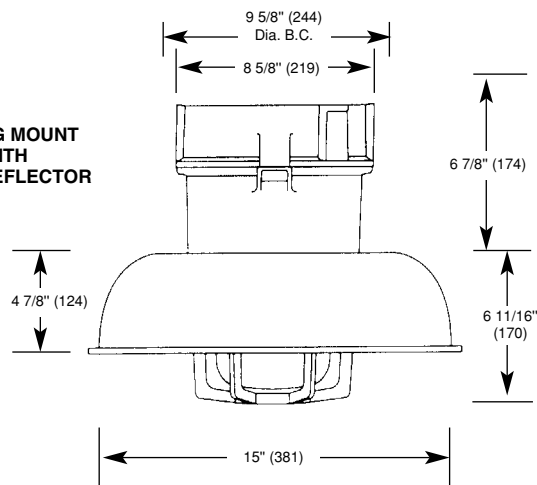
CEILING MOUNT WITH ANGLED REFLECTOR

9 5/8" (244) Dia. B.C.
8 5/8" (219)
6 7/8" (174)
9 3/4" (248)
6 11/16" (170)
15 7/8" (403)

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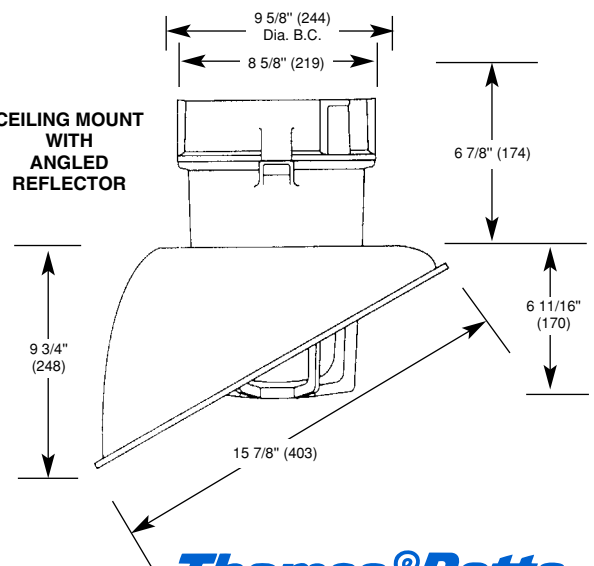
Hazlux®

ENCLOSED and GASKETED FIXTURES for ADVERSE, WET and MARINE LOCATIONS*

D

Hazlux®

CONTENTS   PAGE

*Check individual product listings for specific suitabilities.

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HAZLUX® RAPID SERVICE OPTIONS

Hazlux® 3
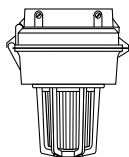
50 - 400 Watts

(UL)

- UL 1598
- Enclosed and Gasketed
- Suitable for Wet Locations
- UL 595 Marine*
- NEMA 4X*

D

Hazlux®

Select any top hat and one light - and you're done!

Hazlux® Rapid Service Program

Why put off to tomorrow what we can ship today?

Thomas & Betts is pleased to announce it's new Rapid Service Program for Hazlux® Lighting Fixtures.

For smaller quantities, we now stock complete, assembled fixtures (less a mounting hat). This includes the lamp, installed! For customers in need of immediate service, Thomas & Betts will be able to ship these fixtures right from our distribution center.

Simply order a fixture and a top hat from those listed on the back. These select Hazlux® fixtures will come pre-wired, with lamp installed, with no added cost to you!

If you need an immediate solution for a smaller project, or you need help getting a larger project "started", contact your Thomas & Betts Representative for more details about our Rapid Service Program for Hazlux® Lighting Fixtures.

Put down the calendar and give us a call. We're ready, so you won't have to wait!

| VP2 | VF2 | VA2 | VC2 | VB2 | VS5 | VL5 |

| DH017C04R-R5P-E | DH017C040-TGL-E | DH025C040-TGL-E | DHP25C040-TGL-E | DS010H040-TGL-E | DS010H040-TGL-E |
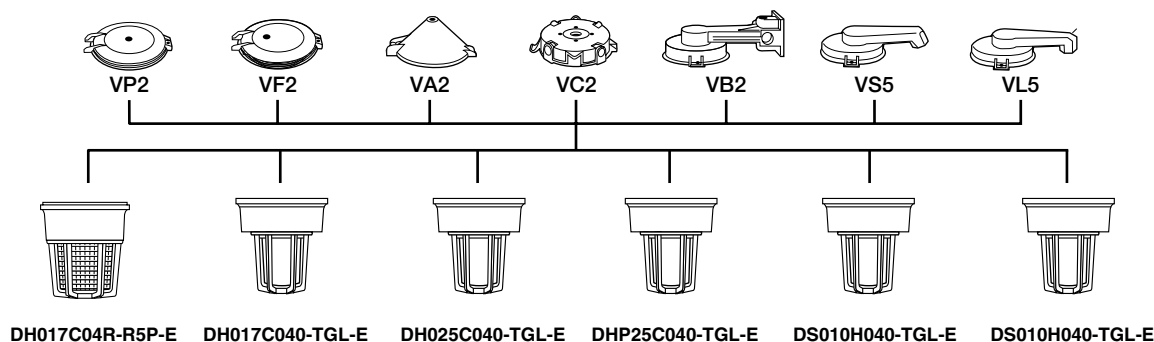
Hazlux® Fixture Ordering Information

Description	Cat. No.
¾" Bracket Mount	**VB2**
1½" 25° Stanchion	**VS5**
1½" Straight Stanchion	**VL5**
¾" Cone Pendant	**VA2**
¾" Ceiling Mount	**VC2**
¾" Pendant Mount	**VP2**
¾" Flex Pendant Mount	**VF2-HZ**

Description	Cat. No.
175 Watt Metal Halide with globe, guard and lamp installed - Type V Refractor	**DH017C04R-R5P-E**
175 Watt Metal Halide with globe, guard and lamp installed	**DH017C040-TGL-E**
250 Watt Metal Halide with globe, guard and lamp installed	**DH025C040-TGL-E**
250 Watt Pulse Start Metal Halide with globe, guard and lamp installed	**DHP25C040-TGL-E**
100 Watt High Pressure Sodium with globe, guard and lamp installed	**DS010H040-TGL-E**
150 Watt High Pressure Sodium with globe, guard and lamp installed	**DS015H040-TGL-E**

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CATALOG NUMBERING SYSTEM
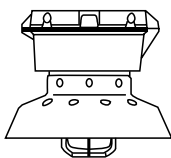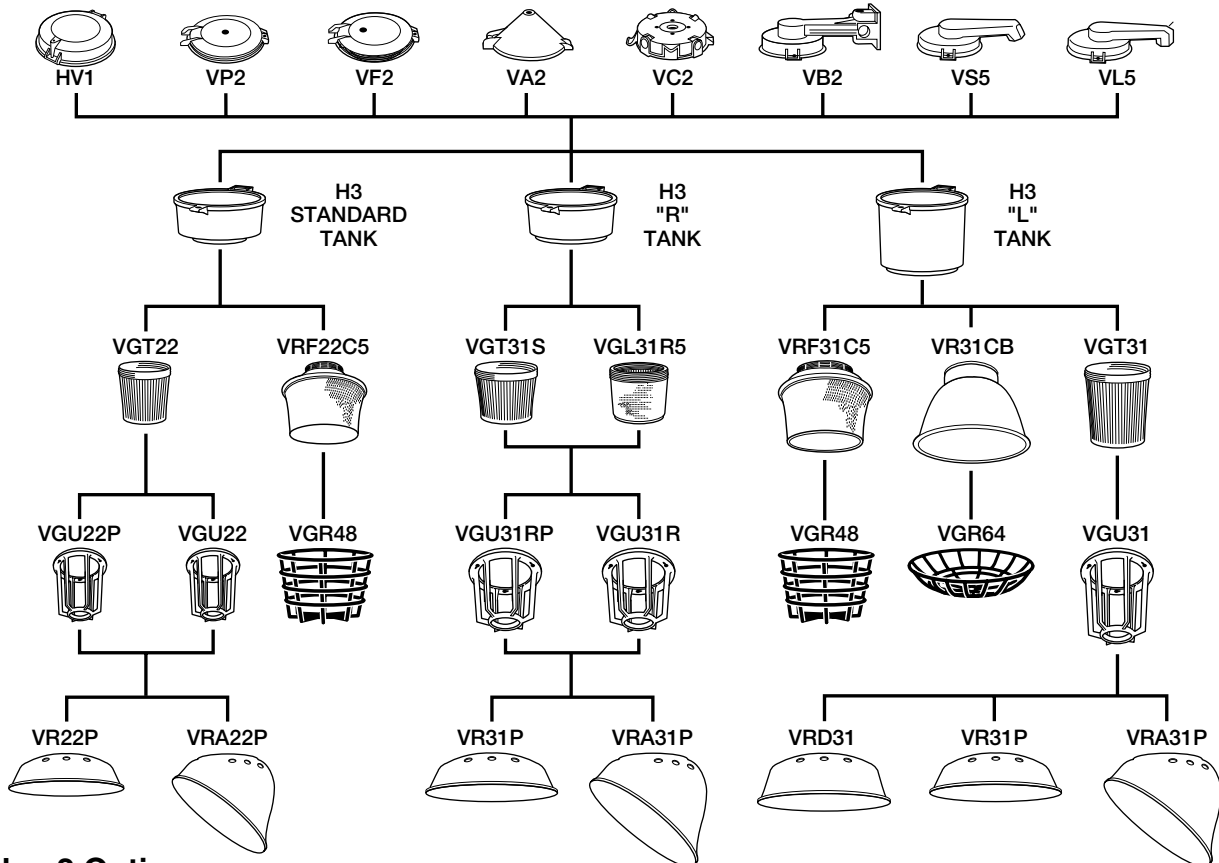
Hazlux® 2

50 - 400 Watts

- UL 1598
- Enclosed and Gasketed
- Suitable for Wet Locations
- UL 595 Marine*
- NEMA 4X*

Catalog Numbering System

V S 0 15 H 04 0 - TGL - P2 E1 F N
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑪ ⑫ ⑬

① Hazlux Fixture Series
V = Hazlux 2 HID Fixture
UL 1598 Marine Locations
Wet Locations
NEMA 4X, IP66

② Lamp Type
S = High Pressure Sodium
H = Metal Halide
M = Mercury Vapor

③ Starter Circuit/Quartz Options
0 = Standard Fixture
Q = Quartz Auxiliary Option
R = Instant Restart
J = Auto Shutoff Starter
P = Pulse Start

④ Lamp Wattage
05 = 50 Watts
07 = 70 Watts
10 = 100 Watts
15 = 150 Watts
17 = 175 Watts
20 = 200 Watts
25 = 250 Watts
32 = 320 Watts
35 = 350 Watts
40 = 400 Watts

⑤ Ballast Circuit
H = High Reactance
C = Constant Wattage Autotransformer
(All ballasts high power factor.)

⑥ Voltage/Frequency
03 = 120/277V, 60Hz
04 = 120/208/240/277V, 60Hz
09 = 120/277/347V, 60Hz (CSA)
12 = 120V, 60Hz
27 = 277V, 60Hz
48 = 480V, 60Hz
225 = 220V, 50Hz
245 = 240V, 50Hz

⑦ Ballast Housing Style
0 = Standard Housing (150W HPS, 250W MH, MV max.)
R = Refractor Globe Housing (150W HPS, 250W MH, MV max.)
L = Large Housing (200-400W HPS; 400W MH, MV)
S = Standard Housing w/Stainless Steel Inserts
I = Refractor Globe Housing w/Stainless Steel Inserts
M = Large Housing w/Stainless Steel Inserts

⑧ Optical Assembly Options
For Std. Housing Fixtures (5-1/2'' Thread)
TG = Thermal Shock Resist. Globe
TGL = TG with Polymeric Guard
SG = Tuffskin® Coated Globe
SGL = SG with Polymeric Guard
R2 = 12" Glass Refractor, Type II
R5 = 12" Glass Refractor, Type V
R2G = R2 with Wire Guard
R5G = R5 with Wire Guard
For Refr. Globe Housing Fixtures (7-3/4'' Thread)
R1 = 7¾" Refractor Globe, Type I
R3 = 7¾" Refractor Globe, Type III
R5 = 7¾" Refractor Globe, Type V
R1P = R1 with Polymeric Guard
R3P = R3 with Polymeric Guard
R5P = R5 with Polymeric Guard
TG = 7¾" Thermal Shock Res. Globe
TGP = TG with Polymeric Guard
For Large Housing Fixtures (7-3/4'' Thread)
TG = Thermal Shock Resist. Globe
TGC = TG with Cast Alum. Guard
SG = Tuffskin® Coated Globe
SGC = SG with Cast Alum. Guard
R2 = 12" Glass Refractor, Type II
R5 = 12" Glass Refractor, Type V
R2G = R2 with Steel Guard
R5G = R5 with Steel Guard
RCB = Enclosed High Bay Reflector
RCG = RCB with Steel Wire Guard

⑨ Mounting Style
A2 = ¾" Cone Top Pendant
A3 = 1" Cone Top Pendant
B2 = ¾" Wall Mount
B3 = 1" Wall Mount
C2 = ¾" Ceiling Mount
C3 = 1" Ceiling Mount
F2 = ¾" Flexible Pendant
F3 = 1" Flexible Pendant
HV1 = HazVertor™ Ring - CI, D2
HV2 = HazVertor™ Ring - CII, D1
L4 = 1¼" Straight Stanchion
L5 = 1½" Straight Stanchion
P2 = ¾" Rigid Pendant
P3 = 1" Rigid Pendant
S4 = 1¼" 25° Angle Stanchion
S5 = 1½" 25° Angle Stanchion

⑩ Special Finish Option
T = HazCote™ Custom Corrosion Coating

⑪ UNIPAK® Packaging Options
E = UNIPAK with Clear Lamp
E1 = UNIPAK, Clear Lamp, Dome Reflector
E2 = UNIPAK, Clear Lamp, Angle Reflector
D = UNIPAK with Dual Arc Lamp
D1 = UNIPAK, Dual Arc Lamp, Dome Reflector
D2 = UNIPAK, Dual Arc Lamp, Angle Reflector
U = UNIPAK, with No Lamp (Not Marine Listed)

⑫ Fusing Options
F = Single Fuse Block with Fuse
FF = Double Fuse Block with Fuse

⑬ NEMA Lamp Wattage Decal
N = NEMA Lamp Wattage Decal on Housing

⑭ CSA Certification
C = CSA Nameplate (consult factory)

See General Information Page D5 for "Note Regarding Glass, Globes & Refractors."

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FIXTURE COMPONENTS	*Hazlux® 2* 50 - 400 Watts	(UL)	• UL 1598 • Enclosed and Gasketed • Suitable for Wet Locations • UL 595 Marine* • NEMA 4X*
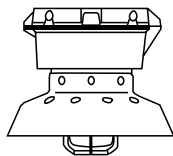
D

Hazlux®

HV1	VP2	VF2	VA2	VC2	VB2	VS5	VL5

H3 STANDARD TANK		H3 "R" TANK		H3 "L" TANK		

VGT22	VRF22C5	VGT31S	VGL31R5	VRF31C5	VR31CB	VGT31

VGU22P	VGU22	VGR48	VGU31RP	VGU31R	VGR48	VGR64	VGU31

VR22P	VRA22P	VR31P	VRA31P	VRD31	VR31P	VRA31P

Hazlux 2 Options

The options listed below plus many more are available with Hazlux 2 fixtures. Refer to the "Catalog Numbering System" section and "Ordering Information" pages of this catalog for ordering details.

- **Instant Restart (50-150W HPS)**
  Allows high pressure sodium lamp to be immediately restarted after a momentary power outage.

- **Auxiliary Quartz Circuit - All**
  Fixture provided with 120 volt 100 watt quartz lamp circuit. Quartz lamp will operate during HID warm-up period, or when HID lamp cools down before restarting.

- **NEMA Lamp Wattage Decal - All**
  Adhesive backed lamp wattage decal is provided on ballast housing exterior to clearly indicate wattage for relamping and maintenance.

- **Auto Shutoff Option (50-150W HPS)**
  Auto shutoff device prevents starter failure by disabling the starter circuit in case of cycling or defective HPS lamp.
  (Not for use with instant restart option.)

- **50 Hertz Ballasts (Most Hazlux 2 Fixtures)**
  50 hertz ballasts in a variety of voltages can be furnished for international voltage systems.

- **Tuffskin® Coated Glass Globes (All Globes)**
  Tuffskin silicone coating contains glass particles in case of breakage; prevents glass from contaminating process areas.

- **HazCote™ Custom Corrosion Resistant Coating (All)**
  Custom chemical coating provides even higher degree of corrosion protection for cast aluminum parts. For use in highly corrosive environments.

- **Dual Arc Tube Lamps (HPS)**
  Provide standby/immediate restart capabilities.

- **Stainless Steel Inserts (All)**
  Stainless steel inserts for guard screws and ballast housing closure screw eliminate possiblility of galvanic corrosion between stainless steel screws and aluminum parts.

- **UNIPAK® Packaging (All)**
  UNIPAK packaging means that fixtures are completely assembled — with lamp — and foamed in one carton. Saves labor, handling, storage, and reduces total installed cost per fixture. See UNIPAK section of this brochure.

- **HazVertor® Adapter Ring**
  UL Listed adapter ring enables quick, easy, UL listed retrofit of Crouse-Hinds® VMV, LMV, and DMV series Champ® fixtures. See HazVertor section of this brochure.

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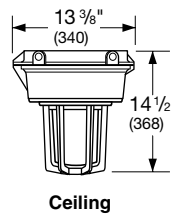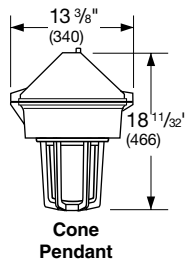
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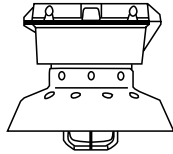| UNIPAK, HazVertor™, Other Options	*Hazlux® 2* **50 - 400 Watts**	(UL)	• UL 1598 • Enclosed and Gasketed • Suitable for Wet Locations • UL 595 Marine* • NEMA 4X*

UNIPAK® Packaging

Hazlux 2 fixtures ordered with the UNIPAK® packaging option will be completely assembled with lamp (and with mounting cover and/or reflector, if specified) and shipped in one carton. Each fixture assembly is foamed in place in the carton to insure zero transit damage. Receiving, handling, storing, identification, assembly, and component matching are all made easier by this common sense approach to manufacturing and shipping.

Use the Catalog Numbering codes (Position #11) to add UNIPAK® with lamp packaging to any make-to-order Hazlux 2 assembly, or refer to the table below to order the most commonly used Hazlux 2 UNIPAK® assemblies.

Benefits of UNIPAK® Packaging:

✓ Fewer cartons to receive.
✓ Fewer cartons to store.
✓ Reduced jobsite material handling costs
✓ Lower installation labor costs.
✓ No chance of Lamp/Ballast mismatch in field.
✓ No waiting around for fixtures.

Hazlux 2 UNIPAK® with Lamp Fixture Assemblies
(Order Mounting Covers, Reflectors Separately)

Hazlux 2 UNIPAK, Description	Catalog No.
70W HPS with Globe, Guard, Lamp	**VS007H040-TGL-E**
100W HPS with Globe, Guard, Lamp	**VS010H040-TGL-E**
150W HPS with Globe, Guard, Lamp	**VS015H040-TGL-E**
175W MH with Globe, Guard, Lamp	**VH017C040-TGL-E**
150W HPS with Type V Refractor Globe, Guard, Lamp	**VS015H04R-R5P-E**

HazVertor™ Adapter Ring

The HazVertor Ring is a UL listed adapter ring which gives you the freedom to replace Crouse-Hinds® VMV, LMV, and DMV series Champ® lighting fixtures with Hazlux 2 fixtures — *without removing the Crouse-Hinds mounting top hat from the conduit system.*

Just Look at the Advantages:

• Increase energy efficiency and lumen output by upgrading from mercury vapor to metal halide or high pressure sodium.
• Utilize Hazlux threaded glass refractors for improved light distribution.
• Improved photometric performance in many cases.

Easy to Order. Easy to Install. UL Listed. For Use with ANY Hazlux® 2 Fixture.

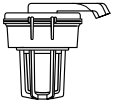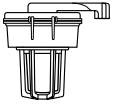Crouse-Hinds® and Champ® are registered trademarks of Cooper Industries, Inc.

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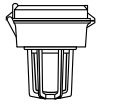
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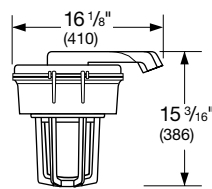
WITH GLOBE AND GUARD

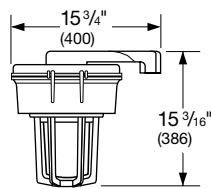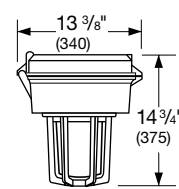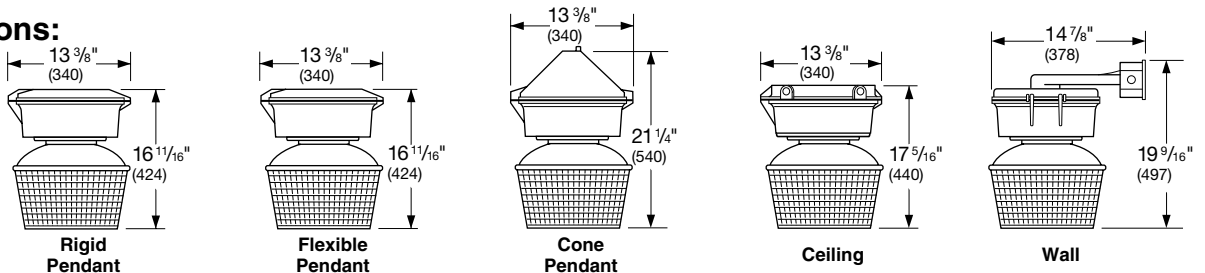### Hazlux® 2

50 - 400 Watts

- UL 1598
- Enclosed and Gasketed
- Suitable for Wet Locations
- UL 595 Marine*
- NEMA 4X*

	Lamp Watts	Hub Size	Rigid Pendant Catalog Number	Flex. Pendant Catalog Number	Cone Pendant Catalog Number	Ceiling Catalog Number	Wall Catalog Number
High Pressure Sodium	50	3/4" 1"	VS005H120-GGL-P2 VS005H120-GGL-P3	VS005H120-GGL-F2 VS005H120-GGL-F3	VS005H120-GGL-A2 VS005H120-GGL-A3	VS005H120-GGL-C2 VS005H120-GGL-C3	VS005H120-GGL-B2 VS005H120-GGL-B3
	70	3/4" 1"	VS007H040-TGL-P2 VS007H040-TGL-P3	VS007H040-TGL-F2 VS007H040-TGL-F3	VS007H040-TGL-A2 VS007H040-TGL-A3	VS007H040-TGL-C2 VS007H040-TGL-C3	VS007H040-TGL-B2 VS007H040-TGL-B3
	100	3/4" 1"	VS010H040-TGL-P2 VS010H040-TGL-P3	VS010H040-TGL-F2 VS010H040-TGL-F3	VS010H040-TGL-A2 VS010H040-TGL-A3	VS010H040-TGL-C2 VS010H040-TGL-C3	VS010H040-TGL-B2 VS010H040-TGL-B3
	150	3/4" 1"	VS015H040-TGL-P2 VS015H040-TGL-P3	VS015H040-TGL-F2 VS015H040-TGL-F3	VS015H040-TGL-A2 VS015H040-TGL-A3	VS015H040-TGL-C2 VS015H040-TGL-C3	VS015H040-TGL-B2 VS015H040-TGL-B3
Metal Halide	70	3/4" 1"	VH007H030-TGL-P2 VH007H030-TGL-P3	VH007H030-TGL-F2 VH007H030-TGL-F3	VH007H030-TGL-A2 VH007H030-TGL-A3	VH007H030-TGL-C2 VH007H030-TGL-C3	VH007H030-TGL-B2 VH007H030-TGL-B3
	100	3/4" 1"	VH010H040-TGL-P2 VH010H040-TGL-P3	VH010H040-TGL-F2 VH010H040-TGL-F3	VH010H040-TGL-A2 VH010H040-TGL-A3	VH010H040-TGL-C2 VH010H040-TGL-C3	VH010H040-TGL-B2 VH010H040-TGL-B3
	175	3/4" 1"	VH017C040-TGL-P2 VH017C040-TGL-P3	VH017C040-TGL-F2 VH017C040-TGL-F3	VH017C040-TGL-A2 VH017C040-TGL-A3	VH017C040-TGL-C2 VH017C040-TGL-C3	VH017C040-TGL-B2 VH017C040-TGL-B3
	250	3/4" 1"	VH025C040-TGL-P2 VH025C040-TGL-P3	VH025C040-TGL-F2 VH025C040-TGL-F3	VH025C040-TGL-A2 VH025C040-TGL-A3	VH025C040-TGL-C2 VH025C040-TGL-C3	VH025C040-TGL-B2 VH025C040-TGL-B3
Mercury Vapor	100	3/4" 1"	VM010H040-TGL-P2 VM010H040-TGL-P3	VM010H040-TGL-F2 VM010H040-TGL-F3	VM010H040-TGL-A2 VM010H040-TGL-A3	VM010H040-TGL-C2 VM010H040-TGL-C3	VM010H040-TGL-B2 VM010H040-TGL-B3
	175	3/4" 1"	VM017C040-TGL-P2 VM017C040-TGL-P3	VM017C040-TGL-F2 VM017C040-TGL-F3	VM017C040-TGL-A2 VM017C040-TGL-A3	VM017C040-TGL-C2 VM017C040-TGL-C3	VM017C040-TGL-B2 VM017C040-TGL-B3
	250	3/4" 1"	VM025C040-TGL-P2 VM025C040-TGL-P3	VM025C040-TGL-F2 VM025C040-TGL-F3	VM025C040-TGL-A2 VM025C040-TGL-A3	VM025C040-TGL-C2 VM025C040-TGL-C3	VM025C040-TGL-B2 VM025C040-TGL-B3

Dimensions:

13 3/8" (340)
13 3/4" (349)
Rigid Pendant

13 3/8" (340)
13 3/4" (349)
Flexible Pendant

13 3/8" (340)
18 11/32" (466)
Cone Pendant

13 3/8" (340)
14 1/2" (368)
Ceiling

14 7/8" (378)
16 3/4" (425)
Wall

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STANDARD BALLAST HOUSING

WITH GLOBE AND GUARD

Hazlux® 2

50 - 400 Watts

- UL 1598
- Enclosed and Gasketed
- Suitable for Wet Locations
- UL 595 Marine*
- NEMA 4X*

Ordering Notes:

1. All fixtures (except 50W HPS and 70W MH) are shown with multi-tap ballast (120, 208, 240, 277V). To order 480V or any other dedicated voltage, substitute desired voltage code from "Catalog Numbering System" on page D41. Example: For 100W HPS, 480V, substitute "H48" for "H04" - VS010H480-TGL-P2.
2. All fixtures are for use with mogul base lamps. Lamps are not included unless "UNIPAK® with Lamp" packaging is specified. See Note D43.
3. To order Hazlux 2 fixtures with "UNIPAK® with Lamp" packaging, add "E" to the end of the catalog number. Example: VH017C040-TGL-S5E. See page D43 for details.
4. Refer to "Note Regarding Glass Globes and Refractors" on page D5 for hose-down information.
5. Fixtures are shown with guard. To order fixture without guard, change "TGL" to "TG." Example: VH017C040-TG-C2.
6. Refer to page D41 for Hazlux 2 Options, and page D56 for Hazlux 2 Accessories and Parts.

	Lamp Watts	Hub Size	25° Stanchion Catalog Number	Straight Stanchion Catalog Number	HazVertor™ Ring Catalog Number
High Pressure Sodium	50	1-1/4" 1-1/2"	VS005H120-GGL-S4 VS005H120-GGL-S5	VS005H120-GGL-L4 VS005H120-GGL-L5	VS005H120-GGL-HV1
	70	1-1/4" 1-1/2"	VS007H040-TGL-S4 VS007H040-TGL-S5	VS007H040-TGL-L4 VS007H040-TGL-L5	VS007H040-TGL-HV1
	100	1-1/4" 1-1/2"	VS010H040-TGL-S4 VS010H040-TGL-S5	VS010H040-TGL-L4 VS010H040-TGL-L5	VS010H040-TGL-HV1
	150	1-1/4" 1-1/2"	VS015H040-TGL-S4 VS015H040-TGL-S5	VS015H040-TGL-L4 VS015H040-TGL-L5	VS015H040-TGL-HV1
Metal Halide	70	1-1/4" 1-1/2"	VH007H030-TGL-S4 VH007H030-TGL-S5	VH007H030-TGL-L4 VH007H030-TGL-L5	VH007H030-TGL-HV1
	100	1-1/4" 1-1/2"	VH010H040-TGL-S4 VH010H040-TGL-S5	VH010H040-TGL-L4 VH010H040-TGL-L5	VH010H040-TGL-HV1
	175	1-1/4" 1-1/2"	VH017C040-TGL-S4 VH017C040-TGL-S5`	VH017C040-TGL-L4 VH017C040-TGL-L5	VH017C040-TGL-HV1
	250	1-1/4" 1-1/2"	VH025C040-TGL-S4 VH025C040-TGL-S5	VH025C040-TGL-L4 VH025C040-TGL-L5	VH025C040-TGL-HV1
Mercury Vapor	100	1-1/4" 1-1/2"	VM010H040-TGL-S4 VM010H040-TGL-S5	VM010H040-TGL-L4 VM010H040-TGL-L5	VM010H040-TGL-HV1
	175	1-1/4" 1-1/2"	VM017C040-TGL-S4 VM017C040-TGL-S5	VM017C040-TGL-L4 VM017C040-TGL-L5	VM017C040-TGL-HV1
	250	1-1/4" 1-1/2"	VM025C040-TGL-S4 VM025C040-TGL-S5	VM025C040-TGL-L4 VM025C040-TGL-L5	VM025C040-TGL-HV1

Dimensions:

25° Stanchion — 16 1/8" (410), 15 3/16" (386)

Straight Stanchion — 15 3/4" (400), 15 3/16" (386)

HazVertor™ Ring — 13 3/8" (340), 14 3/4" (375)

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STANDARD BALLAST HOUSING

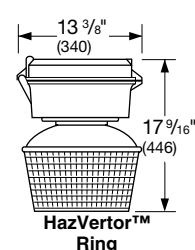**WITH 12" REFRACTOR AND GUARD**

Hazlux® 2

50 - 400 Watts

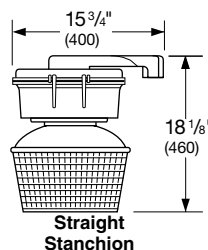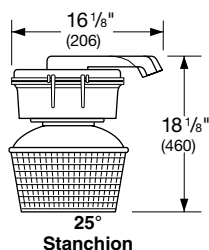- UL 1598
- Enclosed and Gasketed
- Suitable for Wet Locations
- UL 595 Marine*
- NEMA 4X*

Lamp Watts	Hub Size	Rigid Pendant Catalog Number	Flex. Pendant Catalog Number	Cone Pendant Catalog Number	Ceiling Catalog Number	Wall Catalog Number
High Pressure Sodium						
50	3/4"	VS005H120-R5G-P2	VS005H120-R5G-F2	VS005H120-R5G-A2	VS005H120-R5G-C2	VS005H120-R5G-B2
	1"	VS005H120-R5G-P3	VS005H120-R5G-F3	VS005H120-R5G-A3	VS005H120-R5G-C3	VS005H120-R5G-B3
70	3/4"	VS007H040-R5G-P2	VS007H040-R5G-F2	VS007H040-R5G-A2	VS007H040-R5G-C2	VS007H040-R5G-B2
	1"	VS007H040-R5G-P3	VS007H040-R5G-F3	VS007H040-R5G-A3	VS007H040-R5G-C3	VS007H040-R5G-B3
100	3/4"	VS010H040-R5G-P2	VS010H040-R5G-F2	VS010H040-R5G-A2	VS010H040-R5G-C2	VS010H040-R5G-B2
	1"	VS010H040-R5G-P3	VS010H040-R5G-F3	VS010H040-R5G-A3	VS010H040-R5G-C3	VS010H040-R5G-B3
150	3/4"	VS015H040-R5G-P2	VS015H040-R5G-F2	VS015H040-R5G-A2	VS015H040-R5G-C2	VS015H040-R5G-B2
	1"	VS015H040-R5G-P3	VS015H040-R5G-F3	VS015H040-R5G-A3	VS015H040-R5G-C3	VS015H040-R5G-B3
Metal Halide						
70	3/4"	VH007H030-R5G-P2	VH007H030-R5G-F2	VH007H030-R5G-A2	VH007H030-R5G-C2	VH007H030-R5G-B2
	1"	VH007H030-R5G-P3	VH007H030-R5G-F3	VH007H030-R5G-A3	VH007H030-R5G-C3	VH007H030-R5G-B3
100	3/4"	VH010H040-R5G-P2	VH010H040-R5G-F2	VH010H040-R5G-A2	VH010H040-R5G-C2	VH010H040-R5G-B2
	1"	VH010H040-R5G-P3	VH010H040-R5G-F3	VH010H040-R5G-A3	VH010H040-R5G-C3	VH010H040-R5G-B3
175	3/4"	VH017C040-R5G-P2	VH017C040-R5G-F2	VH017C040-R5G-A2	VH017C040-R5G-C2	VH017C040-R5G-B2
	1"	VH017C040-R5G-P3	VH017C040-R5G-F3	VH017C040-R5G-A3	VH017C040-R5G-C3	VH017C040-R5G-B3
250	3/4"	VH025C040-R5G-P2	VH025C040-R5G-F2	VH025C040-R5G-A2	VH025C040-R5G-C2	VH025C040-R5G-B2
	1"	VH025C040-R5G-P3	VH025C040-R5G-F3	VH025C040-R5G-A3	VH025C040-R5G-C3	VH025C040-R5G-B3
Mercury Vapor						
100	3/4"	VM010H040-R5G-P2	VM010H040-R5G-F2	VM010H040-R5G-A2	VM010H040-R5G-C2	VM010H040-R5G-B2
	1"	VM010H040-R5G-P3	VM010H040-R5G-F3	VM010H040-R5G-A3	VM010H040-R5G-C3	VM010H040-R5G-B3
175	3/4"	VM017C040-R5G-P2	VM017C040-R5G-F2	VM017C040-R5G-A2	VM017C040-R5G-C2	VM017C040-R5G-B2
	1"	VM017C040-R5G-P3	VM017C040-R5G-F3	VM017C040-R5G-A3	VM017C040-R5G-C3	VM017C040-R5G-B3
250	3/4"	VM025C040-R5G-P2	VM025C040-R5G-F2	VM025C040-R5G-A2	VM025C040-R5G-C2	VM025C040-R5G-B2
	1"	VM025C040-R5G-P3	VM025C040-R5G-F3	VM025C040-R5G-A3	VM025C040-R5G-C3	VM025C040-R5G-B3

Dimensions:

13 3/8" (340) — 16 11/16" (424)
Rigid Pendant

13 3/8" (340) — 16 11/16" (424)
Flexible Pendant

13 3/8" (340) — 21 1/4" (540)
Cone Pendant

13 3/8" (340) — 17 5/16" (440)
Ceiling

14 7/8" (378) — 19 9/16" (497)
Wall

Thomas&Betts

STANDARD BALLAST HOUSING

WITH 12'' REFRACTOR AND GUARD
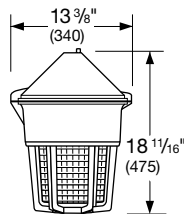
Hazlux® 2

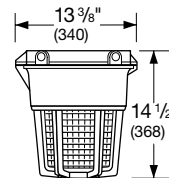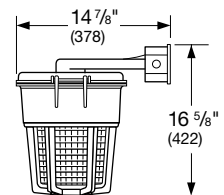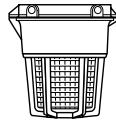**50 - 400 Watts**

(UL)

- UL 1598
- Enclosed and Gasketed
- Suitable for Wet Locations
- UL 595 Marine*
- NEMA 4X*

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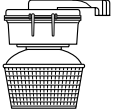
Hazlux®

	Lamp Watts	Hub Size	25° Stanchion Catalog Number	Straight Stanchion Catalog Number	HazVertor™ Ring Catalog Number
High Pressure Sodium	50	1-1/4" 1-1/2"	VS005H120-R5G-S4 VS005H120-R5G-S5	VS005H120-R5G-L4 VS005H120-R5G-L5	VS005H120-R5G-HV1
	70	1-1/4" 1-1/2"	VS007H040-R5G-S4 VS007H040-R5G-S5	VS007H040-R5G-L4 VS007H040-R5G-L5	VS007H040-R5G-HV1
	100	1-1/4" 1-1/2"	VS010H040-R5G-S4 VS010H040-R5G-S5	VS010H040-R5G-L4 VS010H040-R5G-L5	VS010H040-R5G-HV1
	150	1-1/4" 1-1/2"	VS015H040-R5G-S4 VS015H040-R5G-S5	VS015H040-R5G-L4 VS015H040-R5G-L5	VS015H040-R5G-HV1
Metal Halide	70	1-1/4" 1-1/2"	VH007H030-R5G-S4 VH007H030-R5G-S5	VH007H030-R5G-L4 VH007H030-R5G-L5	VH007H030-R5G-HV1
	100	1-1/4" 1-1/2"	VH010H040-R5G-S4 VH010H040-R5G-S5	VH010H040-R5G-L4 VH010H040-R5G-L5	VH010H040-R5G-HV1
	175	1-1/4" 1-1/2"	VH017C040-R5G-S4 VH017C040-R5G-S5`	VH017C040-R5G-L4 VH017C040-R5G-L5	VH017C040-R5G-HV1
	250	1-1/4" 1-1/2"	VH025C040-R5G-S4 VH025C040-R5G-S5	VH025C040-R5G-L4 VH025C040-R5G-L5	VH025C040-R5G-HV1
Mercury Vapor	100	1-1/4" 1-1/2"	VM010H040-R5G-S4 VM010H040-R5G-S5	VM010H040-R5G-L4 VM010H040-R5G-L5	VM010H040-R5G-HV1
	175	1-1/4" 1-1/2"	VM017C040-R5G-S4 VM017C040-R5G-S5	VM017C040-R5G-L4 VM017C040-R5G-L5	VM017C040-R5G-HV1
	250	1-1/4" 1-1/2"	VM025C040-R5G-S4 VM025C040-R5G-S5	VM025C040-R5G-L4 VM025C040-R5G-L5	VM025C040-R5G-HV1

Ordering Notes:

1. All fixtures (except 50W HPS and 70W MH) are shown with multi-tap ballast (120, 208, 240, 277V). To order 480V or any other dedicated voltage, substitute desired voltage code from "Catalog Numbering System" on page D41. Example: For 100W HPS, 480V, substitute "H48" for "H04" - VS010H480-R5G-P2.

2. All fixtures are for use with mogul base lamps. Lamps are not included unless "UNIPAK® with Lamp" packaging is specified. See Note D43.

3. To order Hazlux 2 fixtures with "UNIPAK® with Lamp" packaging, add "E" to the end of the catalog number. Example: VH017C040-R5G-S5E. See page D43 for details.

4. Refer to "Note Regarding Glass Globes and Refractors" on page D5 for hose-down information.

5. Fixtures are shown with IES Type V refractor for symmetrical light distribution. To order with IES Type II refractor, substitute "R2G" for "R5G" in catalog number. Example: VS015H040-R2G-L5.

6. Fixtures are shown with guard. To order fixture without guard, change "R5G" to "R5." Example: VH017C040-R5-C2.

7. Refer to page D41 for Hazlux 2 Options, and page D56 for Hazlux 2 Accessories and Parts.

Dimensions:

16 1/8" (206) — 18 1/8" (460)
25° Stanchion

15 3/4" (400) — 18 1/8" (460)
Straight Stanchion

13 3/8" (340) — 17 9/16" (446)
HazVertor™ Ring

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R-TANK BALLAST HOUSING

WITH 7-3/4" REFRACTOR AND GUARD
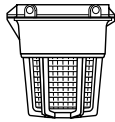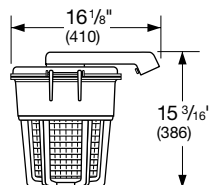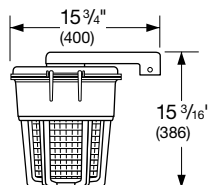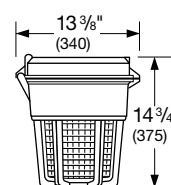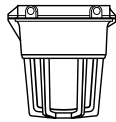
Hazlux® 2

50 - 250 Watts

- UL 1598
- Enclosed and Gasketed
- Suitable for Wet Locations
- UL 595 Marine*
- NEMA 4X*

	Lamp Watts	Hub Size	Rigid Pendant Catalog Number	Flex. Pendant Catalog Number	Cone Pendant Catalog Number	Ceiling Catalog Number	Wall Catalog Number
High Pressure Sodium	50	3/4"	VS005H12R-R5P-P2	VS005H12R-R5P-F2	VS005H12R-R5P-A2	VS005H12R-R5P-C2	VS005H12R-R5P-B2
		1"	VS005H12R-R5P-P3	VS005H12R-R5P-F3	VS005H12R-R5P-A3	VS005H12R-R5P-C3	VS005H12R-R5P-B3
	70	3/4"	VS007H04R-R5P-P2	VS007H04R-R5P-F2	VS007H04R-R5P-A2	VS007H04R-R5P-C2	VS007H04R-R5P-B2
		1"	VS007H04R-R5P-P3	VS007H04R-R5P-F3	VS007H04R-R5P-A3	VS007H04R-R5P-C3	VS007H04R-R5P-B3
	100	3/4"	VS010H04R-R5P-P2	VS010H04R-R5P-F2	VS010H04R-R5P-A2	VS010H04R-R5P-C2	VS010H04R-R5P-B2
		1"	VS010H04R-R5P-P3	VS010H04R-R5P-F3	VS010H04R-R5P-A3	VS010H04R-R5P-C3	VS010H04R-R5P-B3
	150	3/4"	VS015H04R-R5P-P2	VS015H04R-R5P-F2	VS015H04R-R5P-A2	VS015H04R-R5P-C2	VS015H04R-R5P-B2
		1"	VS015H04R-R5P-P3	VS015H04R-R5P-F3	VS015H04R-R5P-A3	VS015H04R-R5P-C3	VS015H04R-R5P-B3
Metal Halide	70	3/4"	VH007H03R-R5P-P2	VH007H03R-R5P-F2	VH007H03R-R5P-A2	VH007H03R-R5P-C2	VH007H03R-R5P-B2
		1"	VH007H03R-R5P-P3	VH007H03R-R5P-F3	VH007H03R-R5P-A3	VH007H03R-R5P-C3	VH007H03R-R5P-B3
	100	3/4"	VH010H04R-R5P-P2	VH010H04R-R5P-F2	VH010H04R-R5P-A2	VH010H04R-R5P-C2	VH010H04R-R5P-B2
		1"	VH010H04R-R5P-P3	VH010H04R-R5P-F3	VH010H04R-R5P-A3	VH010H04R-R5P-C3	VH010H04R-R5P-B3
	175	3/4"	VH017C04R-R5P-P2	VH017C04R-R5P-F2	VH017C04R-R5P-A2	VH017C04R-R5P-C2	VH017C04R-R5P-B2
		1"	VH017C04R-R5P-P3	VH017C04R-R5P-F3	VH017C04R-R5P-A3	VH017C04R-R5P-C3	VH017C04R-R5P-B3
	250	3/4"	VH025C04R-R5P-P2	VH025C04R-R5P-F2	VH025C04R-R5P-A2	VH025C04R-R5P-C2	VH025C04R-R5P-B2
		1"	VH025C04R-R5P-P3	VH025C04R-R5P-F3	VH025C04R-R5P-A3	VH025C04R-R5P-C3	VH025C04R-R5P-B3
Mercury Vapor	100	3/4"	VM010H04R-R5P-P2	VM010H04R-R5P-F2	VM010H04R-R5P-A2	VM010H04R-R5P-C2	VM010H04R-R5P-B2
		1"	VM010H04R-R5P-P3	VM010H04R-R5P-F3	VM010H04R-R5P-A3	VM010H04R-R5P-C3	VM010H04R-R5P-B3
	175	3/4"	VM017C04R-R5P-P2	VM017C04R-R5P-F2	VM017C04R-R5P-A2	VM017C04R-R5P-C2	VM017C04R-R5P-B2
		1"	VM017C04R-R5P-P3	VM017C04R-R5P-F3	VM017C04R-R5P-A3	VM017C04R-R5P-C3	VM017C04R-R5P-B3
	250	3/4"	VM025C04R-R5P-P2	VM025C04R-R5P-F2	VM025C04R-R5P-A2	VM025C04R-R5P-C2	VM025C04R-R5P-B2
		1"	VM025C04R-R5P-P3	VM025C04R-R5P-F3	VM025C04R-R5P-A3	VM025C04R-R5P-C3	VM025C04R-R5P-B3

Dimensions:

13 3/8" (340) — 14 1/4" (362)
Rigid Pendant

13 3/8" (340) — 14 1/4" (362)
Flexible Pendant
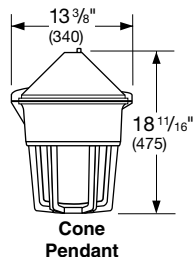
13 3/8" (340) — 18 11/16" (475)
Cone Pendant

13 3/8" (340) — 14 1/2" (368)
Ceiling
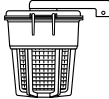
14 7/8" (378) — 16 5/8" (422)
Wall

Thomas&Betts

R-TANK BALLAST HOUSING

WITH 7-3/4'' REFRACTOR AND GUARD

Hazlux® 2

50 - 250 Watts

(UL)

- UL 1598
- Enclosed and Gasketed
- Suitable for Wet Locations
- UL 595 Marine*
- NEMA 4X*

D

Hazlux®

	Lamp Watts	Hub Size	25° Stanchion Catalog Number	Straight Stanchion Catalog Number	HazVertor™ Ring Catalog Number
High Pressure Sodium	50	1-1/4' 1-1/2"	VS005H12R-R5P-S4 VS005H12R-R5P-S5	VS005H12R-R5P-L4 VS005H12R-R5P-L5	VS005H12R-R5P-HV1
	70	1-1/4" 1-1/2"	VS007H04R-R5P-S4 VS007H04R-R5P-S5	VS007H04R-R5P-L4 VS007H04R-R5P-L5	VS007H04R-R5P-HV1
	100	1-1/4" 1-1/2"	VS010H04R-R5P-S4 VS010H04R-R5P-S5	VS010H04R-R5P-L4 VS010H04R-R5P-L5	VS010H04R-R5P-HV1
	150	1-1/4" 1-1/2"	VS015H04R-R5P-S4 VS015H04R-R5P-S5	VS015H04R-R5P-L4 VS015H04R-R5P-L5	VS015H04R-R5P-HV1
Metal Halide	70	1-1/4" 1-1/2"	VH007H03R-R5P-S4 VH007H03R-R5P-S5	VH007H03R-R5P-L4 VH007H03R-R5P-L5	VH007H03R-R5P-HV1
	100	1-1/4" 1-1/2"	VH010H04R-R5P-S4 VH010H04R-R5P-S5	VH010H04R-R5P-L4 VH010H04R-R5P-L5	VH010H04R-R5P-HV1
	175	1-1/4" 1-1/2"	VH017C04R-R5P-S4 VH017C04R-R5P-S5`	VH017C04R-R5P-L4 VH017C04R-R5P-L5	VH017C04R-R5P-HV1
	250	1-1/4" 1-1/2"	VH025C04R-R5P-S4 VH025C04R-R5P-S5	VH025C04R-R5P-L4 VH025C04R-R5P-L5	VH025C04R-R5P-HV1
Mercury Vapor	100	1-1/4" 1-1/2"	VM010H04R-R5P-S4 VM010H04R-R5P-S5	VM010H04R-R5P-L4 VM010H04R-R5P-L5	VM010H04R-R5P-HV1
	175	1-1/4" 1-1/2"	VM017C04R-R5P-S4 VM017C04R-R5P-S5	VM017C04R-R5P-L4 VM017C04R-R5P-L5	VM017C04R-R5P-HV1
	250	1-1/4" 1-1/2"	VM025C04R-R5P-S4 VM025C04R-R5P-S5	VM025C04R-R5P-L4 VM025C04R-R5P-L5	VM025C04R-R5P-HV1

Ordering Notes:

1. All fixtures (except 50W HPS and 70W MH) are shown with multi-tap ballast (120, 208, 240, 277V). To order 480V or any other dedicated voltage, substitute desired voltage code from "Catalog Numbering System" on page D41. Example: For 100W HPS, 480V, substitute "H48" for "H04" - VS010H48R-R5P-P2.

2. All fixtures are for use with mogul base lamps. Lamps are not included unless "UNIPAK® with Lamp" packaging is specified. See Note D43.

3. To order Hazlux 2 fixtures with "UNIPAK® with Lamp" packaging, add "E" to the end of the catalog number. Example: VH017C04R-R5P-S5E. See page D43 for details.

4. Refer to "Note Regarding Glass Globes and Refractors" on page D5 for hose-down information.

5. Fixtures are shown with IES Type V refractor for symmetrical light distribution. To order with IES Type I or Type III refractor, substitute "R1P" or "R3P" for "R5P" in catalog number. Example: VS015H04R-R1P-L5.

6. Fixtures are shown with guard. To order fixture without guard, change "R5P" to "R5." Example: VH017C04R-R5-C2.

7. Refer to page D41 for Hazlux 2 Options, and page D56 for Hazlux 2 Accessories and Parts.

Dimensions:

16 1/8" (410) — 15 3/16" (386)
25° Stanchion

15 3/4" (400) — 15 3/16" (386)
Straight Stanchion

13 3/8" (340) — 14 3/4" (375)
HazVertor™ Ring

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R-TANK BALLAST HOUSING

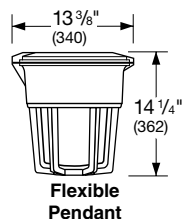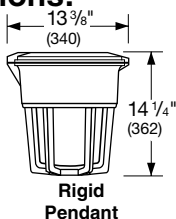**WITH 7-3/4" GLOBE AND GUARD**

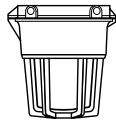## Hazlux® 2

50 - 250 Watts

- UL 1598
- Enclosed and Gasketed
- Suitable for Wet Locations
- UL 595 Marine*
- NEMA 4X*

Hazlux®

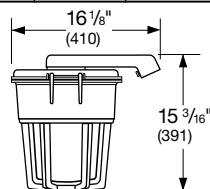|	Lamp Watts	Hub Size	Rigid Pendant Catalog Number	Flex. Pendant Catalog Number	Cone Pendant Catalog Number	Ceiling Catalog Number	Wall Catalog Number
High Pressure Sodium	50	3/4" 1"	VS005H12R-TGP-P2 VS005H12R-TGP-P3	VS005H12R-TGP-F2 VS005H12R-TGP-F3	VS005H12R-TGP-A2 VS005H12R-TGP-A3	VS005H12R-TGP-C2 VS005H12R-TGP-C3	VS005H12R-TGP-B2 VS005H12R-TGP-B3
	70	3/4" 1"	VS007H04R-TGP-P2 VS007H04R-TGP-P3	VS007H04R-TGP-F2 VS007H04R-TGP-F3	VS007H04R-TGP-A2 VS007H04R-TGP-A3	VS007H04R-TGP-C2 VS007H04R-TGP-C3	VS007H04R-TGP-B2 VS007H04R-TGP-B3
	100	3/4" 1"	VS010H04R-TGP-P2 VS010H04R-TGP-P3	VS010H04R-TGP-F2 VS010H04R-TGP-F3	VS010H04R-TGP-A2 VS010H04R-TGP-A3	VS010H04R-TGP-C2 VS010H04R-TGP-C3	VS010H04R-TGP-B2 VS010H04R-TGP-B3
	150	3/4" 1"	VS015H04R-TGP-P2 VS015H04R-TGP-P3	VS015H04R-TGP-F2 VS015H04R-TGP-F3	VS015H04R-TGP-A2 VS015H04R-TGP-A3	VS015H04R-TGP-C2 VS015H04R-TGP-C3	VS015H04R-TGP-B2 VS015H04R-TGP-B3
Metal Halide	70	3/4" 1"	VH007H03R-TGP-P2 VH007H03R-TGP-P3	VH007H03R-TGP-F2 VH007H03R-TGP-F3	VH007H03R-TGP-A2 VH007H03R-TGP-A3	VH007H03R-TGP-C2 VH007H03R-TGP-C3	VH007H03R-TGP-B2 VH007H03R-TGP-B3
	100	3/4" 1"	VH010H04R-TGP-P2 VH010H04R-TGP-P3	VH010H04R-TGP-F2 VH010H04R-TGP-F3	VH010H04R-TGP-A2 VH010H04R-TGP-A3	VH010H04R-TGP-C2 VH010H04R-TGP-C3	VH010H04R-TGP-B2 VH010H04R-TGP-B3
	175	3/4" 1"	VH017C04R-TGP-P2 VH017C04R-TGP-P3	VH017C04R-TGP-F2 VH017C04R-TGP-F3	VH017C04R-TGP-A2 VH017C04R-TGP-A3	VH017C04R-TGP-C2 VH017C04R-TGP-C3	VH017C04R-TGP-B2 VH017C04R-TGP-B3
	250	3/4" 1"	VH025C04R-TGP-P2 VH025C04R-TGP-P3	VH025C04R-TGP-F2 VH025C04R-TGP-F3	VH025C04R-TGP-A2 VH025C04R-TGP-A3	VH025C04R-TGP-C2 VH025C04R-TGP-C3	VH025C04R-TGP-B2 VH025C04R-TGP-B3
Mercury Vapor	100	3/4" 1"	VM010H04R-TGP-P2 VM010H04R-TGP-P3	VM010H04R-TGP-F2 VM010H04R-TGP-F3	VM010H04R-TGP-A2 VM010H04R-TGP-A3	VM010H04R-TGP-C2 VM010H04R-TGP-C3	VM010H04R-TGP-B2 VM010H04R-TGP-B3
	175	3/4" 1"	VM017C04R-TGP-P2 VM017C04R-TGP-P3	VM017C04R-TGP-F2 VM017C04R-TGP-F3	VM017C04R-TGP-A2 VM017C04R-TGP-A3	VM017C04R-TGP-C2 VM017C04R-TGP-C3	VM017C04R-TGP-B2 VM017C04R-TGP-B3
	250	3/4" 1"	VM025C04R-TGP-P2 VM025C04R-TGP-P3	VM025C04R-TGP-F2 VM025C04R-TGP-F3	VM025C04R-TGP-A2 VM025C04R-TGP-A3	VM025C04R-TGP-C2 VM025C04R-TGP-C3	VM025C04R-TGP-B2 VM025C04R-TGP-B3
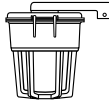
Dimensions:

Rigid Pendant — 13 3/8" (340), 14 1/4" (362)

Flexible Pendant — 13 3/8" (340), 14 1/4" (362)

Cone Pendant — 13 3/8" (340), 18 11/16" (475)

Ceiling — 13 3/8" (340), 14 1/2" (368)

Wall — 14 7/8" (377), 16 5/8" (422)

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R-TANK BALLAST HOUSING

WITH 7-3/4" GLOBE AND GUARD

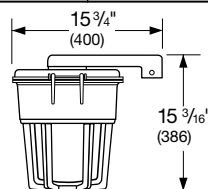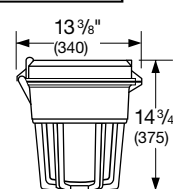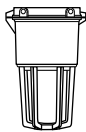## Hazlux® 2

50 - 250 Watts

- UL 1598
- Enclosed and Gasketed
- Suitable for Wet Locations
- UL 595 Marine*
- NEMA 4X*

	Lamp Watts	Hub Size	25° Stanchion Catalog Number	Straight Stanchion Catalog Number	HazVertor™ Ring Catalog Number
High Pressure Sodium	50	1-1/4" 1-1/2"	VS005H12R-TGP-S4 VS005H12R-TGP-S5	VS005H12R-TGP-L4 VS005H12R-TGP-L5	VS005H12R-TGP-HV1
	70	1-1/4" 1-1/2"	VS007H04R-TGP-S4 VS007H04R-TGP-S5	VS007H04R-TGP-L4 VS007H04R-TGP-L5	VS007H04R-TGP-HV1
	100	1-1/4" 1-1/2"	VS010H04R-TGP-S4 VS010H04R-TGP-S5	VS010H04R-TGP-L4 VS010H04R-TGP-L5	VS010H04R-TGP-HV1
	150	1-1/4" 1-1/2"	VS015H04R-TGP-S4 VS015H04R-TGP-S5	VS015H04R-TGP-L4 VS015H04R-TGP-L5	VS015H04R-TGP-HV1
Metal Halide	70	1-1/4" 1-1/2"	VH007H03R-TGP-S4 VH007H03R-TGP-S5	VH007H03R-TGP-L4 VH007H03R-TGP-L5	VH007H03R-TGP-HV1
	100	1-1/4" 1-1/2"	VH010H04R-TGP-S4 VH010H04R-TGP-S5	VH010H04R-TGP-L4 VH010H04R-TGP-L5	VH010H04R-TGP-HV1
	175	1-1/4" 1-1/2"	VH017C04R-TGP-S4 VH017C04R-TGP-S5	VH017C04R-TGP-L4 VH017C04R-TGP-L5	VH017C04R-TGP-HV1
	250	1-1/4" 1-1/2"	VH025C04R-TGP-S4 VH025C04R-TGP-S5	VH025C04R-TGP-L4 VH025C04R-TGP-L5	VH025C04R-TGP-HV1
Mercury Vapor	100	1-1/4" 1-1/2"	VM010H04R-TGP-S4 VM010H04R-TGP-S5	VM010H04R-TGP-L4 VM010H04R-TGP-L5	VM010H04R-TGP-HV1
	175	1-1/4" 1-1/2"	VM017C04R-TGP-S4 VM017C04R-TGP-S5	VM017C04R-TGP-L4 VM017C04R-TGP-L5	VM017C04R-TGP-HV1
	250	1-1/4" 1-1/2"	VM025C04R-TGP-S4 VM025C04R-TGP-S5	VM025C04R-TGP-L4 VM025C04R-TGP-L5	VM025C04R-TGP-HV1

Ordering Notes:

1. All fixtures (except 50W HPS and 70W MH) are shown with multi-tap ballast (120, 208, 240, 277V). To order 480V or any other dedicated voltage, substitute desired voltage code from "Catalog Numbering System" on page D41. Example: For 100W HPS, 480V, substitute "H48" for "H04" - VS010H48R-TGP-P2.

2. All fixtures are for use with mogul base lamps. Lamps are not included unless "UNIPAK® with Lamp" packaging is specified. See Note D43.

3. To order Hazlux 2 fixtures with "UNIPAK® with Lamp" packaging, add "E" to the end of the catalog number. Example: VH017C04R-TGP-S5E. See page D43 for details.

4. Refer to "Note Regarding Glass Globes and Refractors" on page D5 for hose-down information.

5. Fixtures are shown with guard. To order fixture without guard, change "TGP" to "TG." Example: VH017C04R-TG-C2.

6. Refer to page D41 for Hazlux 2 Options, and page D56 for Hazlux 2 Accessories and Parts.

Dimensions:

16 1/8" (410) — 15 3/16" (391)

25° Stanchion

15 3/4" (400) — 15 3/16" (386)

Straight Stanchion

13 3/8" (340) — 14 3/4" (375)

HazVertor™ Ring

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LARGE BALLAST HOUSING
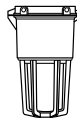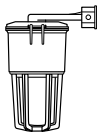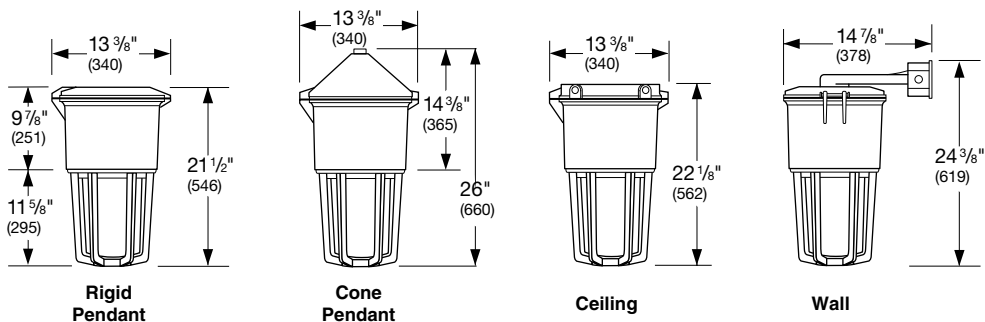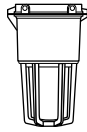
WITH GLOBE AND GUARD
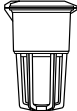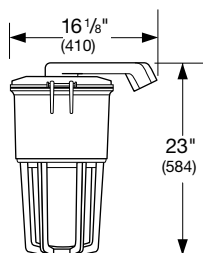
Hazlux® 2

200 - 400 WATTS

• UL 1598
• Enclosed and Gasketed
• Suitable for Wet Locations
• UL 595 Marine*
• NEMA 4X*

	Lamp Watts	Hub Size	Rigid Pendant Catalog Number	Cone Pendant Catalog Number	Ceiling Catalog Number	Wall Catalog Number
High Pressure Sodium	200	3/4"	VS020C04L-TGC-P2	VS020C04L-TGC-A2	VS020C04L-TGC-C2	VS020C04L-TGC-B2
		1"	VS020C04L-TGC-P3	VS020C04L-TGC-A3	VS020C04L-TGC-C3	VS020C04L-TGC-B3
	250	3/4"	VS025C04L-TGC-P2	VS025C04L-TGC-A2	VS025C04L-TGC-C2	VS025C04L-TGC-B2
		1"	VS025C04L-TGC-P3	VS025C04L-TGC-A3	VS025C04L-TGC-C3	VS025C04L-TGC-B3
	400	3/4"	VS040C04L-TGC-P2	VS040C04L-TGC-A2	VS040C04L-TGC-C2	VS040C04L-TGC-B2
		1"	VS040C04L-TGC-P3	VS040C04L-TGC-A3	VS040C04L-TGC-C3	VS040C04L-TGC-B3
Metal Halide	400	3/4"	VH040C04L-TGC-P2	VH040C04L-TGC-A2	VH040C04L-TGC-C2	VH040C04L-TGC-B3
		1"	VH040C04L-TGC-P3	VH040C04L-TGC-A3	VH040C04L-TGC-C3	VH040C04L-TGC-B3
Mercury Vapor	400	3/4"	VM040C04L-TGC-P2	VM040C04L-TGC-A2	VM040C04L-TGC-C2	VM040C04L-TGC-B2
		1"	VM040C04L-TGC-P3	VM040C04L-TGC-A3	VM040C04L-TGC-C3	VM040C04L-TGC-B3
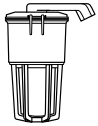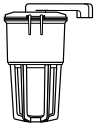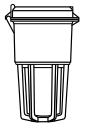
Dimensions:

Rigid Pendant
13 3/8" (340)
9 7/8" (251)
11 5/8" (295)
21 1/2" (546)

Cone Pendant
13 3/8" (340)
14 3/8" (365)
26" (660)

Ceiling
13 3/8" (340)
22 1/8" (562)

Wall
14 7/8" (378)
24 3/8" (619)

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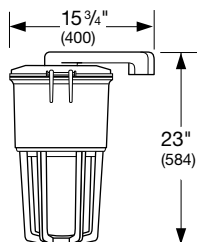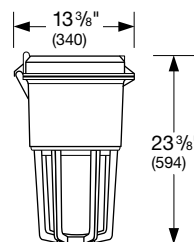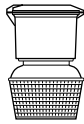| LARGE BALLAST HOUSING	*Hazlux® 2*	(UL)	• UL 1598
WITH GLOBE AND GUARD	**200 - 400 WATTS**		• Enclosed and Gasketed • Suitable for Wet Locations • UL 595 Marine* • NEMA 4X*

	Lamp Watts	Hub Size	25° Stanchion Catalog Number	Straight Stanchion Catalog Number	HazVertor™ Ring Catalog Number
High Pressure Sodium	200	1-1/4" 1-1/2"	VS020C04L-TGC-S4 VS020C04L-TGC-S5	VS020C04L-TGC-L4 VS020C04L-TGC-L5	VS020C04L-TGC-HV1
	250	1-1/4" 1-1/2"	VS025C04L-TGC-S4 VS025C04L-TGC-S5	VS025C04L-TGC-L4 VS025C04L-TGC-L5	VS025C04L-TGC-HV1
	400	1-1/4" 1-1/2"	VS040C04L-TGC-S4 VS040C04L-TGC-S5	VS040C04L-TGC-L4 VS040C04L-TGC-L5	VS040C04L-TGC-HV1
Metal Halide	400	1-1/4" 1-1/2"	VH040C04L-TGC-S4 VH040C04L-TGC-S5	VH040C04L-TGC-L4 VH040C04L-TGC-L5	VH040C04L-TGC-HV1
Mercury Vapor	400	1-1/4" 1-1/2"	VM040C04L-TGC-S4 VM040C04L-TGC-S5	VM040C04L-TGC-L4 VM040C04L-TGC-L5	VM040C04L-TGC-HV1

Ordering Notes:

1. All fixtures are shown with multi-tap ballast (120, 208, 240, 277V). To order 480V or any other dedicated voltage, substitute desired voltage code from "Catalog Numbering System" on page D41. Example: For 400W HPS, 480V, substitute "H48" for "H04" - VS040C48L-TGC-P2.

2. All fixtures are for use with mogul base lamps. Lamps are not included unless "UNIPAK® with Lamp" packaging is specified. See Note D43.

3. To order Hazlux 2 fixtures with "UNIPAK® with Lamp" packaging, add "E" to the end fo the catalog number. Example: VH040C04L-TGC-S5E. See page D43 for details.

4. Refer to "Note Regarding Glass Globes and Refractors" on page D5 for hose-down information.

5. Fixtures are shown with guard. To order fixture without guard, change "TGC" to "TG." Example: VH040C04L-TG-C2.

6. Refer to page D41 for Hazlux 2 Options, and page D56 for Hazlux 2 Accessories and Parts.

Dimensions:

16 1/8" (410)	15 3/4" (400)	13 3/8" (340)
23" (584)	23" (584)	23 3/8" (594)
25° Stanchion	**Straight Stanchion**	**HazVertor™ Ring**

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LARGE BALLAST HOUSING

WITH 12'' REFRACTOR AND GUARD
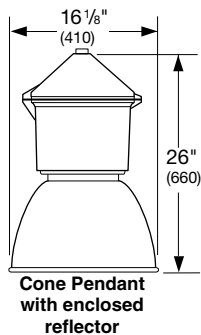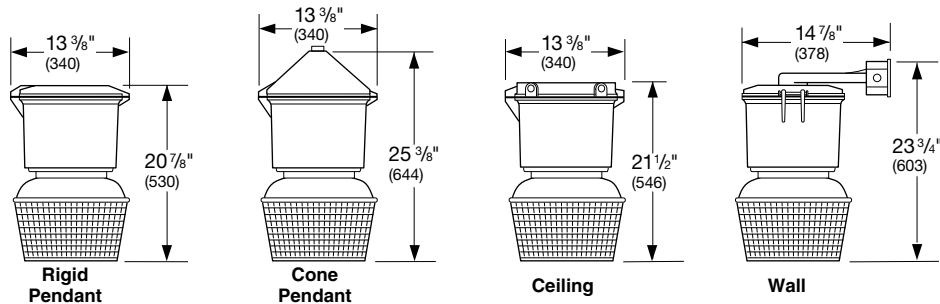
Hazlux® 2

200 - 400 WATTS

(UL)

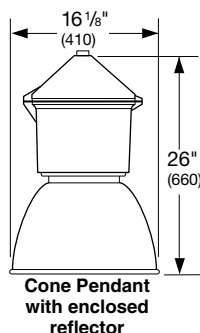- UL 1598
- Enclosed and Gasketed
- Suitable for Wet Locations
- UL 595 Marine*
- NEMA 4X*

D

Hazlux®

	Lamp Watts	Hub Size	Rigid Pendant Catalog Number	Cone Pendant Catalog Number	Ceiling Catalog Number	Wall Catalog Number
High Pressure Sodium	200	3/4"	VS020C04L-R5G-P2	VS020C04L-R5G-A2	VS020C04L-R5G-C2	VS020C04L-R5G-B2
		1"	VS020C04L-R5G-P3	VS020C04L-R5G-A3	VS020C04L-R5G-C3	VS020C04L-R5G-B3
	250	3/4"	VS025C04L-R5G-P2	VS025C04L-R5G-A2	VS025C04L-R5G-C2	VS025C04L-R5G-B2
		1"	VS025C04L-R5G-P3	VS025C04L-R5G-A3	VS025C04L-R5G-C3	VS025C04L-R5G-B3
	400	3/4"	VS040C04L-R5G-P2	VS040C04L-R5G-A2	VS040C04L-R5G-C2	VS040C04L-R5G-B2
		1"	VS040C04L-R5G-P3	VS040C04L-R5G-A3	VS040C04L-R5G-C3	VS040C04L-R5G-B3
Metal Halide	400	3/4"	VH040C04L-R5G-P2	VH040C04L-R5G-A2	VH040C04L-R5G-C2	VH040C04L-R5G-B2
		1"	VH040C04L-R5G-P3	VH040C04L-R5G-A3	VH040C04L-R5G-C3	VH040C04L-R5G-B3
Mercury Vapor	400	3/4"	VM040C04L-R5G-P2	VM040C04L-R5G-A2	VM040C04L-R5G-C2	VM040C04L-R5G-B2
		1"	VM040C04L-R5G-P3	VM040C04L-R5G-A3	VM040C04L-R5G-C3	VM040C04L-R5G-B3

Dimensions:

13 3/8" (340) — 20 7/8" (530)
Rigid Pendant

13 3/8" (340) — 25 3/8" (644)
Cone Pendant

13 3/8" (340) — 21 1/2" (546)
Ceiling

14 7/8" (378) — 23 3/4" (603)
Wall

16 1/8" (410) — 26" (660)
Cone Pendant with enclosed reflector

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LARGE BALLAST HOUSING

WITH 12" REFRACTOR AND GUARD
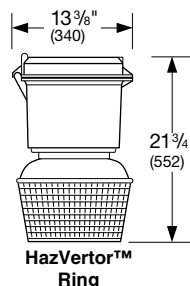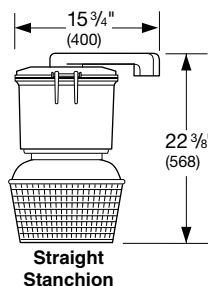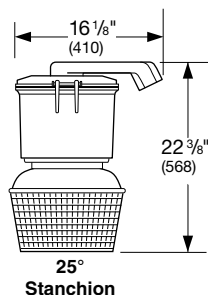
Hazlux® 2

200 - 400 WATTS

- UL 1598
- Enclosed and Gasketed
- Suitable for Wet Locations
- UL 595 Marine*
- NEMA 4X*

	Lamp Watts	Hub Size	25° Stanchion Catalog Number	Straight Stanchion Catalog Number	HazVertor™ Ring Catalog Number
High Pressure Sodium	200	1-1/4" 1-1/2"	VS020C04L-R5G-S4 VS020C04L-R5G-S5	VS020C04L-R5G-L4 VS020C04L-R5G-L5	VS020C04L-R5G-HV1
	250	1-1/4" 1-1/2"	VS025C04L-R5G-S4 VS025C04L-R5G-S5	VS025C04L-R5G-L4 VS025C04L-R5G-L5	VS025C04L-R5G-HV1
	400	1-1/4" 1-1/2"	VS040C04L-R5G-S4 VS040C04L-R5G-S5	VS040C04L-R5G-L4 VS040C04L-R5G-L5	VS040C04L-R5G-HV1
Metal Halide	400	1-1/4" 1-1/2"	VH040C04L-R5G-S4 VH040C04L-R5G-S5	VH040C04L-R5G-L4 VH040C04L-R5G-L5	VH040C04L-R5G-HV1
Mercury Vapor	400	1-1/4" 1-1/2"	VM040C04L-R5G-S4 VM040C04L-R5G-S5	VM040C04L-R5G-L4 VM040C04L-R5G-L5	VM040C04L-R5G-HV1

Ordering Notes:

1. All fixtures are shown with multi-tap ballast (120, 208, 240, 277V). To order 480V or any other dedicated voltage, substitute desired voltage code from "Catalog Numbering System" on page D41. Example: For 400W HPS, 480V, substitute "H48" for "H04" - VS040C48L-R5G-P2.

2. All fixtures are for use with mogul base lamps. Lamps are not included unless "UNIPAK® with Lamp" packaging is specified. See Note D43.

3. To order Hazlux 2 fixtures with "UNIPAK® with Lamp" packaging, add "E" to the end fo the catalog number. Example: VH040C04L-R5G-S5E. See page D43 for details.

4. Refer to "Note Regarding Glass Globes and Refractors" on page D5 for hose-down information.

5. Fixtures are shown with IES Type V refractor for symmetrical light distribution. To order with IES Type II refractor, substitute "R2G" for "R5G" in catalog number. Example: VS040C04L-R2G-L5.

6. Fixtures are shown with guard. To order fixture without guard, change "R5G" to "R5." Example: VH040C04L-R5-C2.

7. To order fixtures with VR31CB High Bay Refllector with Lens, substitute "RCB" (no guard) or "RCG" (with guard) for "R5G" in catalog number. Example: VS040C04L-RCB-P2.

8. Refer to page D41 for Hazlux 2 Options, and page D56 for Hazlux 2 Accessories and Parts.
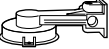
Dimensions:

16 1/8" (410)
22 3/8" (568)
25° Stanchion

15 3/4" (400)
22 3/8" (568)
Straight Stanchion

13 3/8" (340)
21 3/4" (552)
HazVertor™ Ring

16 1/8" (410)
26" (660)
Cone Pendant with enclosed reflector

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Hazlux®

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COMPONENTS AND REPLACEMENT PARTS

</td><td>

Hazlux® 2

50 - 400 Watts

</td><td>

• UL 1598
• Enclosed and Gasketed
• Suitable for Wet Locations
• UL 595 Marine*
• NEMA 4X*

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Hazlux®

Mounting Covers

Mounting Style	Hub Size	Catalog Number	Mounting Style	Hub Size	Catalog Number
Rigid Pendant	¾" 1"	VP2 VP3	**Wall**	¾" 1"	VB2 VB3
Cone Pendant	¾" 1"	VA2 VA3	**25° Stanchion**	1¼" 1½"	VS4 VS5
Flexible Pendant	¾" 1"	VF2 VF3	**Straight Stanchion**	1¼" 1½"	VL4 VL5
Ceiling	¾" 1"	VC2 VC3	**HazVertor Ring**		HV1 HV2

Globes, Refractors

	Catalog Number	Description
	VGT22	5½" dia. Heat Resistant Globe For use with Standard Housing (250W max.)
	VGT31S	7¾" dia. Heat Resistant Globe For use with "R" Housing (250W max.)
	VGT31	7¾" dia. Heat Resistant Globe For use with Large Housing (400W max.)
	VGL31R1	7¾" IES Type I Refractor Globe For use with "R" Housing (250W max.)
	VGL31R3	7¾" IES Type III Refractor Globe For use with "R" Housing (250W max.)
	VGL31R5	7¾" IES Type V Refractor Globe For use with "R" Housing (250W max.)
	VRF22C2	12" dia. IES Type II Refractor 5½" thread, for use with Standard Housing
	VRF22C5	12" dia. IES Type V Refractor 5½" thread, for use with Standard Housing
	VRF31C2	12" dia. IES Type II Refractor 7¾" thread, for use with "R" and Large Housings
	VRF31C5	12" dia. IES Type V Refractor 7¾" thread, for use with "R" and Large Housings

Reflectors, Exit Sign

	Catalog Number	Description
	VR22P	Standard Dome Fiberglass Reinforced Polyester For use with Std. Housing
	VR31P	Standard Dome Fiberglass Reinforced Polyester For use with "R" and Lg. Housings
	VRD31	Deep Dome Anodized Aluminum For use with "R" and Lg. Housings
	VR31CB	Enclosed High Bay Anodized Aluminum with Lens For use with "R" and Lg. Housings
	VRA22P	30° Angle Reflector Fiberglass Reinforced Polyester For use with Std. Housing
	VRA31P	30° Angle Reflector Fiberglass Reinforced Polyester For use with "R" and Lg. Housings
	VRE22	Three Sided Exit Sign For use with Std. Housing

Guards

	Catalog Number	Description
	VGU22P	Polymeric Guard for VGT22 Series Globes
	VGU31RP	Polymeric Guard for VGT31S Globe and VGL31R Series Refractor Globes
	VGU31R	Cast Aluminum Guard for VGT31S Globe and VGL31R Series Refractor Globes
	VGU31	Cast Aluminum Guard for VGT31 Globe
	VGR48	Steel Wire Guard for All VRF Series 12" Refractors
	VGR64	Steel Wire Guard for VR31CB Enclosed High Bay Reflector

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CATALOG NUMBERING SYSTEM HID INCANDESCENT - FLUORESCENT	*Hazlite™ M2* **9 - 150 Watts**	(UL)	• UL 1598 • Enclosed and Gasketed • Suitable for Wet Locations • Marine* • NEMA 4X*

Catalog Numbering System

V S M 07 P 120 - R5P - C2 E F

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑩ ⑪
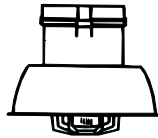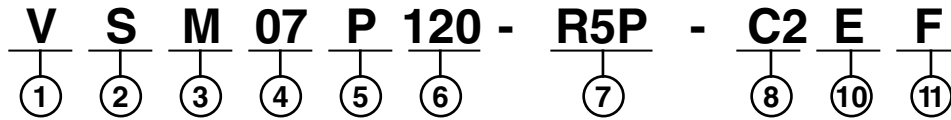
1) Fixture Suitability

V = Enclosed & Gasketed
Suitable for Wet Locations
Marine
NEMA 4X

2) Lamp Type

S = High Pressure Sodium
H = Metal Halide
F = Fluorescent
I = Incandescent

3) Lampholder Type

M = Medium Base Lampholder
B = Bi Pin Type (Fluorescent)

4) Lamp Wattage

09 = 9 Watts
13 = 13 Watts
18 = 18 Watts
26 = 26 Watts
03 = 35 Watts
05 = 50 Watts
07 = 70 Watts
10 = 100 Watts
15 = 150 Watts

5) Ballast Circuit

C = Constant Wattage Autotransformer (CWA)
P = Reactor Type
0 = Incandescent - No Ballast Circuit

6) Ballast Voltage

120 = 120 Volts

7) Optical Assembly Option

G = Standard Globe Only (VGL15)
GGL = Standard Globe and Polymeric Guard
GG = Standard Globe and Cast Guard
TG = Tempered Globe Only (VGL15)
TGL = Tempered Globe and Polymeric Guard
TGC = Tempered Globe and Cast Guard
R1 = Type I (Long & Narrow) Glass Refractor
R3 = Type III (Asymmetric) Glass Refractor
R5 = Type V (Symmetric) Glass Refractor
R1P = Type I Refractor and Polymeric Guard
R3P = Type III Refractor and Polymeric Guard
R5P = Type V Refractor and Polymeric Guard
R5A = 8" Glass Refractor (Type V)

8) Mounting Style

P2 = 3/4" Rigid Pendant   **C2** = 3/4" Ceiling
P3 = 1" Rigid Pendant   **C3** = 1" Ceiling
B2 = 3/4" Wall   **S4** = 1-1/4" Stanchion
B3 = 1" Wall   **S5** = 1-1/2" Stanchion
L4 = 1-1/4" Stanchion   **010** = 4" Cast Outlet Box
L5 = 1-1/2" Stanchion

9) Special Coating Options

T = HAZ-COTE™ Custom Corrosion coating on all Aluminum Parts. (Consult Factory)

10) UNIPAK® Options

D = Unipak with diffuse coated lamp

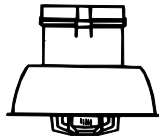**E** = Unipak with clear lamp (See page D217 for details)

11) Fusing

F = Single Fuse Block with Fuse (HID only) (Not Marine Rated)

Note: 100W incandesant not available in clear lamp.

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FIXTURE COMPONENTS

Hazlite™ M2

9-150 Watts

- UL 1598
- Enclosed and Gasketed
- Suitable for Wet Locations
- Marine*
- NEMA 4X*

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Hazlux®

OUTLET BOXES — Designed for all Hazlite M2 Ballast Housings.

MOUNTING STYLE	CATALOG NUMBER	CONDUIT HUB SIZE	WT. EA. (LBS.)	STD. PKG.
Rigid Pendant	• VMP2	3/4"	1.3	5
	VMP3	1"	1.3	5
Ceiling Mount	• VMC2	3/4"	1.9	5
	VMC3	1	1.9	5
4" Outlet Box Mount†	VM010	None	1.2	5

MOUNTING STYLE	CATALOG NUMBER	CONDUIT HUB SIZE	WT. EA. (LBS.)	STD. PKG.
Wall Mount	• VMB2	3/4"	5.2	5
	VMB3	1"	5.2	5
Stanchion Mount 25°	• VMS4	1¼"	3.0	5
	• VMS5	1½"	3.0	5
Stanchion Mount 90°	• VML4	1¼"	3.0	5
	VML5	1½"	3.0	5

GLOBES OR REFRACTORS

CATALOG NO.	DESCRIPTION	STD. PKG.	WEIGHT EACH (Lbs.)
• VGL15	Prismatic Glass 150 Watts Max.	10	2.8
• VGT15	Heat-Resistant Prismatic Glass	10	2.8
• VGL15R1	IES Type I Refractor	10	3.0
VGL15R3	IES Type III Refractor	10	3.0
• VGL15R5	IES Type V Refractor	10	3.0
VRF22C5A	8" IES Type V Reflector	10	5.0
VGT15G	Green Prismatic Glass	10	2.8
VGL15P	Clear Polycarbonate (60 Watt Max.)	10	1.0
VGL22P	Clear Polycarbonate (100 Watt Max.)	10	1.0

GUARDS

CATALOG NO.	DESCRIPTION	STD. PKG.	WEIGHT EACH (Lbs.)
• VGU15	Cast aluminum - for use with glass globes or refractors	10	.7
• VGU15P	Polymeric — For Use With Glass Globes or Refractors	10	.3
VGR32	For use with VRF22C5A Refractors	10	1.5

REFLECTORS

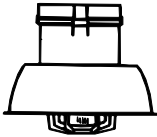| CATALOG NO.	DESCRIPTION	STD. PKG.	WEIGHT EACH (Lbs.)
• VR15P	Standard Dome Fiber Glass Reinforced Polyester	5	2.4
• VRA15P	30° Angle Reflector Fiber Glass Reinforced Polyester	5	2.3

EXIT SIGN

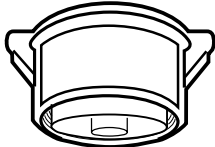| CATALOG NO.	WEIGHT EACH (Lbs.)	STD. PKG.	COLOR
VRE22	.5	1	Red
VGE22	.5	1	Green

† *For use with Hazlite M2 type fixtures only.* •*Factory Stock*
* *See General Information page D5 for "Note Regarding Glass Globes and Refractors."*

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| **FIXTURE COMPONENTS** | *Hazlite™ M2*

 9 - 150 Watts | (UL) | • UL 1598
 • Enclosed and Gasketed
 • Suitable for Wet Locations
 • Marine*
 • NEMA 4X* |

BALLAST HOUSINGS HIGH PRESSURE SODIUM — High Power Factor-Reactor Type Ballast (Min. P.F. 90%)

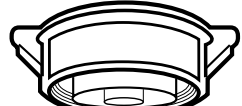| WATTAGE	VOLTAGE	WEIGHT EACH (Lbs.)	CATALOG NUMBER	STD. PKG.
35	120	5.7	**VSM03P12**	1
50	120	6.2	**VSM05P12**	1
70	120	6.4	**VSM07P12**	1
100	120	6.9	**VSM10P12**	1
150	120	7.9	**VSM15P12**	1

BALLAST HOUSINGS METAL HALIDE — High Power Factor (Min. P.F. 90%)

WATTAGE	VOLTAGE	WEIGHT EACH (Lbs.)	CATALOG NUMBER	STD. PKG.
70	120	7.7	**VHM07H12**	1
100	120	7.9	**VHM10H12**	1

BALLAST HOUSING AND GLOBE FLUORESCENT[1] — Includes Globe and Lamp(s) shipped assembled to tank.
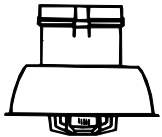
WATTAGE	VOLTAGE	WEIGHT EACH (Lbs.)	CATALOG NUMBER	STD. PKG.
9	120	8.5	**VFB09P120G-D**	1
13	120	8.5	**VFB13P120G-D**	1
18	120	10.9	**VFB18P120G-D**	1
26	120	10.9	**VFB26P120G-D**	1

HOUSING INCANDESCENT

WATTAGE	VOLTAGE	WEIGHT EACH (Lbs.)	CATALOG NUMBER	STD. PKG.
100	120	2.6	**VIM10012**	1
150	120	2.6	**VIM15012**	1

1 *Lamp (one or two) included with ballast housing (Fluorescent fixture only.)*
* *See General Information page D5 for "Note Regarding Glass Globes and Refractors."*

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HIGH PRESSURE SODIUM

WITH GLOBE AND GUARD

Hazlite™ M2

35 - 150 Watts

- UL 1598
- Enclosed and Gasketed
- Suitable for Wet Locations
- Marine*
- NEMA 4X*

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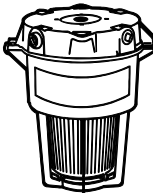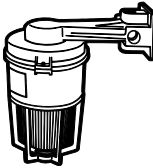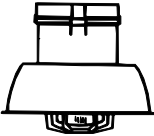| MOUNTING STYLE	LAMP ♦ WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER 120 Volt	WT. EACH (Lbs.)	CONSISTS OF:			
					Ballast Housing	Outlet Box	Globe	Guard
Rigid Pendant	35	3/4	**VSM03P12-GGL-P2**	10.1	VSM03P12	VMP2	VGL15	VGU15P
	35	1	**VSM03P12-GGL-P3**	10.1	VSM03P12	VMP3	VGL15	VGU15P
	50	3/4	**VSM05P12-GGL-P2**	10.6	VSM05P12	VMP2	VGL15	VGU15P
	50	1	**VSM05P12-GGL-P3**	10.6	VSM05P12	VMP3	VGL15	VGU15P
	70	3/4	**VSM07P12-TGL-P2**	11.0	VSM07P12	VMP2	VGT15	VGU15P
	70	1	**VSM07P12-TGL-P3**	11.0	VSM07P12	VMP3	VGT15	VGU15P
	100	3/4	**VSM10P12-TGL-P2**	11.3	VSM10P12	VMP2	VGT15	VGU15P
	100	1	**VSM10P12-TGL-P3**	11.3	VSM10P12	VMP3	VGT15	VGU15P
	150	3/4	**VSM15P12-TGL-P2**	12.3	VSM15P12	VMP2	VGT15	VGU15P
	150	1	**VSM15P12-TGL-P3**	12.3	VSM15P12	VMP3	VGT15	VGU15P
Ceiling Mount	35	3/4	**VSM03P12-GGL-C2**	10.7	VSM03P12	VMC2	VGL15	VGU15P
	35	1	**VSM03P12-GGL-C3**	10.7	VSM03P12	VMC3	VGL15	VGU15P
	50	3/4	**VSM05P12-GGL-C2**	11.2	VSM05P12	VMC2	VGL15	VGU15P
	50	1	**VSM05P12-GGL-C3**	11.2	VSM05P12	VMC3	VGL15	VGU15P
	70	3/4	**VSM07P12-TGL-C2**	11.4	VSM07P12	VMC2	VGT15	VGU15P
	70	1	**VSM07P12-TGL-C3**	11.4	VSM07P12	VMC3	VGT15	VGU15P
	100	3/4	**VSM10P12-TGL-C2**	11.9	VSM10P12	VMC2	VGT15	VGU15P
	100	1	**VSM10P12-TGL-C3**	11.9	VSM10P12	VMC3	VGT15	VGU15P
	150	3/4	**VSM15P12-TGL-C2**	12.9	VSM15P12	VMC3	VGT15	VGU15P
	150	1	**VSM15P12-TGL-C3**	12.9	VSM15P12	VMC3	VGT15	VGU15P
Wall Mount	35	3/4	**VSM03P12-GGL-B2**	14.0	VSM03P12	VMB2	VGL15	VGU15P
	35	1	**VSM03P12-GGL-B3**	14.0	VSM03P12	VMB3	VGL15	VGU15P
	50	3/4	**VSM05P12-GGL-B2**	14.5	VSM05P12	VMB2	VGL15	VGU15P
	50	1	**VSM05P12-GGL-B3**	14.5	VSM05P12	VMB3	VGL15	VGU15P
	70	3/4	**VSM07P12-TGL-B2**	14.7	VSM07P12	VMB2	VGT15	VGU15P
	70	1	**VSM07P12-TGL-B3**	14.7	VSM07P12	VMB3	VGT15	VGU15P
	100	3/4	**VSM10P12-TGL-B2**	15.2	VSM10P12	VMB2	VGT15	VGU15P
	100	1	**VSM10P12-TGL-B3**	15.2	VSM10P12	VMB3	VGT15	VGU15P
	150	3/4	**VSM15P12-TGL-B2**	16.2	VSM15P12	VMB2	VGT15	VGU15P
	150	1	**VSM15P12-TGL-B3**	16.2	VSM15P12	VMB3	VGT15	VGU15P
Stanchion Mount	35	1-1/4	**VSM03P12-GGL-S4**	11.8	VSM03P12	VMS4	VGL15	VGU15P
	35	1-1/2	**VSM03P12-GGL-S5**	11.8	VSM03P12	VMS5	VGL15	VGU15P
	50	1-1/4	**VSM05P12-GGL-S4**	12.3	VSM05P12	VMS4	VGL15	VGU15P
	50	1-1/2	**VSM05P12-GGL-S5**	12.3	VSM05P12	VMS5	VGL15	VGU15P
	70	1-1/4	**VSM07P12-TGL-S4**	12.5	VSM07P12	VMS4	VGT15	VGU15P
	70	1-1/2	**VSM07P12-TGL-S5**	12.5	VSM07P12	VMS5	VGT15	VGU15P
	100	1-1/4	**VSM10P12-TGL-S4**	13.0	VSM10P12	VMS4	VGT15	VGU15P
	100	1-1/2	**VSM10P12-TGL-S5**	13.0	VSM10P12	VMS5	VGT15	VGU15P
	150	1-1/4	**VSM15P12-TGL-S4**	14.0	VSM15P12	VMS4	VGT15	VGU15P
	150	1-1/2	**VSM15P12-TGL-S5**	14.0	VSM15P12	VMS5	VGT15	VGU15P

Standard Dome Reflector:
Catalog No. VR15P

Angle Reflector:
Catalog No. VRA15P

GUARD: If a guard is not required change "GGL" to "G" or "TGL" to "TG."

♦ *All fixtures are designed for medium base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).*
* *See General Information page D5 for "Note Regarding Glass Globes and Refractors."*

Thomas&Betts

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HIGH PRESSURE SODIUM
WITH REFRACTOR AND GUARD
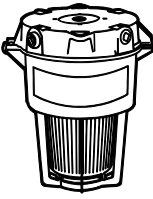### (IES TYPE V, REFRACTOR)

Hazlite® M2

35 - 150 Watts

(UL)

- UL 1598
- Enclosed and Gasketed
- Suitable for Wet Locations
- Marine*
- NEMA 4X*

D

Hazlux®

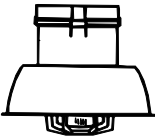| MOUNTING STYLE	LAMP ♦ WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER 120 Volt	WT. EACH (Lbs.)	CONSISTS OF:			
					Ballast Housing	Outlet Box	Refractor ■	Guard
Rigid Pendant	35	3/4	**VSM03P12-R5P-P2**	10.3	VSM03P12	VMP2	VGL15R5	VGU15P
	35	1	**VSM03P12-R5P-P3**	10.3	VSM03P12	VMP3	VGL15R5	VGU15P
	50	3/4	**VSM05P12-R5P-P2**	10.8	VSM05P12	VMP2	VGL15R5	VGU15P
	50	1	**VSM05P12-R5P-P3**	10.8	VSM05P12	VMP3	VGL15R5	VGU15P
	70	3/4	**VSM07P12-R5P-P2**	11.0	VSM07P12	VMP2	VGL15R5	VGU15P
	70	1	**VSM07P12-R5P-P3**	11.0	VSM07P12	VMP3	VGL15R5	VGU15P
	100	3/4	**VSM10P12-R5P-P2**	11.5	VSM10P12	VMP2	VGL15R5	VGU15P
	100	1	**VSM10P12-R5P-P3**	11.5	VSM10P12	VMP3	VGL15R5	VGU15P
	150	3/4	**VSM15P12-R5P-P2**	12.5	VSM15P12	VMP2	VGL15R5	VGU15P
	150	1	**VSM15P12-R5P-P3**	12.5	VSM15P12	VMP3	VGL15R5	VGU15P
Ceiling Mount	35	3/4	**VSM03P12-R5P-C2**	10.9	VSM03P12	VMC2	VGL15R5	VGU15P
	35	1	**VSM03P12-R5P-C3**	10.9	VSM03P12	VMC3	VGL15R5	VGU15P
	50	3/4	**VSM05P12-R5P-C2**	11.4	VSM05P12	VMC2	VGL15R5	VGU15P
	50	1	**VSM05P12-R5P-C3**	11.4	VSM05P12	VMC3	VGL15R5	VGU15P
	70	3/4	**VSM07P12-R5P-C2**	11.6	VSM07P12	VMC2	VGL15R5	VGU15P
	70	1	**VSM07P12-R5P-C3**	11.6	VSM07P12	VMC3	VGL15R5	VGU15P
	100	3/4	**VSM10P12-R5P-C2**	12.1	VSM10P12	VMC2	VGL15R5	VGU15P
	100	1	**VSM10P12-R5P-C3**	12.1	VSM10P12	VMC3	VGL15R5	VGU15P
	150	3/4	**VSM15P12-R5P-C2**	13.1	VSM15P12	VMC2	VGL15R5	VGU15P
	150	1	**VSM15P12-R5P-C3**	13.1	VSM15P12	VMC3	VGL15R5	VGU15P
Wall Mount	35	3/4	**VSM03P12-R5P-B2**	14.2	VSM03P12	VMB2	VGL15R5	VGU15P
	35	1	**VSM03P12-R5P-B3**	14.2	VSM03P12	VMB3	VGL15R5	VGU15P
	50	3/4	**VSM05P12-R5P-B2**	14.7	VSM05P12	VMB2	VGL15R5	VGU15P
	50	1	**VSM05P12-R5P-B3**	14.7	VSM05P12	VMB3	VGL15R5	VGU15P
	70	3/4	**VSM07P12-R5P-B2**	14.9	VSM07P12	VMB2	VGL15R5	VGU15P
	70	1	**VSM07P12-R5P-B3**	14.9	VSM07P12	VMB3	VGL15R5	VGU15P
	100	3/4	**VSM10P12-R5P-B2**	15.4	VSM10P12	VMB2	VGL15R5	VGU15P
	100	1	**VSM10P12-R5P-B3**	15.4	VSM10P12	VMB3	VGL15R5	VGU15P
	150	3/4	**VSM15P12-R5P-B2**	16.4	VSM15P12	VMB2	VGL15R5	VGU15P
	150	1	**VSM15P12-R5P-B3**	16.4	VSM15P12	VMB3	VGL15R5	VGU15P
Stanchion Mount	35	1-1/4	**VSM03P12-R5P-S4**	12.0	VSM03P12	VMS4	VGL15R5	VGU15P
	35	1-1/2	**VSM03P12-R5P-S5**	12.0	VSM03P12	VMS5	VGL15R5	VGU15P
	50	1-1/4	**VSM05P12-R5P-S4**	12.5	VSM05P12	VMS4	VGL15R5	VGU15P
	50	1-1/2	**VSM05P12-R5P-S5**	12.5	VSM05P12	VMS5	VGL15R5	VGU15P
	70	1-1/4	**VSM07P12-R5P-S4**	12.7	VSM07P12	VMS4	VGL15R5	VGU15P
	70	1-1/2	**VSM07P12-R5P-S5**	12.7	VSM07P12	VMS5	VGL15R5	VGU15P
	100	1-1/4	**VSM10P12-R5P-S4**	13.2	VSM10P12	VMS4	VGL15R5	VGU15P
	100	1-1/2	**VSM10P12-R5P-S5**	13.2	VSM10P12	VMS5	VGL15R5	VGU15P
	150	1-1/4	**VSM15P12-R5P-S4**	14.2	VSM15P12	VMS4	VGL15R5	VGU15P
	150	1-1/2	**VSM15P12-R5P-S5**	14.2	VSM15P12	VMS5	VGL15R5	VGU15P

GUARD: If a guard is not required delete "P" from the Catalog Number.

♦ *All fixtures are designed for medium base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).*
■ *Refer to Page D58 for type I or III refractors.*
* *See General Information page D5 for "Note Regarding Glass Globes and Refractors."*

Thomas&Betts

METAL HALIDE
WITH GLOBE AND GUARD

Hazlite™ M2

50 - 100 Watts

- UL 1598
- Enclosed and Gasketed
- Suitable for Wet Locations
- Marine*
- NEMA 4X*

D

Hazlux®

MOUNTING STYLE	LAMP♦ WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER 120 Volt*	WT. EACH (Lbs.)	CONSISTS OF:			
					Ballast Housing	Outlet Box	Globe	Guard
Rigid Pendant	70	3/4	**VHM07H120-TGL-P2**	12.1	**VHM07H12**	VMP2	VGT15	VGU15P
	70	1	**VHM07H120-TGL-P3**	12.1	**VHM07H12**	VMP3	VGT15	VGU15P
	100	3/4	**VHM10H120-TGL-P2**	12.3	**VHM10H12**	VMP2	VGT15	VGU15P
	100	1	**VHM10H120-TGL-P3**	12.3	**VHM10H12**	VMP3	VGT15	VGU15P
Ceiling Mount	70	3/4	**VHM07H120-TGL-C2**	12.7	**VHM07H12**	VMC2	VGT15	VGU15P
	70	1	**VHM07H120-TGL-C3**	12.7	**VHM07H12**	VMC3	VGT15	VGU15P
	100	3/4	**VHM10H120-TGL-C2**	12.9	**VHM10H12**	VMC2	VGT15	VGU15P
	100	1	**VHM10H120-TGL-C3**	12.9	**VHM10H12**	VMC3	VGT15	VGU15P
Wall Mount	70	3/4	**VHM07H120-TGL-B2**	16.0	**VHM07H12**	VMB2	VGT15	VGU15P
	70	1	**VHM07H120-TGL-B3**	16.0	**VHM07H12**	VMB3	VGT15	VGU15P
	100	3/4	**VHM10H120-TGL-B2**	16.2	**VHM10H12**	VMB2	VGT15	VGU15P
	100	1	**VHM10H120-TGL-B3**	16.2	**VHM10H12**	VMB3	VGT15	VGU15P
Stanchion Mount	70	1-1/4	**VHM07H120-TGL-S4**	13.8	**VHM07H12**	VMS4	VGT15	VGU15P
	70	1-1/2	**VHM07H120-TGL-S5**	13.8	**VHM07H12**	VMS5	VGT15	VGU15P
	100	1-1/4	**VHM10H120-TGL-S4**	14.0	**VHM10H12**	VMS4	VGT15	VGU15P
	100	1-1/2	**VHM10H120-TGL-S5**	14.0	**VHM10H12**	VMS5	VGT15	VGU15P

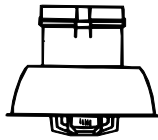**Standard Dome Reflector:**
Catalog No. VR15P

Angle Reflector:
Catalog No. VRA15P

GUARD: If a guard is not required change "GGL" to "G" or "TGL" to "TG."

♦ *All fixtures are designed for medium base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).*

* *See General Information page D5 for "Note Regarding Glass Globes and Refractors."*

Thomas&Betts

FLUORESCENT
WITH GLOBE AND GUARD

Hazlite™ M2

9 - 26 Watts

(UL)

- UL 1598
- Enclosed and Gasketed
- Suitable for Wet Locations
- Marine*
- NEMA 4X*

D

Hazlux®

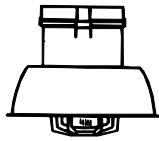| MOUNTING STYLE	LAMP ♦ WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER 120 Volt	WT. EACH (Lbs.)	CONSISTS OF:		
					Ballast Housing, Globe & Lamp(s)	Outlet Box	Guard
Rigid Pendant	9	3/4	**VFB09P120-GGL-P2D**	10.1	VFB09P120GD	VMP2	VGU15P
	9	1	**VFB09P120-GGL-P3D**	10.1	VFB09P120GD	VMP3	VGU15P
	13	3/4	**VFB13P120-GGL-P2D**	10.1	VFB13P120GD	VMP2	VGU15P
	13	1	**VFB13P120-GGL-P3D**	10.1	VFB13P120GD	VMP3	VGU15P
	18	3/4	**VFB18P120-GGL-P2D**	10.5	VFB18P120GD	VMP2	VGU15P
	18	1	**VFB18P120-GGL-P3D**	10.5	VFB18P120GD	VMP3	VGU15P
	26	3/4	**VFB26P120-GGL-P2D**	10.5	VFB26P120GD	VMP2	VGU15P
	26	1	**VFB26P120-GGL-P3D**	10.5	VFB26P120GD	VMP3	VGU15P
Ceiling Mount	9	3/4	**VFB09P120-GGL-C2D**	10.7	VFB09P120GD	VMC2	VGU15P
	9	1	**VFB09P120-GGL-C3D**	10.7	VFB09P120GD	VMC3	VGU15P
	13	3/4	**VFB13P120-GGL-C2D**	10.7	VFB13P120GD	VMC2	VGU15P
	13	1	**VFB13P120-GGL-C3D**	10.7	VFB13P120GD	VMC3	VGU15P
	18	3/4	**VFB18P120-GGL-C2D**	11.1	VFB18P120GD	VMC2	VGU15P
	18	1	**VFB18P120-GGL-C3D**	11.1	VFB18P120GD	VMC3	VGU15P
	26	3/4	**VFB26P120-GGL-C2D**	11.1	VFB26P120GD	VMC3	VGU15P
	26	1	**VFB26P120-GGL-C3D**	11.1	VFB26P120GD	VMC3	VGU15P
Wall Mount	9	3/4	**VFB09P120-GGL-B2D**	14.0	VFB09P120GD	VMB2	VGU15P
	9	1	**VFB09P120-GGL-B3D**	14.0	VFB09P120GD	VMB3	VGU15P
	13	3/4	**VFB13P120-GGL-B2D**	14.0	VFB13P120GD	VMB2	VGU15P
	13	1	**VFB13P120-GGL-B3D**	14.0	VFB13P120GD	VMB3	VGU15P
	18	3/4	**VFB18P120-GGL-B2D**	14.4	VFB18P120GD	VMB2	VGU15P
	18	1	**VFB18P120-GGL-B3D**	14.4	VFB18P120GD	VMB3	VGU15P
	26	3/4	**VFB26P120-GGL-B2D**	14.4	VFB26P120GD	VMB2	VGU15P
	26	1	**VFB26P120-GGL-B3D**	14.4	VFB26P120GD	VMB3	VGU15P
Stanchion Mount	9	1-1/4	**VFB09P120-GGL-S2D**	11.8	VFB09P120GD	VMS4	VGU15P
	9	1-1/2	**VFB09P120-GGL-S3D**	11.8	VFB09P120GD	VMS5	VGU15P
	13	1-1/4	**VFB13P120-GGL-S2D**	11.8	VFB13P120GD	VMS4	VGU15P
	13	1-1/2	**VFB13P120-GGL-S3D**	11.8	VFB13P120GD	VMS5	VGU15P
	18	1-1/4	**VFB18P120-GGL-S2D**	11.8	VFB18P120GD	VMS4	VGU15P
	18	1-1/2	**VFB18P120-GGL-S3D**	11.8	VFB18P120GD	VMS5	VGU15P
	26	1-1/4	**VFB26P120-GGL-S2D**	11.8	VFB26P120GD	VMS4	VGU15P
	26	1-1/2	**VFB26P120-GGL-S3D**	11.8	VFB26P120GD	VMS5	VGU15P

Standard Dome Reflector:
Catalog No. VR15P

Angle Reflector:
Catalog No. VRA15P

GUARD: If a guard is not required delete "GL" from the Catalog Number.

♦ *Fluorescent fixtures use PL type lamps (one or two lamps included).*
* *See General Information page D5 for "Note Regarding Glass Globes and Refractors."*

Thomas&Betts

INCANDESCENT
WITH GLOBE AND GUARD

Hazlite™ M2

100 - 150 Watts

- UL 1598
- Enclosed and Gasketed
- Suitable for Wet Locations
- Marine*
- NEMA 4X*

D

Hazlux®

MOUNTING STYLE	LAMP ♦ WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER	WT. EACH (Lbs.)	CONSISTS OF:			
					Ballast Housing	Outlet Box	Globe	Guard
Rigid Pendant	100	3/4	**VIM10012-GGL-P2**	7.0	VIM10012	VMP2	VGL15	VGU15P
	100	1	**VIM10012-GGL-P3**	7.0	VIM10012	VMP3	VGL15	VGU15P
	150	3/4	**VIM15012-GGL-P2**	7.0	VIM15012	VMP2	VGL15	VGU15P
	150	1	**VIM15012-GGL-P3**	7.0	VIM15012	VMP3	VGL15	VGU15P
Ceiling Mount	100	3/4	**VIM10012-GGL-C2**	7.6	VIM10012	VMC2	VGL15	VGU15P
	100	1	**VIM10012-GGL-C3**	7.6	VIM10012	VMC3	VGL15	VGU15P
	150	3/4	**VIM15012-GGL-C2**	7.6	VIM15012	VMC3	VGL15	VGU15P
	150	1	**VIM15012-GGL-C3**	7.6	VIM15012	VMC3	VGL15	VGU15P
Wall Mount	100	3/4	**VIM10012-GGL-B2**	10.9	VIM10012	VMB2	VGL15	VGU15P
	100	1	**VIM10012-GGL-B3**	10.9	VIM10012	VMB3	VGL15	VGU15P
	150	3/4	**VIM15012-GGL-B2**	10.9	VIM15012	VMB2	VGL15	VGU15P
	150	1	**VIM15012-GGL-B3**	10.9	VIM15012	VMB3	VGL15	VGU15P
Stanchion Mount	100	1-1/4	**VIM10012-GGL-S4**	8.7	VIM10012	VMS4	VGL15	VGU15P
	100	1-1/2	**VIM10012-GGL-S5**	8.7	VIM10012	VMS5	VGL15	VGU15P
	150	1-1/4	**VIM15012-GGL-S4**	8.7	VIM15012	VMS4	VGL15	VGU15P
	150	1-1/2	**VIM15012-GGL-S5**	8.7	VIM15012	VMS5	VGL15	VGU15P

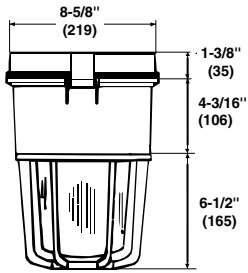**Standard Dome Reflector:**
Catalog No. VR15P

Angle Reflector:
Catalog No. VRA15P

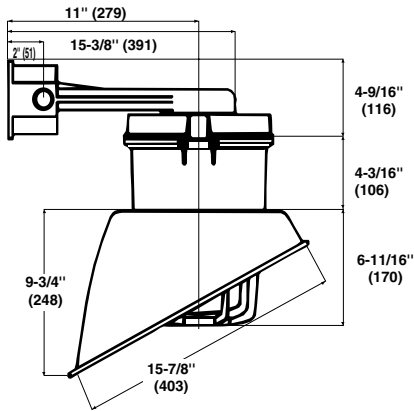**GUARD:** If a guard is not required delete "GL" from the Catalog Number.

♦ *Incandescent fixtures use medium base lamps in the base-up position (lamp NOT included).*
* *See General Information page D5 for "Note Regarding Glass Globes and Refractors."*

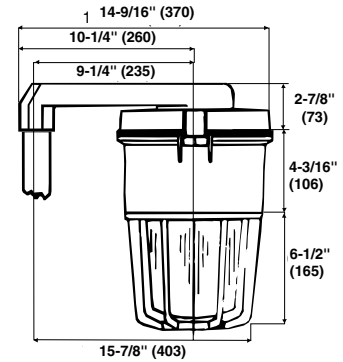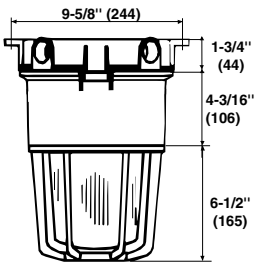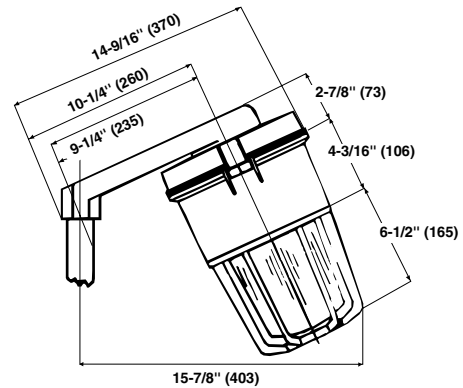## Thomas&Betts

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Hazlite™ M2
Dimensional Drawings

D

Hazlux®

8-5/8"
(219)

1-3/8"
(35)

4-3/16"
(106)

6-1/2"
(165)

RIGID PENDANT

11" (279)

2' (51)

15-3/8" (391)

4-9/16"
(116)

4-3/16"
(106)

9-3/4"
(248)

6-11/16"
(170)

15-7/8"
(403)

WALL MOUNT

14-9/16" (370)

10-1/4" (260)

9-1/4" (235)

2-7/8"
(73)

4-3/16"
(106)

6-1/2"
(165)

15-7/8" (403)

90° STANCHION
MOUNT

9-5/8" (244)

1-3/4"
(44)

4-3/16"
(106)

6-1/2"
(165)

CEILING MOUNT

14-9/16" (370)

10-1/4" (260)

9-1/4" (235)

2-7/8" (73)

4-3/16" (106)

6-1/2" (165)

15-7/8" (403)

25° STANCHION
MOUNT

Thomas&Betts

Hazlux®

HID ENCLOSED and GASKETED FIXTURES for
CLASS I, DIVISION 2;
CLASS II;
WET and MARINE LOCATIONS*

CONTENTS   **PAGE**

*Check individual product listings for specific suitabilities.

Thomas&Betts

D

Hazlux®

Over six times the life of a traditional Metal Halide Lamp!

"I sure don't envy the person who has to change these lamps out!"

Hazlux® Induction Lighting reduces the cost of expensive maintenance of industrial lighting in hazardous locations.

Now you can use the longest-life lamp available on the market.

In the typical process industry plant, reliable lighting is often required in hazardous, hard-to-reach places. Lamp replacement not only places employees at risk, but often requires the rental of expensive equipment such as scissors lifts.

With the introduction of Hazlux Induction Lighting Fixtures for hazardous areas (Class 1, Div. 2 Groups A, B, C, D) and non-hazardous areas, you can benefit from the longest lamp life available on the market. Hazlux® 3 HID lights are equipped with Philips® QL Induction lamps for the longest lamp life ever.

Features include:

- 60,000+ hour lamp life
- Reduced maintenance/re-lamp operations
- Instant On-Instant Restrike
- Automatic switch-off in case of failure
- Warm white light
- Exceptional energy efficiency
- -40°C to 40°C ambient operating range
- Retrofits into existing Hazlux® 3 applications
- Acceptable for use with infrared remote control equipment operating at 36kHz.
- RFI-approved for environments up to 1000 MHz (FCC part 18 reference luminaire)

Here's how you save maintenance costs with Hazlux® Induction Lighting:

- Eliminates the need for expensive HID options such as Quartz Auxiliary Lamps or Instant Restrike.
- Reduces risks to installers performing maintenance in hard-to-reach places.
- Reduces number of times necessary to de-energize entire circuit of lights for maintenance in hazardous locations.
- Increases efficiency by decreasing machine shutdown time.
- Lowers cost of expensive rental of scissor lifts or bucket trucks.

Hazlux® 3 Induction Lighting Fixture Ordering Information

D	I	0	16	E	12	L	-	R5G	-	P2	T	E
1	2	3	4	5	6	7		8		9	10	11

1. **D = Hazlux 3 HID Fixture**
   Class I, Div. 2, Groups A, B, C, and D
   Class I, Zone 2, Groups IIA, IIB, IIC
   Class II, Div. 1 & 2, Groups E, F, G
   Class III
   UL 595 Marine Locations
   Wet Locations, NEMA 4X

2. **Lamp Type**
   I = Induction Lighting

3. **Starter Circuit/Quartz Options**
   0 = Standard Fixture

4. **Lamp Wattage**
   16 = 165 watt induction system

5. **Ballast Circuit**
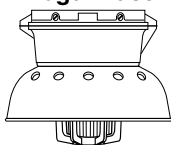   E = Electronic Ballast (Induction Fixture)

6. **Voltage**
   12 = 120V 60 Hz
   06 = 208/240/277V 50 or 60 Hz
   34 = 347V 60Hz (CSA)

7. **Tank**
   L = Large Tank

8. **Refractor**
   R5G = Type V Refractor with Wire Guard
   R5 = Type V Refractor

9. **Mount**
   A2 = ¾" Cone Top Pendant
   A3 = 1" Cone Top Pendant Mount
   B2 = ¾" Wall Mount
   B3 = 1" Wall Mount
   C2 = ¾" Ceiling Mount

   C3 = 1" Ceiling Mount
   F2 = ¾" Flexible Pendant
   F3 = 1" Flexible Pendant
   HV1 = Hazvertor Ring Class I, Div 2
   HV2 = Hazvertor Ring Class II, Division I
   L4 = 1¼" Straight Stanchion
   L5 = 1½" Straight Stanchion
   P2 = ¾" Rigid Pendant
   P3 = 1" Rigid Pendant
   S4 = 1¼" 25 Degree Stanchion
   S5 = 1½" 25 Degree Stanchion

10. **Coating**
    T = HazCote™ Custom Corrosion Coating

11. E = UNIPAK with Induction Lamp

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HID Lighting Fixtures	**Hazlux® 3** **Mogul Base** **50 - 400 Watts**	(UL)	• UL 844 • Class I, Division 2, Groups A, B, C, D* • Class II, Division 1&2, Groups E, F, G; Class III† • Enclosed and Gasketed • UL 1598, Suitable for Wet Locations • Marine • NEMA 4X

D

Hazlux®

Applications
- Chemical Plants
- Oil Refineries
- Paint, Rubber Manufacturing
- Offshore Platforms
- Oil Drilling Rigs
- Oil, Gas Transmission
- Waste Treatment Facilities
- Airplane, Aerospace Facilities
- Electronics Manufacturing
- Pharmaceutical Plants
- Aircraft Manufacturing
- Vehicle Maintenance Facilities
- Grain Handling, Food Processing
- Coal Handling and Processing
- Flour, Sugar, Starch Processing
- Ammunition Manufacturing
- Coal, Gold and Copper Mining
- Pulp and Paper Manufacturing
- Copper, Aluminum Smelting
- Breweries, Malt Plants
- Shipyards, Shipbuilding Facilities
- Automobile Manufacturing
- Marine and Coastal Facilities
- Utility Power Plants
- Steel Mills, Foundries
- General Manufacturing Plants

Features and Benefits
- Modular fixture components enable hundreds of easy-to-assemble combinations.
- Cast copper-free aluminum housings and mounting covers for light weight and corrosion resistance.
- Electrostatically applied powder coat finish for added corrosion resistance.
- Thermal shock resistant glass globes and refractors protect lamps in wet, marine, outdoor applications.
- All glass globes and refractors are fully threaded and provide dust-tight, water-tight seal with silicone rubber gaskets.
- Standard globe guards are made from rugged polycarbonate plastic or cast aluminum, with keyhole slots for ease of installation, and do not interfere with globe threads.
- All exposed hardware is stainless steel for corrosion resistance; screws are slotted, hex-head style to further ease installation.
- Comprehensive UL listings for Class I, Division 2; Class I, Zone 2; and Class II.
- Available for use with High Pressure Sodium, Metal Halide, and Mercury Vapor lamps up to 400 watts.
- Eight different mounting styles — Rigid Pendant, Flexible Pendant, Cone Pendant, Ceiling, Wall, 25° Stanchion, Straight Stanchion, and HazVertor™ Adapter Ring.
- Three ballast housing choices — Standard Tank, "R" - Tank, and Large Tank.

- Heat sinks in ballast housings allow ballasts to operate cooler, provide longer life, improved temperature performance.
- Bright white FRP (fiberglass reinforced polyester) angle or dome reflectors resist corrosion while maximizing lighting effectiveness.
- Many optical choices — standard globes, threaded refractor globes, 7¾" globes, 12" refractors, enclosed high bay reflectors, and more.
- All mounting covers provided with dual lead ground wire for connection to field and fixture grounds.
- Optional HazCote™ coating for extremely corrosive applications.
- Optional stainless steel inserts for guard screws and ballast tank closure screw for enhanced corrosion resistance.
- Optional TuffSkin® silicone coating on glass optics contains fragments if glass is broken (for food processing).
- Optional instant restrike starter for HPS lamps up to 150 watts restarts hot HPS lamp after momentary power failure.

Materials and Finishes
- Ballast Housings — Copper free aluminum, powder finish
- Mounting Covers — Copper free aluminum, powder finish

- Guards — Polycarbonate, copper free aluminum, or steel
- Globes — Tempered glass or borosilicate glass
- Refractor Globes — Borosilicate glass
- Refractors (12") - Borosilicate glass
- Hardware — Stainless steel
- Reflectors — Fiberglass reinforced polyester (Std. dome, angle); anodized aluminum (deep dome, high bay enclosed)
- Gaskets — High temperature silicone rubber

Certifications
- UL Listed (UL844) for:
  Class I, Division 2, Groups A, B, C, D
  Class I, Zone 2, Groups IIA, IIB, IIC
  Class II, Divisions 1 & 2, Groups E, F, G
  Class III
  Wet Locations
- UL Listed (UL595) for:
  Marine Locations
- NEMA 4X, IP66
- CSA Certified (Contact Hazlux)
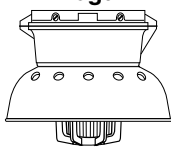
* See page D9 for T-Code Rating
† See pages D6 and D7 for Ratings on Specific Wattages.

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| Catalog Numbering System | *Hazlux® 3* Mogul 50 - 400 Watts | (UL) | • UL 844 • Class I, Division 2, Groups A, B, C, D* • Class II, Division 1&2, Groups E, F, G; Class III† • Enclosed and Gasketed • UL 1598, Suitable for Wet Locations • Marine • NEMA 4X |

D

Hazlux®

Catalog Numbering System

D S 0 15 H 12 0 - TGL - P2 E1 F N
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑪ ⑫ ⑬

① Hazlux Fixture Series
D = Hazlux 3 HID Fixture
Class I, Div. 2, Groups A, B, C, D
Class I, Zone 2, Groups IIA, IIB, IIC
Class II, Div. 1 & 2, Groups E, F, G
Class III
UL 1598 Marine Locations
Wet Locations
NEMA 4X, IP66

② Lamp Type
S = High Pressure Sodium
H = Metal Halide
M = Mercury Vapor

③ Starter Circuit/Quartz Options
0 = Standard Fixture
Q = Quartz Auxiliary Option
(Not Hazardous Rated)
R = Instant Restart
J = Auto Shutoff Starter
P = Pulse Start

④ Lamp Wattage
05 = 50 Watts
07 = 70 Watts
10 = 100 Watts
15 = 150 Watts
17 = 175 Watts
20 = 200 Watts
25 = 250 Watts
35 = 350 Watts
40 = 400 Watts

⑤ Ballast Circuit
H = High Reactance
C = Constant Wattage Autotransformer
(All ballasts high power factor.)

⑥ Voltage/Frequency
03 = 120/277V, 60Hz
04 = 120/208/240/277V, 60Hz
09 = 120/277/347V, 60Hz (CSA)
12 = 120V, 60Hz
27 = 277V, 60Hz
48 = 480V, 60Hz
225 = 220V, 50Hz
245 = 240V, 50Hz

⑦ Ballast Housing Style
0 = Standard Housing (150W HPS, 250W MH, MV max.)
R = Refractor Globe Housing (150W HPS, 250W MH, MV max.)
L = Large Housing (200-400W HPS; 400W MH, MV)
S = Standard Housing w/Stainless Steel Inserts
I = Refractor Globe Housing w/Stainless Steel Inserts
M = Large Housing w/Stainless Steel Inserts

⑧ Optical Assembly Options
For Std. Housing Fixtures (5-1/2'' Thread)
TG = Thermal Shock Resist. Globe
TGL = TG with Polymeric Guard
SG = Tuffskin® Coated Globe
SGL = SG with Polymeric Guard
R2 = 12" Glass Refractor, Type II
R5 = 12" Glass Refractor, Type V
R2G = R2 with Wire Guard
R5G = R5 with Wire Guard
For Refr. Globe Housing Fixtures (7-3/4" Thread)
R1 = 7¾" Refractor Globe, Type I
R3 = 7¾" Refractor Globe, Type III
R5 = 7¾" Refractor Globe, Type V
R1P = R1 with Polymeric Guard
R3P = R3 with Polymeric Guard
R5P = R5 with Polymeric Guard
TG = 7¾" Thermal Shock Res. Globe
TGP = TG with Polymeric Guard
For Large Housing Fixtures (7-3/4" Thread)
TG = Thermal Shock Resist. Globe
TGC = TG with Cast Alum. Guard
SG = Tuffskin® Coated Globe
SGC = SG with Cast Alum. Guard
R2 = 12" Glass Refractor, Type II
R5 = 12" Glass Refractor, Type V
R2G = R2 with Steel Guard
R5G = R5 with Steel Guard
RCB = Enclosed High Bay Reflector
RCG = RCB with Steel Wire Guard
Mounting Style
A2 = ¾" Cone Top Pendant

⑨ A3 = 1" Cone Top Pendant
B2 = ¾" Wall Mount
B3 = 1" Wall Mount
C2 = ¾" Ceiling Mount
C3 = 1" Ceiling Mount
F2 = ¾" Flexible Pendant
F3 = 1" Flexible Pendant
HV1 = HazVertor™ Ring - CI, D2
HV2 = HazVertor™ Ring - CII, D1
L4 = 1¼" Straight Stanchion
L5 = 1½" Straight Stanchion
P2 = ¾" Rigid Pendant
P3 = 1" Rigid Pendant
S4 = 1¼" 25° Angle Stanchion
S5 = 1½" 25° Angle Stanchion

⑩ Special Finish Option
T = HazCote™ Custom Corrosion Coating

⑪ UNIPAK® Packaging Options
E = UNIPAK with Clear Lamp
E1 = UNIPAK, Clear Lamp, Dome Reflector
E2 = UNIPAK, Clear Lamp, Angle Reflector
D = UNIPAK with Dual Arc Lamp
D1 = UNIPAK, Dual Arc Lamp, Dome Reflector
D2 = UNIPAK, Dual Arc Lamp, Angle Reflector
U = UNIPAK, No Lamp

⑫ Fusing Options
F = Single Fuse Block with Fuse
FF = Double Fuse Block with Fuse

⑬ NEMA Lamp Wattage Decal
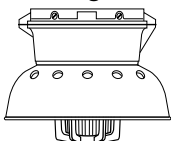N = NEMA Lamp Wattage Decal on Housing

⑭ CSA Certification
C = CSA Nameplate (consult factory)

* See page D9 for T-Code Rating
† See pages D6 and D7 for Ratings on Specific Wattages.

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UNIPAK, HazVertor™ Options

Hazlux® 3
Mogul

50 - 400 Watts

(U L)

- UL 844
- Class I, Division 2, Groups A, B, C, D*
- Class II, Division 1&2, Groups E, F, G; Class III†
- Enclosed and Gasketed
- UL 1598, Suitable for Wet Locations
- Marine
- NEMA 4X

D

Hazlux®

UNIPAK® Packaging

Hazlux 3 fixtures ordered with the UNIPAK® packaging option will be completely assembled with lamp (and with mounting cover and/or reflector, if specified) and shipped in one carton. Each fixture assembly is foamed in place in the carton to insure zero transit damage. Receiving, handling, storing, identification, assembly, and component matching are all made easier by this common sense approach to manufacturing and shipping.

Use the Catalog Numbering codes (Position #11) to add UNIPAK® with lamp packaging to any make-to-order Hazlux 3 assembly, or refer to the table below to order the most commonly used Hazlux 3 UNIPAK® assemblies from our finished goods inventories!

Benefits of UNIPAK® Packaging:

✓ Fewer cartons to receive.
✓ Fewer cartons to store.
✓ Reduced jobsite material handling costs
✓ Lower installation labor costs.
✓ No chance of Lamp/Ballast mismatch in field.
✓ No waiting around for fixtures.

Check stock quantities on-line by calling your Hazlux Sales Representative or Hazlux Quotations at 1-800-888-0211.

Hazlux 3 UNIPAK® with Lamp Fixture Assemblies
(Order Mounting Covers, Reflectors Separately)

| Hazlux 3 UNIPAK, Description	Catalog No.
70W HPS with Globe, Guard, Lamp	**DS007H040-TGL-E**
100W HPS with Globe, Guard, Lamp	**DS010H040-TGL-E**
150W HPS with Globe, Guard, Lamp	**DS015H040-TGL-E**
175W MH with Globe, Guard, Lamp	**DH017C040-TGL-E**
150W HPS with Type V Refractor Globe, Guard, Lamp	**DS015H04R-R5P-E**

HazVertor™ Adapter Ring

The HazVertor Ring is a UL listed adapter ring which gives you the freedom to replace Crouse-Hinds® VMV, LMV, and DMV series Champ® lighting fixtures with Hazlux 3 fixtures — *without removing the Crouse-Hinds mounting top hat from the conduit system.*

Just Look at the Advantages:

- Increase energy efficiency and lumen output by upgrading from mercury vapor to metal halide or high pressure sodium.
- Utilize Hazlux threaded glass refractors for improved light distribution.
- Obtain Class II hazardous dust listings in any wattage.
- Utilize glass refractors in Class II locations.
- Obtain cooler T-numbers and improved photometric performance in many cases.

Easy to Order. Easy to Install. UL Listed. For Use with ANY Hazlux® 3 Fixture.
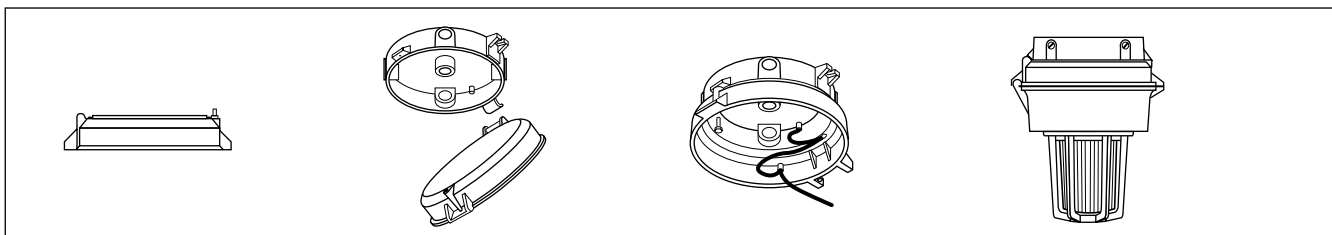
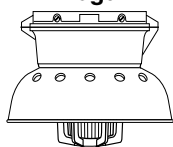Crouse-Hinds® and Champ® are registered trademarks of Cooper Industries, Inc.
* See page D9 for T-Code Rating
† See page D6 and D7 for Ratings on Specific Wattages.
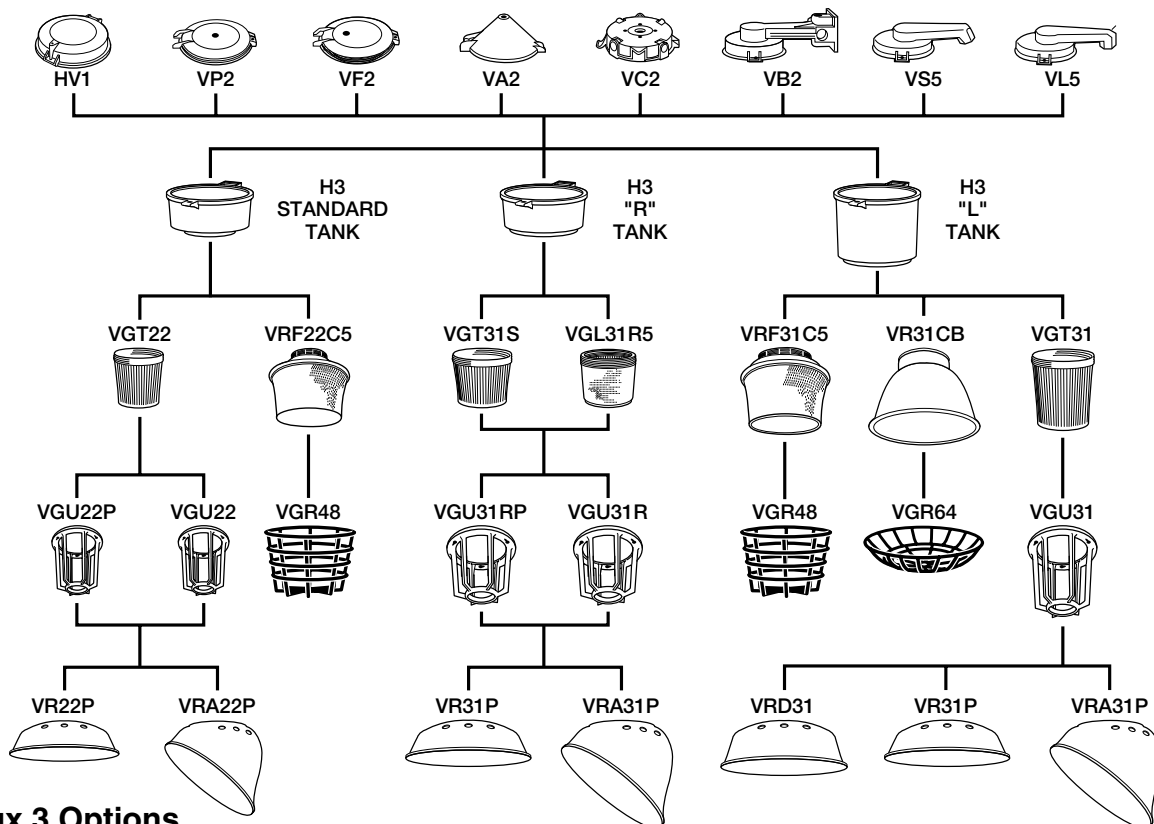
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Fixture Components	*Hazlux® 3* **Mogul** **50 - 400 Watts**	(UL)	• UL 844 • Class I, Division 2, Groups A, B, C, D* • Class II, Division 1&2, Groups E, F, G; Class III† • Enclosed and Gasketed • UL 1598, Suitable for Wet Locations • Marine • NEMA 4X

D

Hazlux®

HV1   VP2   VF2   VA2   VC2   VB2   VS5   VL5

H3 STANDARD TANK   H3 "R" TANK   H3 "L" TANK

VGT22   VRF22C5   VGT31S   VGL31R5   VRF31C5   VR31CB   VGT31

VGU22P   VGU22   VGR48   VGU31RP   VGU31R   VGR48   VGR64   VGU31

VR22P   VRA22P   VR31P   VRA31P   VRD31   VR31P   VRA31P

Hazlux 3 Options

The options listed below plus many more are available with Hazlux 3 fixtures. Refer to the "Catalog Numbering System" section and "Ordering Information" pages of this brochure for ordering details.

- **Instant Restart (50-150W HPS)**
  Allows high pressure sodium lamp to be immediately restarted after a momentary power outage.

- **Auxiliary Quartz Circuit - All**
  Fixture provided with 120 volt 100 watt quartz lamp circuit. Quartz lamp will operate during HID warm-up period, or when HID lamp cools down before restarting. (T-Rating = 625°C)

- **NEMA Lamp Wattage Decal - All**
  Adhesive backed lamp wattage decal is provided on ballast housing exterior to clearly indicate wattage for relamping and maintenance.

- **Auto Shutoff Option (50-150W HPS)**
  Auto shutoff device prevents starter failure by disabling the starter circuit in case of cycling or defective HPS lamp. (Not for use with instant restart option.)

- **50 Hertz Ballasts (Most Hazlux 3 Fixtures)**
  50 hertz ballasts in a variety of voltages can be furnished for international voltage systems.

- **Tuffskin® Coated Glass Globes (All Globes)**
  Tuffskin silicone coating contains glass particles in case of breakage; prevents glass from contaminating process areas.

- **HazCote™ Custom Corrosion Resistant Coating (All)**
  Custom chemical coating provides even higher degree of corrosion protection for cast aluminum parts. For use in highly corrosive environments.

- **Dual Arc Tube Lamps (HPS)**
  Provide standby/immediate restart capabilities.

- **Stainless Steel Inserts (All)**
  Stainless steel inserts for guard screws and ballast housing closure screw eliminate possiblility of galvanic corrosion between stainless steel screws and aluminum parts.

- **UNIPAK® Packaging (All)**
  UNIPAK packaging means that fixtures are completely assembled — with lamp — and foamed in one carton. Saves labor, handling, storage, and reduces total installed cost per fixture. See UNIPAK section of this brochure.

- **HazVertor® Adapter Ring**
  UL Listed adapter ring enables quick, easy, UL listed retrofit of Crouse-Hinds® VMV, LMV, and DMV series Champ® fixtures. See HazVertor section of this brochure.

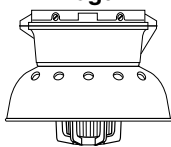Crouse-Hinds® and Champ® are registered trademarks of Cooper Industries, Inc.

* See page D9 for T-Code Rating

† See page D6 and D7 for Ratings on Specific Wattages.

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Fixture Selection Process

Hazlux® 3
Mogul

50 - 400 Watts

(UL)

- UL 844
- Class I, Division 2, Groups A, B, C, D*
- Class II, Division 1&2, Groups E, F, G; Class III†
- Enclosed and Gasketed
- UL 1598, Suitable for Wet Locations
- Marine
- NEMA 4X

D

Hazlux®

STEP 1:
Select Ballast Housing from this column.

Based on:
- Lamp type and wattage
- Desired optical assembly.

STEP 2:
Select Optical Assembly from this column.

Based on:
- Lighting distribution
- T-number requirements

STEP 3:
Select Catalog Number for Complete Fixture Assembly from pages shown in this column.

Standard Tank Ballast Housing
(Shallow Tank, 5-1/2" Thread)
HPS   50W - 150W
MH   70W - 250W
MV 100W - 250W

VGT22 Series Globe
(Standard 5-1/2" Diameter Globe) → D74 & D75

VFR22 Series Refractor
(12" Diameter Refractor) → D76 & D77

"R" Tank Ballast Housing
(Shallow Tank, 7-3/4" Thread)
HPS   50W - 150W
MH   70W - 250W
MV 100W - 250W

VGT31S Series Globe
(7-3/4" Diameter Globe) → D80 & D81

VGL31R Series Refractor
(7-3/4" Diameter Refractor Globe) → D78 & D79

"L" Tank Ballast Housing
(Deep Tank, 7-3/4" Thread)
HPS 200W - 400W
MH 400W
MV 400W

VGT31 Series Globe
(Large Globe - 7-3/4" Diameter) → D82 & D83

VRF31 Series Refractor
(12" Diameter Refractor) → D84 & D85

VR31CB Series
Closed Bottom Reflector
(16" Diameter High Bay Reflector) → D84 & D85

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* See page D9 for T-Code Rating

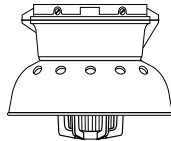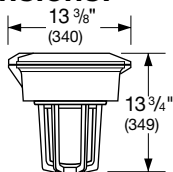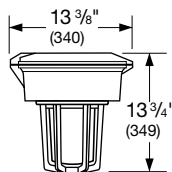† See page D6 and D7 for Ratings on Specific Wattages.

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Standard Ballast Housing

With Globe and Guard

Hazlux® 3
Mogul

50 - 250 Watts

- UL 844
- Class I, Division 2, Groups A, B, C, D*
- Class II, Division 1&2, Groups E, F, G; Class III†
- Enclosed and Gasketed
- UL 1598, Suitable for Wet Locations
- Marine
- NEMA 4X

D

Hazlux®

	Lamp Watts	Hub Size	Rigid Pendant Catalog Number	Flex. Pendant Catalog Number	Cone Pendant Catalog Number	Ceiling Catalog Number	Wall Catalog Number
High Pressure Sodium	50	3/4"	DS005H120-GGL-P2-U	DS005H120-GGL-F2	DS005H120-GGL-A2	DS005H120-GGL-C2	DS005H120-GGL-B2
		1"	DS005H120-GGL-P3-U	DS005H120-GGL-F3	DS005H120-GGL-A3	DS005H120-GGL-C3	DS005H120-GGL-B3
	70	3/4"	DS007H040-TGL-P2-U	DS007H040-TGL-F2	DS007H040-TGL-A2	DS007H040-TGL-C2	DS007H040-TGL-B2
		1"	DS007H040-TGL-P3-U	DS007H040-TGL-F3	DS007H040-TGL-A3	DS007H040-TGL-C3	DS007H040-TGL-B3
	100	3/4"	DS010H040-TGL-P2-U	DS010H040-TGL-F2	DS010H040-TGL-A2	DS010H040-TGL-C2	DS010H040-TGL-B2
		1"	DS010H040-TGL-P3-U	DS010H040-TGL-F3	DS010H040-TGL-A3	DS010H040-TGL-C3	DS010H040-TGL-B3
	150	3/4"	DS015H040-TGL-P2-U	DS015H040-TGL-F2	DS015H040-TGL-A2	DS015H040-TGL-C2	DS015H040-TGL-B2
		1"	DS015H040-TGL-P3-U	DS015H040-TGL-F3	DS015H040-TGL-A3	DS015H040-TGL-C3	DS015H040-TGL-B3
Metal Halide	70	3/4"	DH007H030-TGL-P2-U	DH007H030-TGL-F2	DH007H030-TGL-A2	DH007H030-TGL-C2	DH007H030-TGL-B2
		1"	DH007H030-TGL-P3-U	DH007H030-TGL-F3	DH007H030-TGL-A3	DH007H030-TGL-C3	DH007H030-TGL-B3
	100	3/4"	DH010H040-TGL-P2-U	DH010H040-TGL-F2	DH010H040-TGL-A2	DH010H040-TGL-C2	DH010H040-TGL-B2
		1"	DH010H040-TGL-P3-U	DH010H040-TGL-F3	DH010H040-TGL-A3	DH010H040-TGL-C3	DH010H040-TGL-B3
	175	3/4"	DH017C040-TGL-P2-U	DH017C040-TGL-F2	DH017C040-TGL-A2	DH017C040-TGL-C2	DH017C040-TGL-B2
		1"	DH017C040-TGL-P3-U	DH017C040-TGL-F3	DH017C040-TGL-A3	DH017C040-TGL-C3	DH017C040-TGL-B3
	250	3/4"	DH025C040-TGL-P2-U	DH025C040-TGL-F2	DH025C040-TGL-A2	DH025C040-TGL-C2	DH025C040-TGL-B2
		1"	DH025C040-TGL-P3-U	DH025C040-TGL-F3	DH025C040-TGL-A3	DH025C040-TGL-C3	DH025C040-TGL-B3
Mercury Vapor	100	3/4"	DM010H040-TGL-P2-U	DM010H040-TGL-F2	DM010H040-TGL-A2	DM010H040-TGL-C2	DM010H040-TGL-B2
		1"	DM010H040-TGL-P3-U	DM010H040-TGL-F3	DM010H040-TGL-A3	DM010H040-TGL-C3	DM010H040-TGL-B3
	175	3/4"	DM017C040-TGL-P2-U	DM017C040-TGL-F2	DM017C040-TGL-A2	DM017C040-TGL-C2	DM017C040-TGL-B2
		1"	DM017C040-TGL-P3-U	DM017C040-TGL-F3	DM017C040-TGL-A3	DM017C040-TGL-C3	DM017C040-TGL-B3
	250	3/4"	DM025C040-TGL-P2-U	DM025C040-TGL-F2	DM025C040-TGL-A2	DM025C040-TGL-C2	DM025C040-TGL-B2
		1"	DM025C040-TGL-P3-U	DM025C040-TGL-F3	DM025C040-TGL-A3	DM025C040-TGL-C3	DM025C040-TGL-B3

Dimensions:

Rigid Pendant — 13 3/8" (340), 13 3/4" (349)
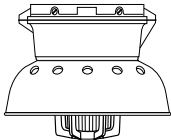
Flexible Pendant — 13 3/8" (340), 13 3/4" (349)

Cone Pendant — 13 3/8" (340), 18 11/32" (466)

Ceiling — 13 3/8" (340), 14 1/2" (368)

Wall — 14 7/8" (378), 16 3/4" (425)
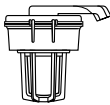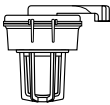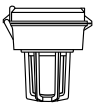
* See page D9 for T-Code Rating

† See page D6 and D7 for Ratings on Specific Wattages.

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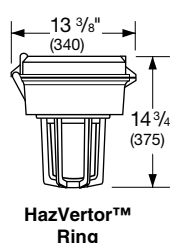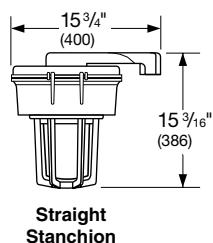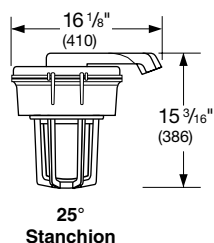© 2002 Thomas & Betts Corporation. Specifications are subject to change without notice. **www.tnb.com**

Standard Ballast Housing

With Globe and Guard

Hazlux® 3

50 - 250 Watts

(UL)

• UL 844
• Class I, Division 2, Groups A, B, C, D*
• Class II, Division 1&2, Groups E, F, G; Class III†
• Enclosed and Gasketed
• UL 1598, Suitable for Wet Locations
• Marine
• NEMA 4X

	Lamp Watts	Hub Size	25° Stanchion Catalog Number	Straight Stanchion Catalog Number	HazVertor™ Ring Catalog Number
High Pressure Sodium	50	1-1/4" 1-1/2"	DS005H120-GGL-S4-U DS005H120-GGL-S5-U	DS005H120-GGL-L4 DS005H120-GGL-L5	DS005H120-GGL-HV1
	70	1-1/4" 1-1/2"	DS007H040-TGL-S4-U DS007H040-TGL-S5-U	DS007H040-TGL-L4 DS007H040-TGL-L5	DS007H040-TGL-HV1
	100	1-1/4" 1-1/2"	DS010H040-TGL-S4-U DS010H040-TGL-S5-U	DS010H040-TGL-L4 DS010H040-TGL-L5	DS010H040-TGL-HV1
	150	1-1/4" 1-1/2"	DS015H040-TGL-S4-U DS015H040-TGL-S5-U	DS015H040-TGL-L4 DS015H040-TGL-L5	DS015H040-TGL-HV1
Metal Halide	70	1-1/4" 1-1/2"	DH007H030-TGL-S4-U DH007H030-TGL-S5-U	DH007H030-TGL-L4 DH007H030-TGL-L5	DH007H030-TGL-HV1
	100	1-1/4" 1-1/2"	DH010H040-TGL-S4-U DH010H040-TGL-S5-U	DH010H040-TGL-L4 DH010H040-TGL-L5	DH010H040-TGL-HV1
	175	1-1/4" 1-1/2"	DH017C040-TGL-S4-U DH017C040-TGL-S5-U`	DH017C040-TGL-L4 DH017C040-TGL-L5	DH017C040-TGL-HV1
	250	1-1/4" 1-1/2"	DH025C040-TGL-S4-U DH025C040-TGL-S5-U	DH025C040-TGL-L4 DH025C040-TGL-L5	DH025C040-TGL-HV1
Mercury Vapor	100	1-1/4" 1-1/2"	DM010H040-TGL-S4-U DM010H040-TGL-S5-U	DM010H040-TGL-L4 DM010H040-TGL-L5	DM010H040-TGL-HV1
	175	1-1/4" 1-1/2"	DM017C040-TGL-S4-U DM017C040-TGL-S5-U	DM017C040-TGL-L4 DM017C040-TGL-L5	DM017C040-TGL-HV1
	250	1-1/4" 1-1/2"	DM025C040-TGL-S4-U DM025C040-TGL-S5-U	DM025C040-TGL-L4 DM025C040-TGL-L5	DM025C040-TGL-HV1

Ordering Notes:

1. All fixtures (except 50W HPS and 70W MH) are shown with multi-tap ballast (120, 208, 240, 277V). To order 480V or any other dedicated voltage, substitute desired voltage code from "Catalog Numbering System" on page D70. Example: For 100W HPS, 480V, substitute "H48" for "H04" - DS010H480-TGL-P2.

2. All fixtures are for use with mogul base lamps. Lamps are not included unless "UNIPAK® with Lamp" packaging is specified. See Note D71.

3. To order Hazlux 3 fixtures with "UNIPAK® with Lamp" packaging, add "E" to the end of the catalog number. Example: DH017C040-TGL-S5E. See page D76 for details.

4. Refer to "Note Regarding Glass Globes and Refractors" on page D5 for hose-down information.

5. Fixtures are shown with guard. To order fixture without guard, change "TGL" to "TG." Example: DH017C040-TG-C2.

6. Refer to page D70 for Hazlux 3 Options, and page D86-D88 for Hazlux 3 Accessories and Parts.

Dimensions:

16 1/8" (410) — 15 3/16" (386)

25° Stanchion

15 3/4" (400) — 15 3/16" (386)

Straight Stanchion

13 3/8" (340) — 14 3/4" (375)

HazVertor™ Ring

* See page D9 for T-Code Rating
† See page D6 and D7 for Ratings on Specific Wattages.

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Standard Ballast Housing

With 12" Refractor and Guard
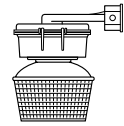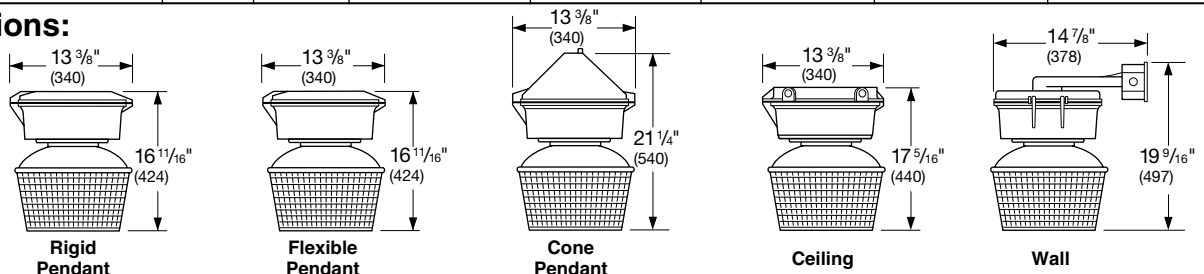
Hazlux® 3

50 - 250 Watts

- UL 844
- Class I, Division 2, Groups A, B, C, D*
- Class II, Division 1&2, Groups E, F, G; Class III†
- Enclosed and Gasketed
- UL 1598, Suitable for Wet Locations
- Marine
- NEMA 4X

D

Hazlux®

	Lamp Watts	Hub Size	Rigid Pendant Catalog Number	Flex. Pendant Catalog Number	Cone Pendant Catalog Number	Ceiling Catalog Number	Wall Catalog Number
High Pressure Sodium	50	3/4"	DS005H120-R5G-P2-U	DS005H120-R5G-F2	DS005H120-R5G-A2	DS005H120-R5G-C2	DS005H120-R5G-B2
		1"	DS005H120-R5G-P3-U	DS005H120-R5G-F3	DS005H120-R5G-A3	DS005H120-R5G-C3	DS005H120-R5G-B3
	70	3/4"	DS007H040-R5G-P2-U	DS007H040-R5G-F2	DS007H040-R5G-A2	DS007H040-R5G-C2	DS007H040-R5G-B2
		1"	DS007H040-R5G-P3-U	DS007H040-R5G-F3	DS007H040-R5G-A3	DS007H040-R5G-C3	DS007H040-R5G-B3
	100	3/4"	DS010H040-R5G-P2-U	DS010H040-R5G-F2	DS010H040-R5G-A2	DS010H040-R5G-C2	DS010H040-R5G-B2
		1"	DS010H040-R5G-P3-U	DS010H040-R5G-F3	DS010H040-R5G-A3	DS010H040-R5G-C3	DS010H040-R5G-B3
	150	3/4"	DS015H040-R5G-P2-U	DS015H040-R5G-F2	DS015H040-R5G-A2	DS015H040-R5G-C2	DS015H040-R5G-B2
		1"	DS015H040-R5G-P3-U	DS015H040-R5G-F3	DS015H040-R5G-A3	DS015H040-R5G-C3	DS015H040-R5G-B3
Metal Halide	70	3/4"	DH007H030-R5G-P2-U	DH007H030-R5G-F2	DH007H030-R5G-A2	DH007H030-R5G-C2	DH007H030-R5G-B2
		1"	DH007H030-R5G-P3-U	DH007H030-R5G-F3	DH007H030-R5G-A3	DH007H030-R5G-C3	DH007H030-R5G-B3
	100	3/4"	DH010H040-R5G-P2-U	DH010H040-R5G-F2	DH010H040-R5G-A2	DH010H040-R5G-C2	DH010H040-R5G-B2
		1"	DH010H040-R5G-P3-U	DH010H040-R5G-F3	DH010H040-R5G-A3	DH010H040-R5G-C3	DH010H040-R5G-B3
	175	3/4"	DH017C040-R5G-P2-U	DH017C040-R5G-F2	DH017C040-R5G-A2	DH017C040-R5G-C2	DH017C040-R5G-B2
		1"	DH017C040-R5G-P3-U	DH017C040-R5G-F3	DH017C040-R5G-A3	DH017C040-R5G-C3	DH017C040-R5G-B3
	250	3/4"	DH025C040-R5G-P2-U	DH025C040-R5G-F2	DH025C040-R5G-A2	DH025C040-R5G-C2	DH025C040-R5G-B2
		1"	DH025C040-R5G-P3-U	DH025C040-R5G-F3	DH025C040-R5G-A3	DH025C040-R5G-C3	DH025C040-R5G-B3
Mercury Vapor	100	3/4"	DM010H040-R5G-P2-U	DM010H040-R5G-F2	DM010H040-R5G-A2	DM010H040-R5G-C2	DM010H040-R5G-B2
		1"	DM010H040-R5G-P3-U	DM010H040-R5G-F3	DM010H040-R5G-A3	DM010H040-R5G-C3	DM010H040-R5G-B3
	175	3/4"	DM017C040-R5G-P2-U	DM017C040-R5G-F2	DM017C040-R5G-A2	DM017C040-R5G-C2	DM017C040-R5G-B2
		1"	DM017C040-R5G-P3-U	DM017C040-R5G-F3	DM017C040-R5G-A3	DM017C040-R5G-C3	DM017C040-R5G-B3
	250	3/4"	DM025C040-R5G-P2-U	DM025C040-R5G-F2	DM025C040-R5G-A2	DM025C040-R5G-C2	DM025C040-R5G-B2
		1"	DM025C040-R5G-P3-U	DM025C040-R5G-F3	DM025C040-R5G-A3	DM025C040-R5G-C3	DM025C040-R5G-B3

Dimensions:

Rigid Pendant
13 3/8" (340)
16 11/16" (424)

Flexible Pendant
13 3/8" (340)
16 11/16" (424)

Cone Pendant
13 3/8" (340)
21 1/4" (540)

Ceiling
13 3/8" (340)
17 5/16" (440)

Wall
14 7/8" (378)
19 9/16" (497)

* See page D9 for T-Code Rating
† See page D6 and D7 for Ratings on Specific Wattages.

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Standard Ballast Housing
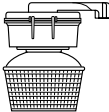### With 12" Refractor and Guard
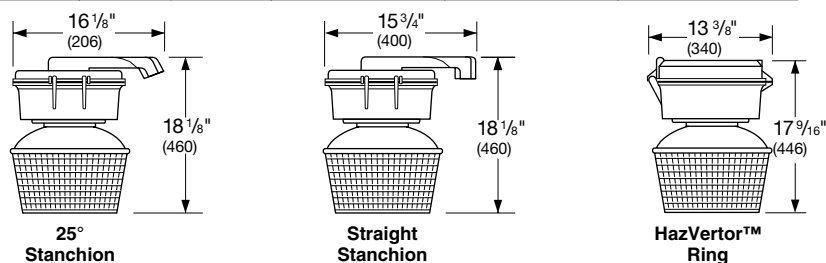
Hazlux® 3

50 - 250 Watts

(UL)

- UL 844
- Class I, Division 2, Groups A, B, C, D*
- Class II, Division 1&2, Groups E, F, G; Class III†
- Enclosed and Gasketed
- UL 1598, Suitable for Wet Locations
- Marine
- NEMA 4X

	Lamp Watts	Hub Size	25° Stanchion Catalog Number	Straight Stanchion Catalog Number	HazVertor™ Ring Catalog Number
High Pressure Sodium	50	1-1/4"	DS005H120-R5G-S4-U	DS005H120-R5G-L4	DS005H120-R5G-HV1
		1-1/2"	DS005H120-R5G-S5-U	DS005H120-R5G-L5	
	70	1-1/4"	DS007H040-R5G-S4-U	DS007H040-R5G-L4	DS007H040-R5G-HV1
		1-1/2"	DS007H040-R5G-S5-U	DS007H040-R5G-L5	
	100	1-1/4"	DS010H040-R5G-S4-U	DS010H040-R5G-L4	DS010H040-R5G-HV1
		1-1/2"	DS010H040-R5G-S55-U	DS010H040-R5G-L5	
	150	1-1/4"	DS015H040-R5G-S4-U	DS015H040-R5G-L4	DS015H040-R5G-HV1
		1-1/2"	DS015H040-R5G-S5-U	DS015H040-R5G-L5	
Metal Halide	70	1-1/4"	DH007H030-R5G-S4-U	DH007H030-R5G-L4	DH007H030-R5G-HV1
		1-1/2"	DH007H030-R5G-S5-U	DH007H030-R5G-L5	
	100	1-1/4"	DH010H040-R5G-S4-U	DH010H040-R5G-L4	DH010H040-R5G-HV1
		1-1/2"	DH010H040-R5G-S5-U	DH010H040-R5G-L5	
	175	1-1/4"	DH017C040-R5G-S4-U	DH017C040-R5G-L4	DH017C040-R5G-HV1
		1-1/2"	DH017C040-R5G-S5-U`	DH017C040-R5G-L5	
	250	1-1/4"	DH025C040-R5G-S4-U	DH025C040-R5G-L4	DH025C040-R5G-HV1
		1-1/2"	DH025C040-R5G-S5-U	DH025C040-R5G-L5	
Mercury Vapor	100	1-1/4"	DM010H040-R5G-S4-U	DM010H040-R5G-L4	DM010H040-R5G-HV1
		1-1/2"	DM010H040-R5G-S5-U	DM010H040-R5G-L5	
	175	1-1/4"	DM017C040-R5G-S4-U	DM017C040-R5G-L4	DM017C040-R5G-HV1
		1-1/2"	DM017C040-R5G-S5-U	DM017C040-R5G-L5	
	250	1-1/4"	DM025C040-R5G-S4-U	DM025C040-R5G-L4	DM025C040-R5G-HV1
		1-1/2"	DM025C040-R5G-S5-U	DM025C040-R5G-L5	

Ordering Notes:

1. All fixtures (except 50W HPS and 70W MH) are shown with multi-tap ballast (120, 208, 240, 277V). To order 480V or any other dedicated voltage, substitute desired voltage code from "Catalog Numbering System" on page D70. Example: For 100W HPS, 480V, substitute "H48" for "H04" - DS010H480-R5G-P2.

2. All fixtures are for use with mogul base lamps. Lamps are not included unless "UNIPAK® with Lamp" packaging is specified. See Note D71.

3. To order Hazlux 3 fixtures with "UNIPAK® with Lamp" packaging, add "E" to the end of the catalog number. Example: DH017C040-R5G-S5E. See page D76 for details.

4. Verify hazardous location suitability or contact Hazlux for additional information.

5. Refer to "Note Regarding Glass Globes and Refractors" on page D5 for hose-down information.

6. Fixtures are shown with IES Type V refractor for symmetrical light distribution. To order with IES Type II refractor, substitute "R2G" for "R5G" in catalog number. Example: DS015H040-R2G-L5.

7. Fixtures are shown with guard. To order fixture without guard, change "R5G" to "R5." Example: DH017C040-R5-C2.

8. Refer to page D70 for Hazlux 3 Options, and page D86-D88 for Hazlux 3 Accessories and Parts.
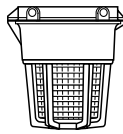
Dimensions:

16 1/8" (206) — 18 1/8" (460)
25° Stanchion

15 3/4" (400) — 18 1/8" (460)
Straight Stanchion

13 3/8" (340) — 17 9/16" (446)
HazVertor™ Ring

* See page D9 for T-Code Rating

† See page D6 and D7 for Ratings on Specific Wattages.

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R-Tank Ballast Housing

With 7-3/4" Refractor and Guard
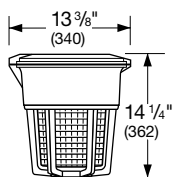
Hazlux® 3

50 - 250 Watts

- UL 844
- Class I, Division 2, Groups A, B, C, D*
- Class II, Division 1&2, Groups E, F, G; Class III†
- Enclosed and Gasketed
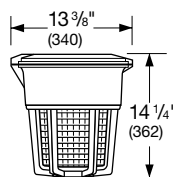- UL 1598, Suitable for Wet Locations
- Marine
- NEMA 4X

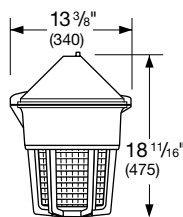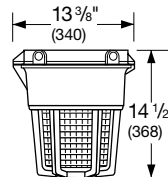|	Lamp Watts	Hub Size	Rigid Pendant Catalog Number	Flex. Pendant Catalog Number	Cone Pendant Catalog Number	Ceiling Catalog Number	Wall Catalog Number
High Pressure Sodium	50	3/4"	DS005H12R-R5P-P2-U	DS005H12R-R5P-F2	DS005H12R-R5P-A2	DS005H12R-R5P-C2	DS005H12R-R5P-B2
		1"	DS005H12R-R5P-P3-U	DS005H12R-R5P-F3	DS005H12R-R5P-A3	DS005H12R-R5P-C3	DS005H12R-R5P-B3
	70	3/4"	DS007H04R-R5P-P2-U	DS007H04R-R5P-F2	DS007H04R-R5P-A2	DS007H04R-R5P-C2	DS007H04R-R5P-B2
		1"	DS007H04R-R5P-P3-U	DS007H04R-R5P-F3	DS007H04R-R5P-A3	DS007H04R-R5P-C3	DS007H04R-R5P-B3
	100	3/4"	DS010H04R-R5P-P2-U	DS010H04R-R5P-F2	DS010H04R-R5P-A2	DS010H04R-R5P-C2	DS010H04R-R5P-B2
		1"	DS010H04R-R5P-P3-U	DS010H04R-R5P-F3	DS010H04R-R5P-A3	DS010H04R-R5P-C3	DS010H04R-R5P-B3
	150	3/4"	DS015H04R-R5P-P2-U	DS015H04R-R5P-F2	DS015H04R-R5P-A2	DS015H04R-R5P-C2	DS015H04R-R5P-B2
		1"	DS015H04R-R5P-P3-U	DS015H04R-R5P-F3	DS015H04R-R5P-A3	DS015H04R-R5P-C3	DS015H04R-R5P-B3
Metal Halide	70	3/4"	DH007H03R-R5P-P2-U	DH007H03R-R5P-F2	DH007H03R-R5P-A2	DH007H03R-R5P-C2	DH007H03R-R5P-B2
		1"	DH007H03R-R5P-P3-U	DH007H03R-R5P-F3	DH007H03R-R5P-A3	DH007H03R-R5P-C3	DH007H03R-R5P-B3
	100	3/4"	DH010H04R-R5P-P2-U	DH010H04R-R5P-F2	DH010H04R-R5P-A2	DH010H04R-R5P-C2	DH010H04R-R5P-B2
		1"	DH010H04R-R5P-P3-U	DH010H04R-R5P-F3	DH010H04R-R5P-A3	DH010H04R-R5P-C3	DH010H04R-R5P-B3
	175	3/4"	DH017C04R-R5P-P2-U	DH017C04R-R5P-F2	DH017C04R-R5P-A2	DH017C04R-R5P-C2	DH017C04R-R5P-B2
		1"	DH017C04R-R5P-P3-U	DH017C04R-R5P-F3	DH017C04R-R5P-A3	DH017C04R-R5P-C3	DH017C04R-R5P-B3
	250	3/4"	DH025C04R-R5P-P2-U	DH025C04R-R5P-F2	DH025C04R-R5P-A2	DH025C04R-R5P-C2	DH025C04R-R5P-B2
		1"	DH025C04R-R5P-P3-U	DH025C04R-R5P-F3	DH025C04R-R5P-A3	DH025C04R-R5P-C3	DH025C04R-R5P-B3
Mercury Vapor	100	3/4"	DM010H04R-R5P-P2-U	DM010H04R-R5P-F2	DM010H04R-R5P-A2	DM010H04R-R5P-C2	DM010H04R-R5P-B2
		1"	DM010H04R-R5P-P3-U	DM010H04R-R5P-F3	DM010H04R-R5P-A3	DM010H04R-R5P-C3	DM010H04R-R5P-B3
	175	3/4"	DM017C04R-R5P-P2-U	DM017C04R-R5P-F2	DM017C04R-R5P-A2	DM017C04R-R5P-C2	DM017C04R-R5P-B2
		1"	DM017C04R-R5P-P3-U	DM017C04R-R5P-F3	DM017C04R-R5P-A3	DM017C04R-R5P-C3	DM017C04R-R5P-B3
	250	3/4"	DM025C04R-R5P-P2-U	DM025C04R-R5P-F2	DM025C04R-R5P-A2	DM025C04R-R5P-C2	DM025C04R-R5P-B2
		1"	DM025C04R-R5P-P3-U	DM025C04R-R5P-F3	DM025C04R-R5P-A3	DM025C04R-R5P-C3	DM025C04R-R5P-B3

Dimensions:

Rigid Pendant — 13 3/8" (340), 14 1/4" (362)
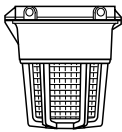
Flexible Pendant — 13 3/8" (340), 14 1/4" (362)

Cone Pendant — 13 3/8" (340), 18 11/16" (475)

Ceiling — 13 3/8" (340), 14 1/2" (368)
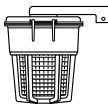
Wall — 14 7/8" (378), 16 5/8" (422)

* See page D9 for T-Code Rating

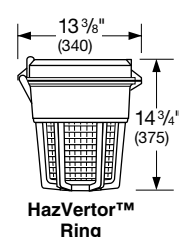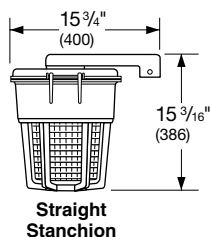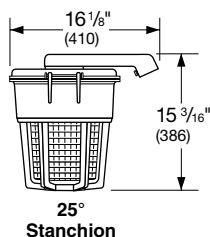† See page D6 and D7 for Ratings on Specific Wattages.

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R-Tank Ballast Housing
With 7-3/4" Refractor and Guard

Hazlux® 3

50 - 250 Watts

- UL 844
- Class I, Division 2, Groups A, B, C, D*
- Class II, Division 1&2, Groups E, F, G; Class III†
- Enclosed and Gasketed
- UL 1598, Suitable for Wet Locations
- Marine
- NEMA 4X

D

Hazlux®

	Lamp Watts	Hub Size	25° Stanchion Catalog Number	Straight Stanchion Catalog Number	HazVertor™ Ring Catalog Number
High Pressure Sodium	50	1-1/4' 1-1/2"	DS005H12R-R5P-S4-U DS005H12R-R5P-S5-U	DS005H12R-R5P-L4 DS005H12R-R5P-L5	DS005H12R-R5P-HV1
	70	1-1/4" 1-1/2"	DS007H04R-R5P-S4-U DS007H04R-R5P-S5-U	DS007H04R-R5P-L4 DS007H04R-R5P-L5	DS007H04R-R5P-HV1
	100	1-1/4" 1-1/2"	DS010H04R-R5P-S4-U DS010H04R-R5P-S5-U	DS010H04R-R5P-L4 DS010H04R-R5P-L5	DS010H04R-R5P-HV1
	150	1-1/4" 1-1/2"	DS015H04R-R5P-S4-U DS015H04R-R5P-S5-U	DS015H04R-R5P-L4 DS015H04R-R5P-L5	DS015H04R-R5P-HV1
Metal Halide	70	1-1/4" 1-1/2"	DH007H03R-R5P-S4-U DH007H03R-R5P-S5-U	DH007H03R-R5P-L4 DH007H03R-R5P-L5	DH007H03R-R5P-HV1
	100	1-1/4" 1-1/2"	DH010H04R-R5P-S4-U DH010H04R-R5P-S5-U	DH010H04R-R5P-L4 DH010H04R-R5P-L5	DH010H04R-R5P-HV1
	175	1-1/4" 1-1/2"	DH017C04R-R5P-S4-U DH017C04R-R5P-S5`	DH017C04R-R5P-L4 DH017C04R-R5P-L5	DH017C04R-R5P-HV1
	250	1-1/4" 1-1/2"	DH025C04R-R5P-S4-U DH025C04R-R5P-S5-U	DH025C04R-R5P-L4 DH025C04R-R5P-L5	DH025C04R-R5P-HV1
Mercury Vapor	100	1-1/4" 1-1/2"	DM010H04R-R5P-S4-U DM010H04R-R5P-S5-U	DM010H04R-R5P-L4 DM010H04R-R5P-L5	DM010H04R-R5P-HV1
	175	1-1/4" 1-1/2"	DM017C04R-R5P-S4-U DM017C04R-R5P-S5-U	DM017C04R-R5P-L4 DM017C04R-R5P-L5	DM017C04R-R5P-HV1
	250	1-1/4" 1-1/2"	DM025C04R-R5P-S4-U DM025C04R-R5P-S5-U	DM025C04R-R5P-L4 DM025C04R-R5P-L5	DM025C04R-R5P-HV1

Ordering Notes:

1. All fixtures (except 50W HPS and 70W MH) are shown with multi-tap ballast (120, 208, 240, 277V). To order 480V or any other dedicated voltage, substitute desired voltage code from "Catalog Numbering System" on page D70. Example: For 100W HPS, 480V, substitute "H48" for "H04" - DS010H48R-R5P-P2.

2. All fixtures are for use with mogul base lamps. Lamps are not included unless "UNIPAK® with Lamp" packaging is specified. See Note D71.

3. To order Hazlux 3 fixtures with "UNIPAK® with Lamp" packaging, add "E" to the end of the catalog number. Example: DH017C04R-R5P-S5E. See page D71 for details.

4. Verify hazardous location suitability or contact Hazlux for additional information.

5. Refer to "Note Regarding Glass Globes and Refractors" on page D5 for hose-down information.

6. Fixtures are shown with IES Type V refractor for symmetrical light distribution. To order with IES Type I or Type III refractor, substitute "R1P" or "R3P" for "R5P" in catalog number. Example: DS015H04R-R1P-L5.

7. Fixtures are shown with guard. To order fixture without guard, change "R5P'' to "R5." Example: DH017C04R-R5-C2.

8. Refer to page D70 for Hazlux 3 Options, and page D86-D88 for Hazlux 3 Accessories and Parts.

Dimensions:

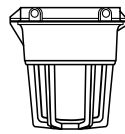16 1/8" (410) — 15 3/16" (386)
25° Stanchion

15 3/4" (400) — 15 3/16" (386)
Straight Stanchion

13 3/8" (340) — 14 3/4" (375)
HazVertor™ Ring

* See page D9 for T-Code Rating

† See page D6 and D7 for Ratings on Specific Wattages.

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R-Tank Ballast Housing
With 7-3/4" Globe and Guard
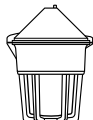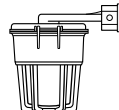
Hazlux® 3

50 - 250 Watts

- UL 844
- Class I, Division 2, Groups A, B, C, D*
- Class II, Division 1&2, Groups E, F, G; Class III†
- Enclosed and Gasketed
- UL 1598, Suitable for Wet Locations
- Marine
- NEMA 4X

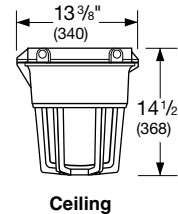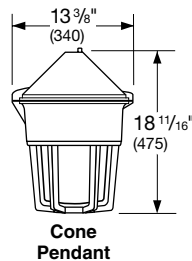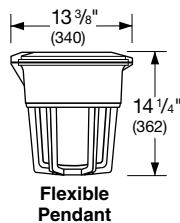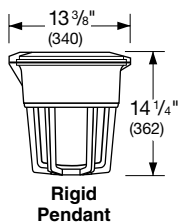|	Lamp Watts	Hub Size	Rigid Pendant Catalog Number	Flex. Pendant Catalog Number	Cone Pendant Catalog Number	Ceiling Catalog Number	Wall Catalog Number
High Pressure Sodium	50	3/4" 1"	DS005H12R-TGP-P2-U DS005H12R-TGP-P3-U	DS005H12R-TGP-F2 DS005H12R-TGP-F3	DS005H12R-TGP-A2 DS005H12R-TGP-A3	DS005H12R-TGP-C2 DS005H12R-TGP-C3	DS005H12R-TGP-B2 DS005H12R-TGP-B3
	70	3/4" 1"	DS007H04R-TGP-P2-U DS007H04R-TGP-P3-U	DS007H04R-TGP-F2 DS007H04R-TGP-F3	DS007H04R-TGP-A2 DS007H04R-TGP-A3	DS007H04R-TGP-C2 DS007H04R-TGP-C3	DS007H04R-TGP-B2 DS007H04R-TGP-B3
	100	3/4" 1"	DS010H04R-TGP-P2-U DS010H04R-TGP-P3-U	DS010H04R-TGP-F2 DS010H04R-TGP-F3	DS010H04R-TGP-A2 DS010H04R-TGP-A3	DS010H04R-TGP-C2 DS010H04R-TGP-C3	DS010H04R-TGP-B2 DS010H04R-TGP-B3
	150	3/4" 1"	DS015H04R-TGP-P2-U DS015H04R-TGP-P3-U	DS015H04R-TGP-F2 DS015H04R-TGP-F3	DS015H04R-TGP-A2 DS015H04R-TGP-A3	DS015H04R-TGP-C2 DS015H04R-TGP-C3	DS015H04R-TGP-B2 DS015H04R-TGP-B3
Metal Halide	70	3/4" 1"	DH007H03R-TGP-P2-U DH007H03R-TGP-P3-U	DH007H03R-TGP-F2 DH007H03R-TGP-F3	DH007H03R-TGP-A2 DH007H03R-TGP-A3	DH007H03R-TGP-C2 DH007H03R-TGP-C3	DH007H03R-TGP-B2 DH007H03R-TGP-B3
	100	3/4" 1"	DH010H04R-TGP-P2-U DH010H04R-TGP-P3-U	DH010H04R-TGP-F2 DH010H04R-TGP-F3	DH010H04R-TGP-A2 DH010H04R-TGP-A3	DH010H04R-TGP-C2 DH010H04R-TGP-C3	DH010H04R-TGP-B2 DH010H04R-TGP-B3
	175	3/4" 1"	DH017C04R-TGP-P2-U DH017C04R-TGP-P3-U	DH017C04R-TGP-F2 DH017C04R-TGP-F3	DH017C04R-TGP-A2 DH017C04R-TGP-A3	DH017C04R-TGP-C2 DH017C04R-TGP-C3	DH017C04R-TGP-B2 DH017C04R-TGP-B3
	250	3/4" 1"	DH025C04R-TGP-P2-U DH025C04R-TGP-P3-U	DH025C04R-TGP-F2 DH025C04R-TGP-F3	DH025C04R-TGP-A2 DH025C04R-TGP-A3	DH025C04R-TGP-C2 DH025C04R-TGP-C3	DH025C04R-TGP-B2 DH025C04R-TGP-B3
Mercury Vapor	100	3/4" 1"	DM010H04R-TGP-P2-U DM010H04R-TGP-P3-U	DM010H04R-TGP-F2 DM010H04R-TGP-F3	DM010H04R-TGP-A2 DM010H04R-TGP-A3	DM010H04R-TGP-C2 DM010H04R-TGP-C3	DM010H04R-TGP-B2 DM010H04R-TGP-B3
	175	3/4" 1"	DM017C04R-TGP-P2-U DM017C04R-TGP-P3-U	DM017C04R-TGP-F2 DM017C04R-TGP-F3	DM017C04R-TGP-A2 DM017C04R-TGP-A3	DM017C04R-TGP-C2 DM017C04R-TGP-C3	DM017C04R-TGP-B2 DM017C04R-TGP-B3
	250	3/4" 1"	DM025C04R-TGP-P2-U DM025C04R-TGP-P3-U	DM025C04R-TGP-F2 DM025C04R-TGP-F3	DM025C04R-TGP-A2 DM025C04R-TGP-A3	DM025C04R-TGP-C2 DM025C04R-TGP-C3	DM025C04R-TGP-B2 DM025C04R-TGP-B3
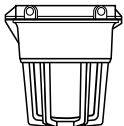
Dimensions:

Rigid Pendant — 13 3/8" (340), 14 1/4" (362)

Flexible Pendant — 13 3/8" (340), 14 1/4" (362)

Cone Pendant — 13 3/8" (340), 18 11/16" (475)

Ceiling — 13 3/8" (340), 14 1/2" (368)

Wall — 14 7/8" (377), 16 5/8" (422)

* See page D9 for T-Code Rating

† See page D6 and D7 for Ratings on Specific Wattages.

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R-Tank Ballast Housing

With 7-3/4" Globe and Guard

Hazlux® 3

50 - 250 Watts

- UL 844
- Class I, Division 2, Groups A, B, C, D*
- Class II, Division 1&2, Groups E, F, G; Class III†
- Enclosed and Gasketed
- UL 1598, Suitable for Wet Locations
- Marine
- NEMA 4X

	Lamp Watts	Hub Size	25° Stanchion Catalog Number	Straight Stanchion Catalog Number	HazVertor™ Ring Catalog Number
High Pressure Sodium	50	1-1/4" 1-1/2"	DS005H12R-TGP-S4-U DS005H12R-TGP-S5-U	DS005H12R-TGP-L4 DS005H12R-TGP-L5	DS005H12R-TGP-HV1
	70	1-1/4" 1-1/2"	DS007H04R-TGP-S4-U DS007H04R-TGP-S5-U	DS007H04R-TGP-L4 DS007H04R-TGP-L5	DS007H04R-TGP-HV1
	100	1-1/4" 1-1/2"	DS010H04R-TGP-S4-U DS010H04R-TGP-S5-U	DS010H04R-TGP-L4 DS010H04R-TGP-L5	DS010H04R-TGP-HV1
	150	1-1/4" 1-1/2"	DS015H04R-TGP-S4-U DS015H04R-TGP-S5-U	DS015H04R-TGP-L4 DS015H04R-TGP-L5	DS015H04R-TGP-HV1
Metal Halide	70	1-1/4" 1-1/2"	DH007H03R-TGP-S4-U DH007H03R-TGP-S5-U	DH007H03R-TGP-L4 DH007H03R-TGP-L5	DH007H03R-TGP-HV1
	100	1-1/4" 1-1/2"	DH010H04R-TGP-S4-U DH010H04R-TGP-S5-U	DH010H04R-TGP-L4 DH010H04R-TGP-L5	DH010H04R-TGP-HV1
	175	1-1/4" 1-1/2"	DH017C04R-TGP-S4-U DH017C04R-TGP-S5-U	DH017C04R-TGP-L4 DH017C04R-TGP-L5	DH017C04R-TGP-HV1
	250	1-1/4" 1-1/2"	DH025C04R-TGP-S4-U DH025C04R-TGP-S5-U	DH025C04R-TGP-L4 DH025C04R-TGP-L5	DH025C04R-TGP-HV1
Mercury Vapor	100	1-1/4" 1-1/2"	DM010H04R-TGP-S4-U DM010H04R-TGP-S5-U	DM010H04R-TGP-L4 DM010H04R-TGP-L5	DM010H04R-TGP-HV1
	175	1-1/4" 1-1/2"	DM017C04R-TGP-S4-U DM017C04R-TGP-S5-U	DM017C04R-TGP-L4 DM017C04R-TGP-L5	DM017C04R-TGP-HV1
	250	1-1/4" 1-1/2"	DM025C04R-TGP-S4-U DM025C04R-TGP-S5-U	DM025C04R-TGP-L4 DM025C04R-TGP-L5	DM025C04R-TGP-HV1

Ordering Notes:

1. All fixtures (except 50W HPS and 70W MH) are shown with multi-tap ballast (120, 208, 240, 277V). To order 480V or any other dedicated voltage, substitute desired voltage code from "Catalog Numbering System" on page D70. Example: For 100W HPS, 480V, substitute "H48" for "H04" - DS010H48R-TGP-P2.

2. All fixtures are for use with mogul base lamps. Lamps are not included unless "UNIPAK® with Lamp" packaging is specified. See Note D71.

3. To order Hazlux 3 fixtures with "UNIPAK® with Lamp" packaging, add "E" to the end of the catalog number. Example: DH017C04R-TGP-S5E. See page D71 for details.

4. Verify hazardous location suitability or contact Hazlux for additional information.

5. Refer to "Note Regarding Glass Globes and Refractors" on page D5 for hose-down information.

6. Fixtures are shown with guard. To order fixture without guard, change "TGP" to "TG." Example: DH017C04R-TG-C2.

7. Refer to page D70 for Hazlux 3 Options, and page D86-D88 for Hazlux 3 Accessories and Parts.

Dimensions:

16⅛" (410) — 15³⁄₁₆" (391)

25° Stanchion

15¾" (400) — 15³⁄₁₆" (386)

Straight Stanchion
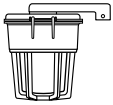
13⅜" (340) — 14¾" (375)

HazVertor™ Ring

* See page D9 for T-Code Rating

† See page D6 and D7 for Ratings on Specific Wattages.

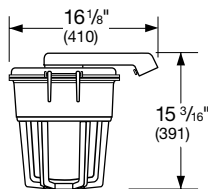**Thomas&Betts**

Large Ballast Housing
With Globe and Guard

Hazlux® 3

200 - 400 Watts

(UL)
- UL 844
- Class I, Division 2, Groups A, B, C, D*
- Class II, Division 1&2, Groups E, F, G; Class III†
- Enclosed and Gasketed
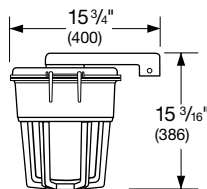- UL 1598, Suitable for Wet Locations
- Marine
- NEMA 4X

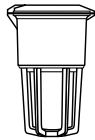|	Lamp Watts	Hub Size	Rigid Pendant Catalog Number	Cone Pendant Catalog Number	Ceiling Catalog Number	Wall Catalog Number
High Pressure Sodium	200	3/4"	DS020C04L-TGC-P2-U	DS020C04L-TGC-A2	DS020C04L-TGC-C2	DS020C04L-TGC-B2
		1"	DS020C04L-TGC-P3-U	DS020C04L-TGC-A3	DS020C04L-TGC-C3	DS020C04L-TGC-B3
	250	3/4"	DS025C04L-TGC-P2-U	DS025C04L-TGC-A2	DS025C04L-TGC-C2	DS025C04L-TGC-B2
		1"	DS025C04L-TGC-P3-U	DS025C04L-TGC-A3	DS025C04L-TGC-C3	DS025C04L-TGC-B3
	400	3/4"	DS040C04L-TGC-P2-U	DS040C04L-TGC-A2	DS040C04L-TGC-C2	DS040C04L-TGC-B2
		1"	DS040C04L-TGC-P3-U	DS040C04L-TGC-A3	DS040C04L-TGC-C3	DS040C04L-TGC-B3
Metal Halide	400	3/4"	DH040C04L-TGC-P2-U	DH040C04L-TGC-A2	DH040C04L-TGC-C2	DH040C04L-TGC-B3
		1"	DH040C04L-TGC-P3-U	DH040C04L-TGC-A3	DH040C04L-TGC-C3	DH040C04L-TGC-B3
Mercury Vapor	400	3/4"	DM040C04L-TGC-P2-U-	DM040C04L-TGC-A2	DM040C04L-TGC-C2	DM040C04L-TGC-B2
		1"	DM040C04L-TGC-P3U	DM040C04L-TGC-A3	DM040C04L-TGC-C3	DM040C04L-TGC-B3
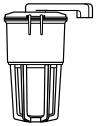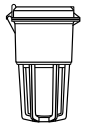
Dimensions:

Rigid Pendant — 13 3/8" (340), 9 7/8" (251), 11 5/8" (295), 21 1/2" (546)

Cone Pendant — 13 3/8" (340), 14 3/8" (365), 26" (660)

Ceiling — 13 3/8" (340), 22 1/8" (562)

Wall — 14 7/8" (378), 24 3/8" (619)

* See page D9 for T-Code Rating

† See page D6 and D7 for Ratings on Specific Wattages.

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Large Ballast Housing

With Globe and Guard

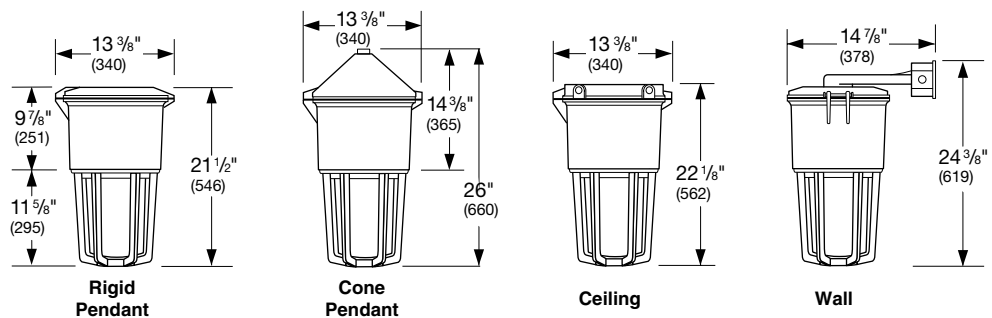## *Hazlux® 3*

200 - 400 Watts

(UL)

- UL 844
- Class I, Division 2, Groups A, B, C, D*
- Class II, Division 1&2, Groups E, F, G; Class III†
- Enclosed and Gasketed
- UL 1598, Suitable for Wet Locations
- Marine
- NEMA 4X

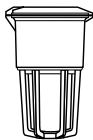|	Lamp Watts	Hub Size	25° Stanchion Catalog Number	Straight Stanchion Catalog Number	HazVertor™ Ring Catalog Number
High Pressure Sodium	200	1-1/4" 1-1/2"	DS020C04L-TGC-S4-U DS020C04L-TGC-S5-U	DS020C04L-TGC-L4 DS020C04L-TGC-L5	DS020C04L-TGC-HV1
	250	1-1/4" 1-1/2"	DS025C04L-TGC-S4-U DS025C04L-TGC-S5-U	DS025C04L-TGC-L4 DS025C04L-TGC-L5	DS025C04L-TGC-HV1
	400	1-1/4" 1-1/2"	DS040C04L-TGC-S4-U DS040C04L-TGC-S5-U	DS040C04L-TGC-L4 DS040C04L-TGC-L5	DS040C04L-TGC-HV1
Metal Halide	400	1-1/4" 1-1/2"	DH040C04L-TGC-S4-U DH040C04L-TGC-S5-U	DH040C04L-TGC-L4 DH040C04L-TGC-L5	DH040C04L-TGC-HV1
Mercury Vapor	400	1-1/4" 1-1/2"	DM040C04L-TGC-S4-U DM040C04L-TGC-S5-U	DM040C04L-TGC-L4 DM040C04L-TGC-L5	DM040C04L-TGC-HV1

Ordering Notes:

1. All fixtures are shown with multi-tap ballast (120, 208, 240, 277V). To order 480V or any other dedicated voltage, substitute desired voltage code from "Catalog Numbering System" on page D70. Example: For 400W HPS, 480V, substitute "H48" for "H04" - DS040C48L-TGC-P2.

2. All fixtures are for use with mogul base lamps. Lamps are not included unless "UNIPAK® with Lamp" packaging is specified. See Note D71.

3. To order Hazlux 3 fixtures with "UNIPAK® with Lamp" packaging, add "E" to the end fo the catalog number. Example: DH040C04L-TGC-S5E. See page D71 for details.

4. Verify hazardous location suitability or contact Hazlux for additional information.

5. Refer to "Note Regarding Glass Globes and Refractors" on page D5 for hose-down information.

6. Fixtures are shown with guard. To order fixture without guard, change "TGC" to "TG." Example: DH040C04L-TG-C2.

7. Refer to page D70 for Hazlux 3 Options, and page D86-D88 for Hazlux 3 Accessories and Parts.

Dimensions:

16 1/8" (410)

23" (584)

25° Stanchion

15 3/4" (400)

23" (584)

Straight Stanchion

13 3/8" (340)

23 3/8" (594)

HazVertor™ Ring
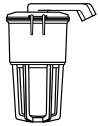
* See page D9 for T-Code Rating

† See page D6 and D7 for Ratings on Specific Wattages.

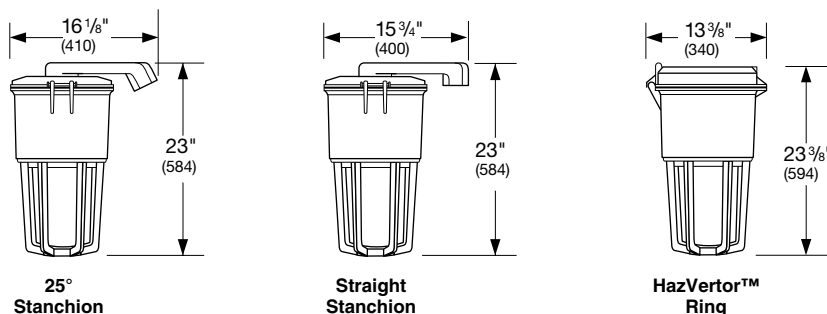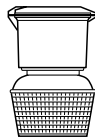**Thomas&Betts**

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Large Ballast Housing

With 12" Refractor or High Bay Reflector

Hazlux® 3

200 - 400 Watts

- UL 844
- Class I, Division 2, Groups A, B, C, D*
- Class II, Division 1&2, Groups E, F, G; Class III†
- Enclosed and Gasketed
- UL 1598, Suitable for Wet Locations
- Marine
- NEMA 4X

D

Hazlux®

	Lamp Watts	Hub Size	Rigid Pendant Catalog Number	Cone Pendant Catalog Number	Ceiling Catalog Number	Wall Catalog Number
High Pressure Sodium	200	3/4"	DS020C04L-R5G-P2-U	DS020C04L-R5G-A2	DS020C04L-R5G-C2	DS020C04L-R5G-B2
		1"	DS020C04L-R5G-P3-U	DS020C04L-R5G-A3	DS020C04L-R5G-C3	DS020C04L-R5G-B3
	250	3/4"	DS025C04L-R5G-P2-U	DS025C04L-R5G-A2	DS025C04L-R5G-C2	DS025C04L-R5G-B2
		1"	DS025C04L-R5G-P3-U	DS025C04L-R5G-A3	DS025C04L-R5G-C3	DS025C04L-R5G-B3
	400	3/4"	DS040C04L-R5G-P2-U-	DS040C04L-R5G-A2	DS040C04L-R5G-C2	DS040C04L-R5G-B2
		1"	DS040C04L-R5G-P3-U	DS040C04L-R5G-A3	DS040C04L-R5G-C3	DS040C04L-R5G-B3
Metal Halide	400	3/4"	DH040C04L-R5G-P2-U	DH040C04L-R5G-A2	DH040C04L-R5G-C2	DH040C04L-R5G-B2
		1"	DH040C04L-R5G-P3-U	DH040C04L-R5G-A3	DH040C04L-R5G-C3	DH040C04L-R5G-B3
Mercury Vapor	400	3/4"	DM040C04L-R5G-P2-U	DM040C04L-R5G-A2	DM040C04L-R5G-C2	DM040C04L-R5G-B2
		1"	DM040C04L-R5G-P3-U	DM040C04L-R5G-A3	DM040C04L-R5G-C3	DM040C04L-R5G-B3

Dimensions:
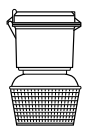
Rigid Pendant — 13 3/8" (340), 20 7/8" (530)

Cone Pendant — 13 3/8" (340), 25 3/8" (644)

Ceiling — 13 3/8" (340), 21 1/2" (546)

Wall — 14 7/8" (378), 23 3/4" (603)

Cone Pendant with enclosed reflector — 16 1/8" (410), 26" (660)

* See page D9 for T-Code Rating

† See page D6 and D7 for Ratings on Specific Wattages.

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Large Ballast Housing

With 12" Refractor or High Bay Reflector
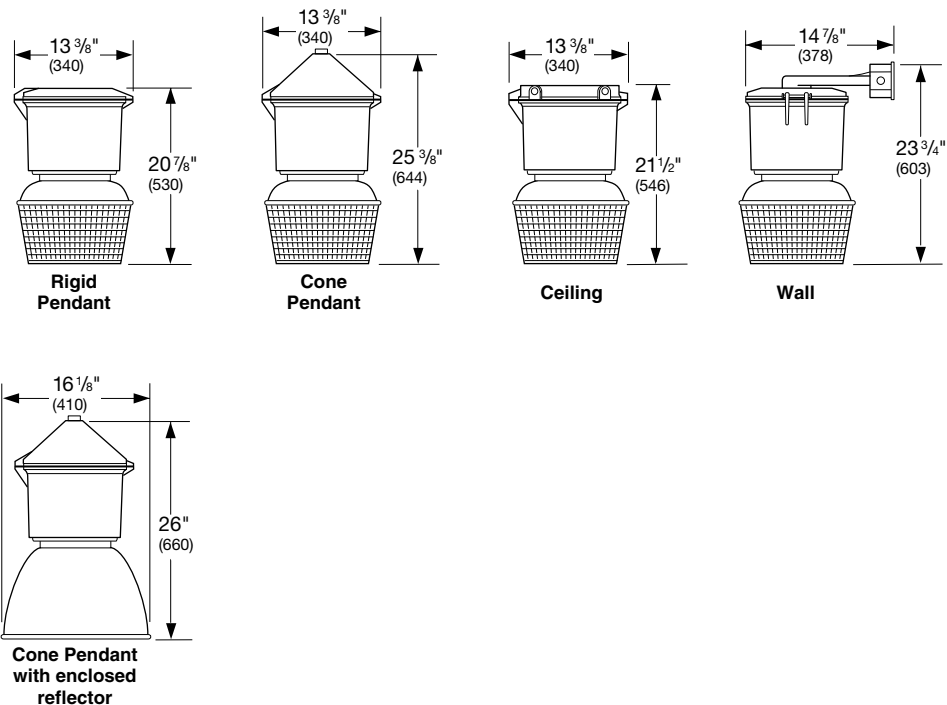
Hazlux® 3

200 - 400 Watts

- UL 844
- Class I, Division 2, Groups A, B, C, D*
- Class II, Division 1&2, Groups E, F, G; Class III†
- Enclosed and Gasketed
- UL 1598, Suitable for Wet Locations
- Marine
- NEMA 4X

	Lamp Watts	Hub Size	25° Stanchion Catalog Number	Straight Stanchion Catalog Number	HazVertor™ Ring Catalog Number
High Pressure Sodium	200	1-1/4" 1-1/2"	DS020C04L-R5G-S4-U DS020C04L-R5G-S5-U	DS020C04L-R5G-L4 DS020C04L-R5G-L5	DS020C04L-R5G-HV1
	250	1-1/4" 1-1/2"	DS025C04L-R5G-S4-U DS025C04L-R5G-S5-U	DS025C04L-R5G-L4 DS025C04L-R5G-L5	DS025C04L-R5G-HV1
	400	1-1/4" 1-1/2"	DS040C04L-R5G-S4-U DS040C04L-R5G-S5-U	DS040C04L-R5G-L4 DS040C04L-R5G-L5	DS040C04L-R5G-HV1
Metal Halide	400	1-1/4" 1-1/2"	DH040C04L-R5G-S4-U DH040C04L-R5G-S5-U	DH040C04L-R5G-L4 DH040C04L-R5G-L5	DH040C04L-R5G-HV1
Mercury Vapor	400	1-1/4" 1-1/2"	DM040C04L-R5G-S4-U DM040C04L-R5G-S5-U	DM040C04L-R5G-L4 DM040C04L-R5G-L5	DM040C04L-R5G-HV1

Ordering Notes:

1. All fixtures are shown with multi-tap ballast (120, 208, 240, 277V). To order 480V or any other dedicated voltage, substitute desired voltage code from "Catalog Numbering System" on page D70. Example: For 400W HPS, 480V, substitute "H48" for "H04" - DS040C48L-R5G-P2.

2. All fixtures are for use with mogul base lamps. Lamps are not included unless "UNIPAK® with Lamp" packaging is specified. See Note D71.

3. To order Hazlux 3 fixtures with "UNIPAK® with Lamp" packaging, add "E" to the end fo the catalog number. Example: DH040C04L-R5G-S5E. See page D71 for details.

4. Verify hazardous location suitability or contact Hazlux for additional information.

5. Refer to "Note Regarding Glass Globes and Refractors" on page D5 for hose-down information.

6. Fixtures are shown with IES Type V refractor for symmetrical light distribution. To order with IES Type II refractor, substitute "R2G" for "R5G" in catalog number. Example: DS040C04L-R2G-L5.

7. Fixtures are shown with guard. To order fixture without guard, change "R5G" to "R5." Example: DH040C04L-R5-C2.

8. To order fixtures with VR31CB High Bay Refllector with Lens, substitute "RCB" (no guard) or "RCG" (with guard) for "R5G" in catalog number. Example: DS040C04L-RCB-P2.

9. Refer to page D70 for Hazlux 3 Options, and page D86 for Hazlux 3 Accessories and Parts.

Dimensions:

16 1/8" (410)
22 3/8" (568)
25° Stanchion

15 3/4" (400)
22 3/8" (568)
Straight Stanchion

13 3/8" (340)
21 3/4" (552)
HazVertor™ Ring

16 1/8" (410)
26" (660)
Cone Pendant with enclosed reflector

* See page D9 for T-Code Rating
† See page D6 and D7 for Ratings on Specific Wattages.

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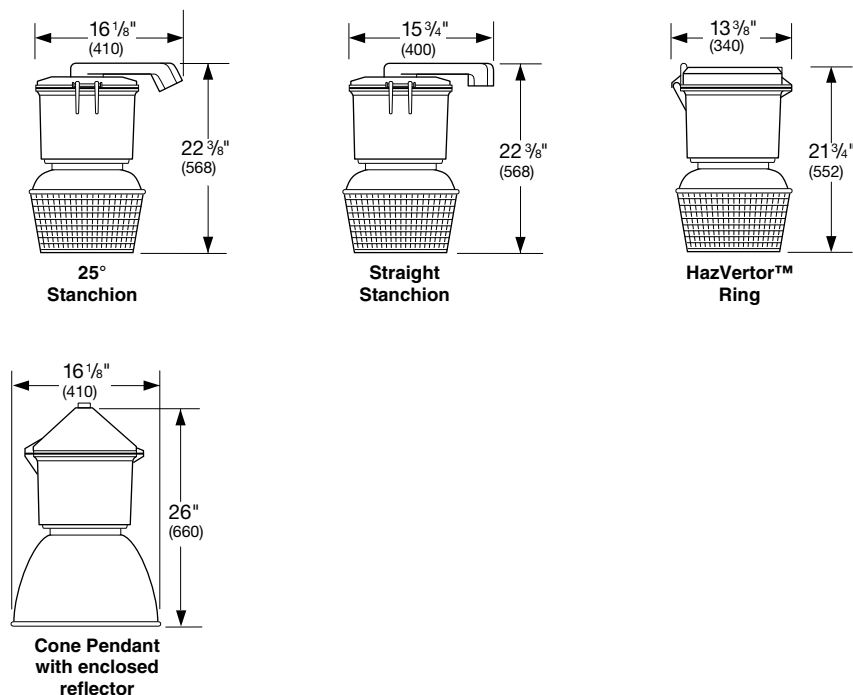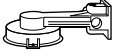# Components & Replacement Parts

Hazlux® 3
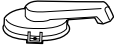
50 - 400 Watts

- UL 844
- Class I, Division 2, Groups A, B, C, D*
- Class II, Division 1&2, Groups E, F, G; Class III†
- Enclosed and Gasketed
- UL 1598, Suitable for Wet Locations
- Marine
- NEMA 4X

D

Hazlux®

Mounting Covers

Mounting Style	Hub Size	Catalog Number	Mounting Style	Hub Size	Catalog Number
Rigid Pendant	¾" 1"	VP2 VP3	Wall	¾" 1"	VB2 VB3
Cone Pendant	¾" 1"	VA2 VA3	25° Stanchion	1¼" 1½"	VS4 VS5
Flexible Pendant	¾" 1"	VF2 VF3	Straight Stanchion	1¼" 1½"	VL4 VL5
Ceiling	¾" 1"	VC2 VC3	HazVertor Ring		HV1† HV2‡

† Use HV1 HazVertor Ring for Class I, Div. 2 requirements.
‡ Use HV2 HazVertor Ring for Class II requirements.

Globes, Refractors

	Catalog Number	Description
	VGT22	5½" dia. Heat Resistant Globe For use with Standard Housing (250W max.)
	VGT31S	7¾" dia. Heat Resistant Globe For use with "R" Housing (250W max.)
	VGT31	7¾" dia. Heat Resistant Globe For use with Large Housing (400W max.)
	VGL31R1	7¾" IES Type I Refractor Globe For use with "R" Housing (250W max.)
	VGL31R3	7¾" IES Type III Refractor Globe For use with "R" Housing (250W max.)
	VGL31R5	7¾" IES Type V Refractor Globe For use with "R" Housing (250W max.)
	VRF22C2	12" dia. IES Type II Refractor 5½" thread, for use with Standard Housing
	VRF22C5	12" dia. IES Type V Refractor 5½" thread, for use with Standard Housing
	VRF31C2	12" dia. IES Type II Refractor 7¾" thread, for use with "R" and Large Housings
	VRF31C5	12" dia. IES Type V Refractor 7¾" thread, for use with "R" and Large Housings

Reflectors, Exit Sign

	Catalog Number	Description
	VR22P	Standard Dome Fiberglass Reinforced Polyester For use with Std. Housing
	VR31P	Standard Dome Fiberglass Reinforced Polyester For use with "R" and Lg. Housings
	VRD31	Deep Dome Anodized Aluminum For use with "R" and Lg. Housings
	VR31CB	Enclosed High Bay Anodized Aluminum with Lens For use with "R" and Lg. Housings
	VRA22P	30° Angle Reflector Fiberglass Reinforced Polyester For use with Std. Housing
	VRA31P	30° Angle Reflector Fiberglass Reinforced Polyester For use with "R" and Lg. Housings
	VRE22	Three Sided Exit Sign For use with Std. Housing

Guards

	Catalog Number	Description
	VGU22P	Polymeric Guard for VGT22 Series Globes
	VGU31RP	Polymeric Guard for VGT31S Globe and VGL31R Series Refractor Globes
	VGU31R	Cast Aluminum Guard for VGT31S Globe and VGL31R Series Refractor Globes
	VGU31	Cast Aluminum Guard for VGT31 Globe
	VGR48	Steel Wire Guard for All VRF Series 12" Refractors
	VGR64	Steel Wire Guard for VR31CB Enclosed High Bay Reflector

* See page D9 for T-Code Rating

† See page D6 and D7 for Ratings on Specific Wattages.

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Ballast Housings

Hazlux® 3

50 - 400 Watts

(UL)

- UL 844
- Class I, Division 2, Groups A, B, C, D*
- Class II, Division 1&2, Groups E, F, G; Class III†
- Enclosed and Gasketed
- UL 1598, Suitable for Wet Locations
- Marine
- NEMA 4X

D

Hazlux®

STANDARD BALLAST HOUSING — 5-1/2" Thread Size

WATTAGE	VOLTAGE	WT. EACH (Lbs.)	CATALOG NUMBER	LISTING & NEC REQUIRED MARKING ON FIXTURE			
				Enclosed & Gasketed Suitable for Wet Locations	Class I Division 2 40°C Ambient	Class II E, F & G 40°C Ambient	Marine (UL595) Listed
50	120/277	15	DS005H03	✓	✓	✓	✓
70	120	15	DS007H12	✓	✓	✓	✓
	120/208/240/277		DS007H04	✓	✓	✓	✓
	480		DS007H48	✓	✓	✓	✓
100	120	17	DS010H12	✓	✓	✓	✓
	120/208/240/277		DS010H04	✓	✓	✓	✓
150†	120	18	DS015H12	✓	✓		✓
	120/208/240/277		DS015H04	✓	✓	‡	✓
	480		DS015H48	✓	✓		✓

REFRACTOR BALLAST HOUSING — 7-3/4" Thread Size

WATTAGE	VOLTAGE	WT. EACH (Lbs.)	CATALOG NUMBER	Enclosed & Gasketed Suitable for Wet Locations	Class I Division 2 40°C Ambient	Class II E, F & G 40°C Ambient	Marine (UL595) Listed
50	120/277	15	DS005H03R	✓	✓	✓	✓
70	120	15	DS007H12R	✓	✓	✓	✓
	120/208/240/277		DS007H04R	✓	✓	✓	✓
	480		DS007H48R	✓	✓	✓	✓
100	120	17	DS010H12R	✓	✓	✓	✓
	120/208/240/277		DS010H04R	✓	✓	✓	✓
	480		DS010H48R	✓	✓	✓	✓
150†	120	18	DS015H12R	✓	✓		✓
	120/208/240/277		DS015H04R	✓	✓	‡	✓
	480		DS015H48R	✓	✓		✓

BALLAST HOUSING HIGH PRESSURE SODIUM — High Power Factor (Min. P.F. 90%)
HIGH WATTAGE BALLAST HOUSING — 7-3/4" Thread Size, Deep

WATTAGE	VOLTAGE	WT. EACH (Lbs.)	CATALOG NUMBER	Enclosed & Gasketed Suitable for Wet Locations	Class I Division 2 40°C Ambient	Class II E, F & G 40°C Ambient	Marine (UL595) Listed
200	120	25	DS020C12	✓	✓	✓	✓
	120/208/240/277		DS020C04	✓	✓	✓	✓
	480		DS020C48	✓	✓	✓	✓
250	120	28	DS025C12	✓	✓		✓
	120/208/240/277		DS025C04	✓	✓	‡	✓
	480		DS025C48	✓	✓		✓
400	120	35	DS040C12	✓	✓		✓
	120/208/240/277		DS040C04	‡✓	✓	‡	✓
	480		DS040C48	✓	✓		✓

BALLAST HOUSING METAL HALIDE — High Power Factor (Min. P. F. 90%)
STANDARD BALLAST HOUSING — 5-1/2" Thread Size

WATTAGE	VOLTAGE	WT. EACH (Lbs.)	CATALOG NUMBER	Enclosed & Gasketed Suitable for Wet Locations	Class I Division 2 40°C Ambient	Class II E, F & G 40°C Ambient	Marine (UL595) Listed
70	120/208/240/277	15	DH007H04	✓	✓	✓	✓
	120		DH007H12	✓	✓	✓	✓
100	120/208/240/277	15	DH010H04	✓	✓	✓	✓
	120		DH010H12	✓	✓	✓	✓
175	120/208/240/277	17	DH017C04	✓	✓	✓	✓
	480		DH017C48	✓	✓	✓	✓
250	120/208/240/277	20	DH025C04	✓	✓	‡	✓

See General Information page D5 for "Note Regarding Glass Globes and Refractors."

† For use with 55V (ANSI S55) lamp only. For use with a 100V (ANSI S56) lamp, substitute the letter "C" for the letters "S" and "H" in the catalog number.

‡ Verify Class II suitability using charts A, B, C on pages D6 and D7.
  NOTE: To order with Auxiliary Quartz circuit, change first "0" to "Q" - example, DSQ15H04. For CSA Certification consult factory.

* See page D9 for T-Code Rating

† See page D6 and D7 for Ratings on Specific Wattages.

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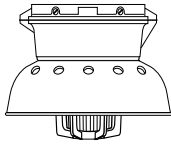
Ballast Housings	*Hazlux® 3* **50 - 400 Watts**	(UL)	• UL 844 • Class I, Division 2, Groups A, B, C, D* • Class II, Division 1&2, Groups E, F, G; Class III† • Enclosed and Gasketed • UL 1598, Suitable for Wet Locations • Marine • NEMA 4X

REFRACTOR BALLAST HOUSING — 7-3/4" Thread Size

	WATTAGE	VOLTAGE	WT. EACH (Lbs.)	CATALOG NUMBER	LISTING & NEC REQUIRED MARKING ON FIXTURE			
					Enclosed & Gasketed Suitable for Wet Locations	Class I Division 2 40°C Ambient	Class II E, F & G 40°C Ambient	Marine (UL595) Listed
	70	120/208/240/277 120	15	DH007H04R DH007H12R	✓ ✓	✓ ✓	✓ ✓	✓ ✓
	100	120/208/240/277 120	15	DH010H04R DH010H12R	✓ ✓	✓ ✓	✓ ✓	✓ ✓
	175	120/208/240/277 480	17	DH017C04R DH017C48R	✓ ✓	✓ ✓	✓ ✓	✓ ✓
	250	120/208/240/277 480	20	DH025C04R DH025C48R	✓ ✓	✓ ✓	‡ 	✓ ✓

HIGH WATTAGE BALLAST HOUSING — 7-3/4" Thread Size, Deep

	400	120/208/240/277 480	29	DH040C04 DH040C48	✓ ✓	✓ ✓	‡ 	✓ ✓

BALLAST HOUSING MERCURY VAPOR — High Power Factor (Min. P.F. 90%)
STANDARD BALLAST HOUSING — 5-1/2" Thread Size

	100	120/208/240/277 480	14	DM010C04 DM010C48	✓ ✓	✓ ✓	✓ ✓	✓ ✓
	175	120/208/240/277 480	16	DM017C04 DM017C48	✓ ✓	✓ ✓	✓ ✓	✓ ✓
	250	120/208/240/277 480	17	DM025C04 DM025C48	✓ ✓	✓ ✓	‡ 	✓ ✓

REFRACTOR BALLAST HOUSING — 7-3/4" Thread Size

	100	120/208/240/277 480	14	DM010C04R DM010C48R	✓ ✓	✓ ✓	✓ ✓	✓ ✓
	175	120/208/240/277 480	16	DM017C04R DM017C48R	✓ ✓	✓ ✓	✓ ✓	✓ ✓
	250	120/208/240/277 480	17	DM025C04R DM025C48R	✓ ✓	✓ ✓	‡ 	✓ ✓

HIGH WATTAGE BALLAST HOUSING — 7-3/4" Thread Size, Deep

	400	120/208/240/277 480	25	DM040C04 DM040C48	✓ ✓	✓ ✓	‡ 	✓ ✓

See General Information page D5 for "Note Regarding Glass Globes and Refractors."
‡ *Verify Class II suitability using Charts A, B, C on pages D6 and D7.*
 NOTE: To order with Auxiliary Quartz circuit, change first "O" to "Q" - example, DMQ17C04. For CSA Certification consult factory.

* See page D9 for T-Code Rating

† See page D6 and D7 for Ratings on Specific Wattages.

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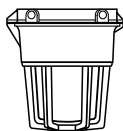
Photometrics	*Hazlux® 3*	(UL)	A• UL 844 • Class I, Division 2, Groups A, B, C, D* • Class II, Division 1&2, Groups E, F, G; Class III† • Enclosed and Gasketed • UL 1598, Suitable for Wet Locations • Marine • NEMA 4X• UL 844

High Pressure Sodium
Cat. #DS010H04 w/VGT22, VGU22P
Globe & Guard - 50-150W Clear Lamp -
I.E.S. Type V
Report No. HAZ001

CANDLEPOWER—100 WATTS
Candlepower table values based on 9500 lumens per lamp. For candle-power of other lamps multiply table values by factor:

$$Factor = \frac{New\ Lumens}{9500}$$

CANDELA DISTRIBUTION

Angle	CP	Angle	CP
0	213	85	1000
5	203	90	995
15	434	95	997
25	497	105	910
35	645	115	805
45	767	125	299
55	861	135	12
65	936	145	5
75	993	180	0

Total luminaire efficiency 87.7%

SPACING TO MOUNTING HEIGHT RATIO S/MH 3.4
BASED ON 10 FOOT MOUNTING HEIGHT
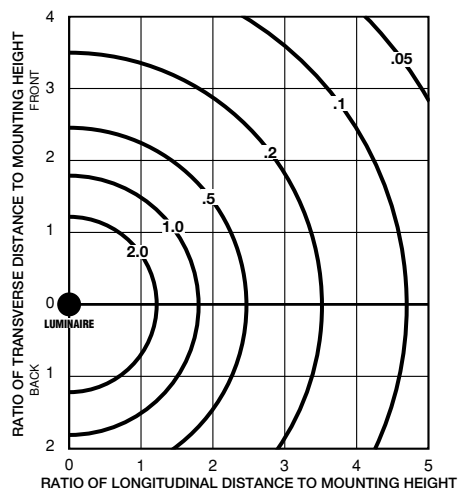
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

$$Mounting\ Height\ Factor = \frac{100}{New\ MH^2}$$

This report is based on published IES Testing Procedures. Significance is limited to the degree that the tested sample is representative and that test conditions are duplicated. Voltage and characteristics of lamps and ballasts can affect field performance.

High Pressure Sodium
Cat. #DS010H04 w/VGT22, VGU22P, VR22P
Globe, Guard & Dome Reflector -
50-150W Clear Lamp - I.E.S. Type V
Report No. HAZ023

CANDLEPOWER—100 WATTS
Candlepower table values based on 9500 lumens per lamp. For candle-power of other lamps multiply table values by factor:

$$Factor = \frac{New\ Lumens}{9500}$$

CANDELA DISTRIBUTION

Angle	CP	Angle	CP
0	1350	85	94
5	1330	90	17
15	1560	95	16
25	1610	105	16
35	1730	115	20
45	1610	125	8
55	1540	135	7
65	1450	145	5
75	805	180	0

Total luminaire efficiency 78.9%

SPACING TO MOUNTING HEIGHT RATIO S/MH 1.6
BASED ON 10 FOOT MOUNTING HEIGHT

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

$$Mounting\ Height\ Factor = \frac{100}{New\ MH^2}$$

This report is based on published IES Testing Procedures. Significance is limited to the degree that the tested sample is representative and that test conditions are duplicated. Voltage and characteristics of lamps and ballasts can affect field performance.

* See page D9 for T-Code Rating

† See page D6 and D7 for Ratings on Specific Wattages.

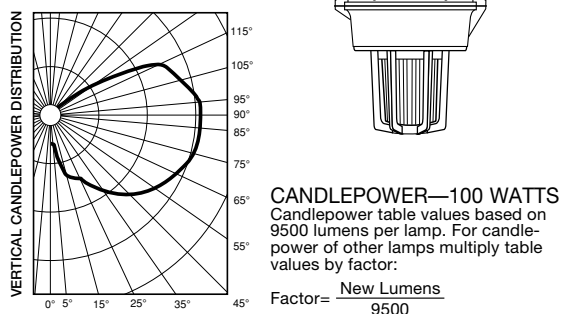**Thomas&Betts**

Photometrics	*Hazlux® 3*	(UL)	• UL 844 • Class I, Division 2, Groups A, B, C, D* • Class II, Division 1&2, Groups E, F, G; Class III† • Enclosed and Gasketed • UL 1598, Suitable for Wet Locations • Marine • NEMA 4X

D

Hazlux®

Metal Halide/Mercury Vapor
Cat. #DH017H04 w/ VGT22, VGU22P, VR22P
Globe, Guard & Dome Reflector - 70-250W
Clear Lamp - I.E.S. Type V
Report No. HAZ030

VERTICAL CANDLEPOWER DISTRIBUTION

115°
105°
95°
90°
85°
75°
65°
55°

0° 5° 15° 25° 35° 45°

CANDLEPOWER—175 WATTS
Candlepower table values based on 14000 lumens per lamp. For candle-power of other lamps multiply table values by factor:

$$\text{Factor} = \frac{\text{New Lumens}}{14000}$$

CANDELA DISTRIBUTION

Angle	CP	Angle	CP
0	2298	85	236
5	2266	90	69
15	2276	95	42
25	2303	105	84
35	2289	115	104
45	2211	125	66
55	2034	135	10
65	1650	145	0
75	875	180	0

Total luminaire efficiency 71.4%

SPACING TO MOUNTING HEIGHT RATIO S/MH 1.65
BASED ON 10 FOOT MOUNTING HEIGHT

RATIO OF TRANSVERSE DISTANCE TO MOUNTING HEIGHT
FRONT / BACK
LUMINAIRE

.05
.1
.2
.5
1.0
2.0

RATIO OF LONGITUDINAL DISTANCE TO MOUNTING HEIGHT

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

$$\text{Mounting Height Factor} = \frac{100}{\text{New MH}^2}$$

This report is based on published IES Testing Procedures. Significance is limited to the degree that the tested sample is representative and that test conditions are duplicated. Voltage and characteristics of lamps and ballasts can affect field performance.

High Pressure Sodium
Cat. #DS025H04 w/ VGT31, VGU31, VR31P
Globe, Guard & Dome Reflector - 200-400W
Clear Lamp - I.E.S. Type V
Report No. HAZ050

VERTICAL CANDLEPOWER DISTRIBUTION

115°
105°
95°
90°
85°
75°
65°
55°

0° 5° 15° 25° 35° 45°
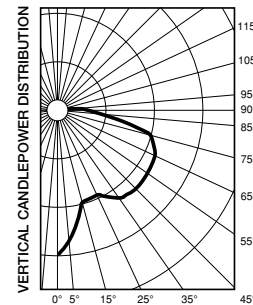
CANDLEPOWER—250 WATTS
Candlepower table values based on 22000 lumens per lamp. For candle-power of other lamps multiply table values by factor:

$$\text{Factor} = \frac{\text{New Lumens}}{27500}$$

CANDELA DISTRIBUTION

Angle	CP	Angle	CP
0	5720	85	1580
5	5150	90	774
15	3720	95	221
25	3640	105	67
35	4190	115	306
45	4300	125	237
55	4200	135	4
65	4110	145	0
75	3650	180	0

Total luminaire efficiency 85.1%

SPACING TO MOUNTING HEIGHT RATIO S/MH 1.0
BASED ON 10 FOOT MOUNTING HEIGHT

RATIO OF TRANSVERSE DISTANCE TO MOUNTING HEIGHT
FRONT / BACK
LUMINAIRE

.1
.2
.5
1.0
2.0
5.0
10.
20.

RATIO OF LONGITUDINAL DISTANCE TO MOUNTING HEIGHT

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

$$\text{Mounting Height Factor} = \frac{100}{\text{New MH}^2}$$

This report is based on published IES Testing Procedures. Significance is limited to the degree that the tested sample is representative and that test conditions are duplicated. Voltage and characteristics of lamps and ballasts can affect field performance.

* See page D9 for T-Code Rating

† See page D6 and D7 for Ratings on Specific Wattages.

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| **Photometrics** | *Hazlux® 3* | (UL) | • UL 844
• Class I, Division 2, Groups A, B, C, D*
• Class II, Division 1&2, Groups E, F, G; Class III†
• Enclosed and Gasketed
• UL 1598, Suitable for Wet Locations
• Marine
• NEMA 4X |

High Pressure Sodium
Cat. #DS010H04R w/VGL31R5 , VGU31RP
Refractor Globe - 50-150W Clear Lamp -
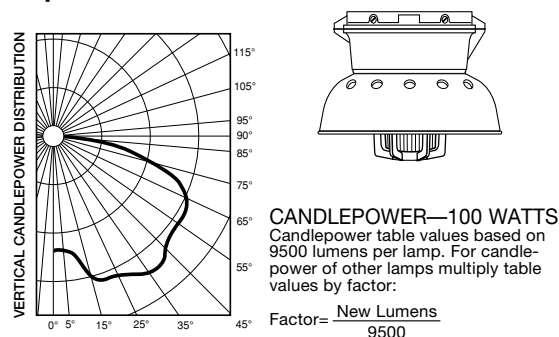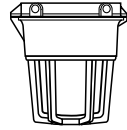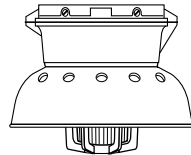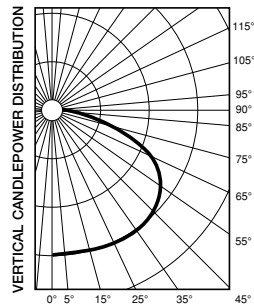**I.E.S. Type V**
Report No. HAZ112

VERTICAL CANDLEPOWER DISTRIBUTION

CANDLEPOWER—100 WATTS
Candlepower table values based on
9500 lumens per lamp. For candle-
power of other lamps multiply table
values by factor:

$$\text{Factor} = \frac{\text{New Lumens}}{9500}$$

CANDELA DISTRIBUTION

Angle	CP	Angle	CP
0	438	85	555
5	468	90	440
15	467	95	379
25	444	105	267
35	506	115	187
45	689	125	126
55	1102	135	83
65	1865	145	32
75	1300	180	0

Total luminaire efficiency 75.1%

SPACING TO MOUNTING HEIGHT RATIO S/MH 2.6
BASED ON 10 FOOT MOUNTING HEIGHT
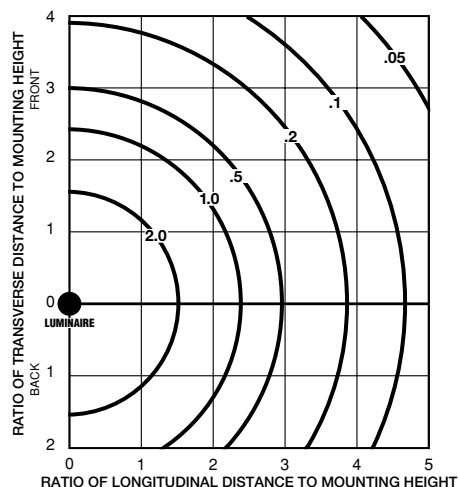
RATIO OF TRANSVERSE DISTANCE TO MOUNTING HEIGHT
FRONT / BACK
LUMINAIRE
RATIO OF LONGITUDINAL DISTANCE TO MOUNTING HEIGHT

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

$$\text{Mounting Height Factor} = \frac{100}{\text{New MH}^2}$$

This report is based on published IES Testing Procedures. Significance is limited
to the degree that the tested sample is representative and that test conditions
are duplicated. Voltage and characteristics of lamps and ballasts can affect field
performance.

High Pressure Sodium
Cat. #DS010H04R w/VGL31R1, VGU31RP
Refractor Globe - 50-150W Clear Lamp -
I.E.S. Type I, (Long & Narrow)
Report No. HAZ100

VERTICAL CANDLEPOWER DISTRIBUTION

CANDLEPOWER—100 WATTS
Candlepower table values based on
9500 lumens per lamp. For candle-
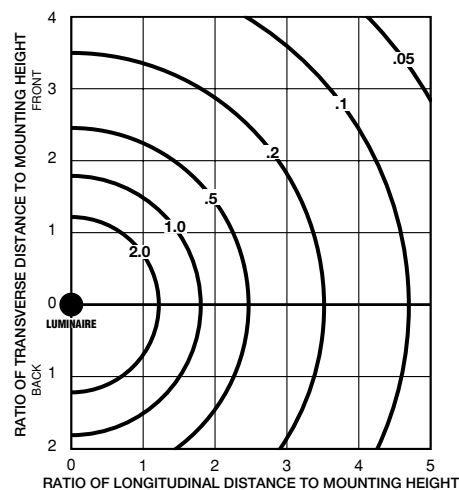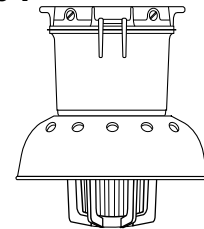power of other lamps multiply table
values by factor:

$$\text{Factor} = \frac{\text{New Lumens}}{9500}$$

Total luminaire efficiency 87.5%

BASED ON 10 FOOT MOUNTING HEIGHT

RATIO OF TRANSVERSE DISTANCE TO MOUNTING HEIGHT
FRONT / BACK
LUMINAIRE
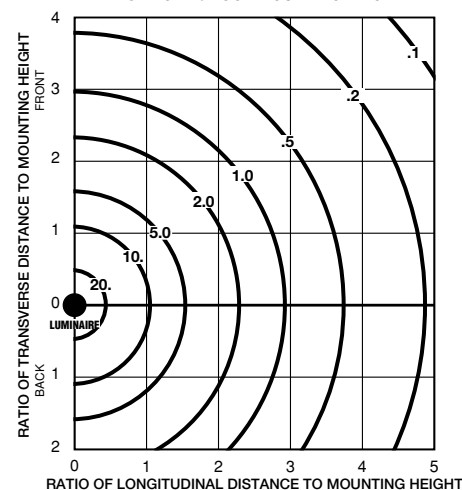RATIO OF LONGITUDINAL DISTANCE TO MOUNTING HEIGHT

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

$$\text{Mounting Height Factor} = \frac{100}{\text{New MH}^2}$$

This report is based on published IES Testing Procedures. Significance is limited
to the degree that the tested sample is representative and that test conditions
are duplicated. Voltage and characteristics of lamps and ballasts can affect field
performance.

* See page D9 for T-Code Rating

† See page D6 and D7 for Ratings on Specific Wattages.

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Photometrics	*Hazlux® 3*	UL	• UL 844 • Class I, Division 2, Groups A, B, C, D* • Class II, Division 1&2, Groups E, F, G; Class III† • Enclosed and Gasketed • UL 1598, Suitable for Wet Locations • Marine • NEMA 4X

D

Hazlux®

High Pressure Sodium
Cat. #DS010H04 w/VRF22C5, VGR48
Standard Tank, 12" Refractor - 70-250W
Clear Lamp - I.E.S. Type V
Report No. HAZ006
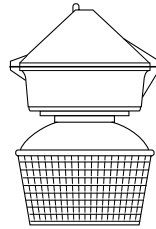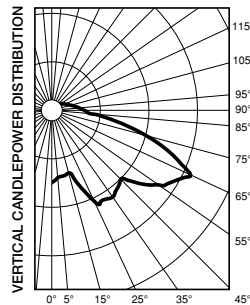
CANDLEPOWER—100 WATTS
Candlepower table values based on
14000 lumens per lamp. For candle-
power of other lamps multiply table
values by factor:

$$Factor = \frac{New\ Lumens}{9500}$$

CANDELA DISTRIBUTION

Angle	CP	Angle	CP
0	846	85	437
5	789	90	362
15	750	95	308
25	1190	105	209
35	1210	115	168
45	1110	125	131
55	1510	135	86
65	1720	145	57
75	1080	180	0

Total luminaire efficiency 85.1%

SPACING TO MOUNTING HEIGHT RATIO S/MH 1.9
BASED ON 10 FOOT MOUNTING HEIGHT
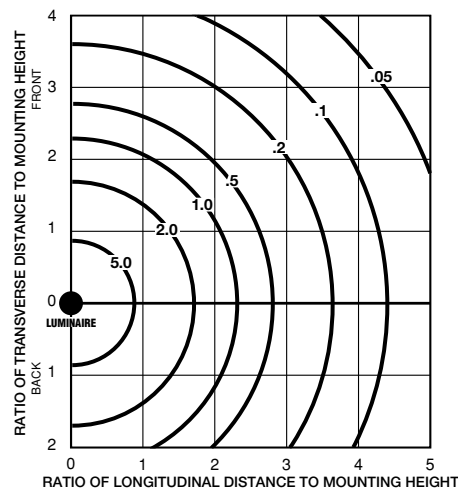
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

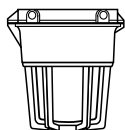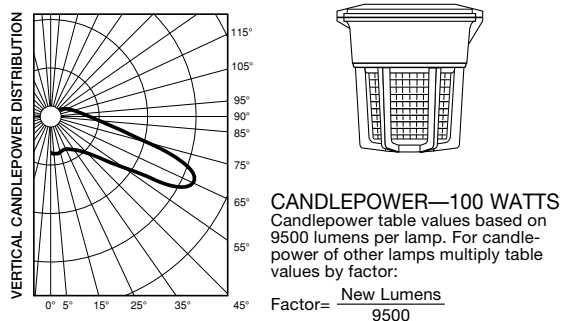$$Mounting\ Height\ Factor = \frac{100}{New\ MH^2}$$

This report is based on published IES Testing Procedures. Significance is limited
to the degree that the tested sample is representative and that test conditions
are duplicated. Voltage and characteristics of lamps and ballasts can affect field
performance.

High Pressure Sodium
Cat. #DS025H04 w/VRF31C5, VGR48
Large Tank, 12" Refractor - 200-400W
Clear Lamp - I.E.S. Type V
Report No. HAZ053
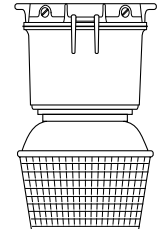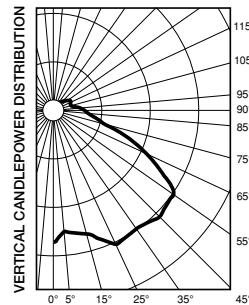
CANDLEPOWER—250 WATTS
Candlepower table values based on
27500 lumens per lamp. For candle-
power of other lamps multiply table
values by factor:

$$Factor = \frac{New\ Lumens}{27500}$$

CANDELA DISTRIBUTION

Angle	CP	Angle	CP
0	4040	85	989
5	3690	90	888
15	3870	95	806
25	4440	105	529
35	4340	115	564
45	4450	125	524
55	4300	135	403
65	2930	145	282
75	1450	180	0

Total luminaire efficiency 80.3%

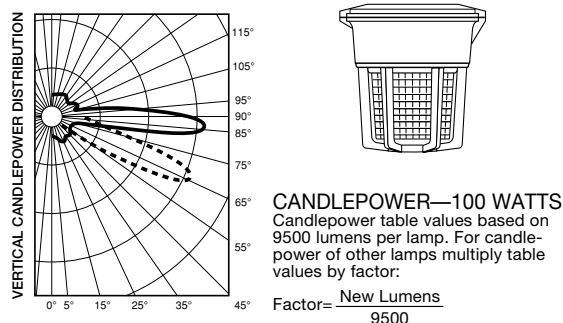**SPACING TO MOUNTING HEIGHT RATIO S/MH 1.6**
BASED ON 10 FOOT MOUNTING HEIGHT
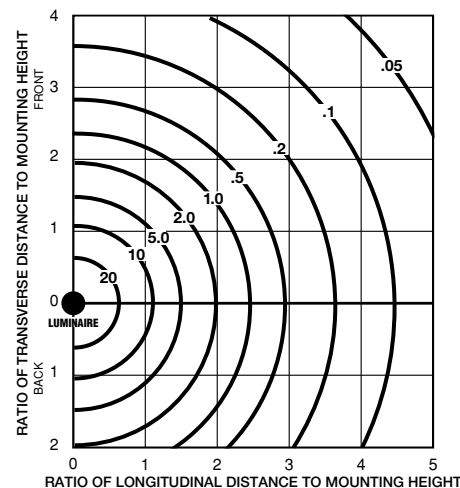
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

$$Mounting\ Height\ Factor = \frac{100}{New\ MH^2}$$

This report is based on published IES Testing Procedures. Significance is limited
to the degree that the tested sample is representative and that test conditions
are duplicated. Voltage and characteristics of lamps and ballasts can affect field
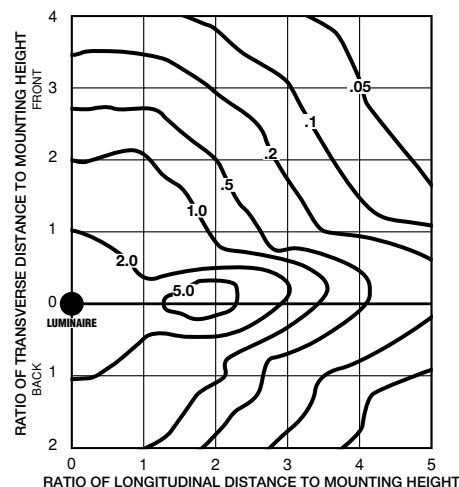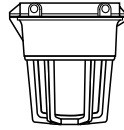performance.

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Hazlux® 3
Standard Tank Assemblies
Dimensional Drawings

STANDARD BALLAST HOUSING WITH GLOBE AND GUARD

13 ³/₈"
(340)

13 ³/₄"
(349)

RIGID PENDANT

13 ³/₈"
(340)

13 ³/₄"
(349)

FLEXIBLE PENDANT

13 ³/₈"
(340)

18 ¹¹/₃₂"
(466)

CONE PENDANT

13 ³/₈"
(340)

14 ¹/₂"
(368)

CEILING MOUNT

14 ⁷/₈"
(378)

16 ³/₄"
(425)

WALL MOUNT

16 ¹/₈"
(410)

15 ³/₁₆"
(386)

**25° STANCHION
MOUNT**

15 ³/₄"
(400)

15 ³/₁₆"
(386)

**STRAIGHT
STANCHION**

13 ³/₈"
(340)

14 ³/₄"
(375)

**HAZVERTOR™
RINGER**

STANDARD BALLAST HOUSING WITH 12" REFRACTOR AND GUARD

13 ³/₈"
(340)

16 ¹¹/₁₆"
(424)

RIGID PENDANT

13 ³/₈"
(340)

16 ¹¹/₁₆"
(424)

FLEXIBLE PENDANT

13 ³/₈"
(340)

21 ¹/₄"
(540)

CONE PENDANT

13 ³/₈"
(340)

17 ⁵/₁₆"
(440)

CEILING MOUNT

14 ⁷/₈"
(378)

19 ⁹/₁₆"
(497)

WALL MOUNT

16 ¹/₈"
(206)

18 ¹/₈"
(460)

**25° STANCHION
MOUNT**

15 ³/₄"
(400)

18 ¹/₈"
(460)

**STRAIGHT
STANCHION**

13 ³/₈"
(340)

17 ⁹/₁₆"
(446)

**HAZVERTOR™
RINGER**

Thomas&Betts

Hazlux® 3
"R" Tank Assemblies
Dimensional Drawings

R-TANK HOUSING WITH 7-3/4'' REFRACTOR AND GUARD

13 3/8"
(340)

14 1/4"
(362)

RIGID PENDANT

13 3/8"
(340)

14 1/4"
(362)

FLEXIBLE PENDANT

13 3/8"
(340)

18 11/16"
(475)

CONE PENDANT

13 3/8"
(340)

14 1/2"
(368)

CEILING MOUNT

14 7/8"
(378)

16 5/8"
(422)

WALL MOUNT

16 1/8"
(410)

15 3/16"
(386)

**25° STANCHION
MOUNT**

15 3/4"
(400)

15 3/16"
(386)

**STRAIGHT
STANCHION**

13 3/8"
(340)

14 3/4"
(375)

**HAZVERTOR™
RINGER**

R-TANK HOUSING WITH 7-3/4'' GLOBE AND GUARD

13 3/8"
(340)

14 1/4"
(362)

RIGID PENDANT

13 3/8"
(340)

14 1/4"
(362)

FLEXIBLE PENDANT

13 3/8"
(340)

18 11/16"
(475)

CONE PENDANT

13 3/8"
(340)

14 1/2"
(368)

CEILING MOUNT

14 7/8"
(377)

16 5/8"
(422)

WALL MOUNT

16 1/8"
(410)

15 3/16"
(391)

**25° STANCHION
MOUNT**

15 3/4"
(400)

15 3/16"
(386)

**STRAIGHT
STANCHION**

13 3/8"
(340)

14 3/4"
(375)

**HAZVERTOR™
RINGER**

Thomas&Betts

Hazlux® 3
Large Tank Assemblies
Dimensional Drawings

LARGE BALLAST HOUSING WITH GLOBE AND GUARD

13 3/8" (340)
9 7/8" (251)
11 5/8" (295)
21 1/2" (546)

RIGID PENDANT

13 3/8" (340)
14 3/8" (365)
26" (660)

CONE PENDANT

13 3/8" (340)
22 1/8" (562)

CEILING MOUNT

14 7/8" (378)
24 3/8" (619)

WALL MOUNT

16 1/8" (410)
23" (584)

25° STANCHION MOUNT

15 3/4" (400)
23" (584)

STRAIGHT STANCHION

13 3/8" (340)
23 3/8" (594)

HAZVERTOR™ RINGER

LARGE BALLAST HOUSING WITH 12" REFRACTOR AND GLOBE

13 3/8" (340)
20 7/8" (530)

RIGID PENDANT

13 3/8" (340)
25 3/8" (644)

CONE PENDANT

13 3/8" (340)
21 1/2" (546)

CEILING MOUNT

14 7/8" (378)
23 3/4" (603)

WALL MOUNT

16 1/8" (410)
22 3/8" (568)

25° STANCHION MOUNT

15 3/4" (400)
22 3/8" (568)

STRAIGHT STANCHION

13 3/8" (340)
21 3/4" (552)

HAZVERTOR™ RINGER

Thomas&Betts

CATALOG NUMBERING SYSTEM	*Hazlite*™ M3		• UL 844

CATALOG NUMBERING SYSTEM
HID
INCANDESCENT - FLUORESCENT

Hazlite™ M3
Medium Base
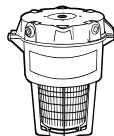
9 - 150 Watts

(UL)

• UL 844
• Class I, Div. 2, Groups A,B,C,D[1]
• Class II, Div. 1 & 2, Groups E,F,G; Class III[2]
• Enclosed and Gasketed
• UL 1598, Suitable for Wet Locations
• UL595 Marine
• NEMA 4X, IP66

D

Hazlux®

Catalog Numbering System

D S M 07 P 120 - R5P - C2 E F - N

(1) (2) (3) (4) (5) (6) (7) (8) (10) (11) (12)
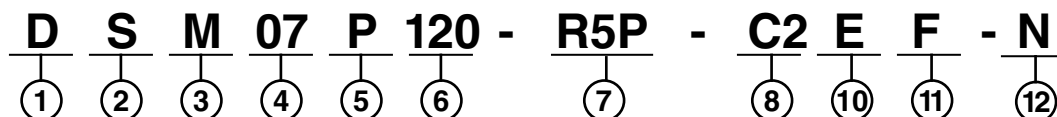
1) Fixture Suitability

D	=	Hazardous Locations★
		Class I, Division 2
		Class II, Division 1 & 2
		Class III
		Marine (UL595)
		NEMA 4X

2) Lamp Type

S	=	High Pressure Sodium
H	=	Metal Halide
M	=	Mercury Vapor
F	=	Fluorescent
I	=	Incandescent

3) Lampholder Type

M	=	Medium Base Lampholder
B	=	Bi Pin Type (Fluorescent)

4) Lamp Wattage

09	=	9 Watts
13	=	13 Watts
18	=	18 Watts
26	=	26 Watts
03	=	35 Watts
05	=	50 Watts
07	=	70 Watts
75	=	75 Watts
10	=	100 Watts
15	=	150 Watts

5) Ballast Circuit

C	=	Constant Wattage Autotransformer (CWA)
P	=	Reactor Type
0	=	Incandescent Lamp - No Ballast Circuit

6) Ballast Voltage

120	=	120 Volts

7) Optical Assembly Option

G	=	Standard Globe Only (VGL15)
GGL	=	Standard Globe and Polymeric Guard
GG	=	Standard Globe and Cast Guard
TG	=	Tempered Globe Only (VGT15)
TGL	=	Tempered Globe and Polymeric Guard
TGC	=	Tempered Globe and Cast Guard
R1	=	Type I (Long & Narrow) Glass Refractor
R3	=	Type III (Asymmetric) Glass Refractor
R5	=	Type V (Symmetric) Glass Refractor
R1P	=	Type I Refractor and Polymeric Guard
R3P	=	Type III Refractor and Polymeric Guard
R5P	=	Type V Refractor and Polymeric Guard
R5A	=	8" Glass Refractor (Type V)

8) Mounting Style

P2	=	3/4" Rigid Pendant	**C2**	=	3/4" Ceiling
P3	=	1" Rigid Pendant	**C3**	=	1" Ceiling
B2	=	3/4" Wall	**S4**	=	1-1/4" Stanchion
B3	=	1" Wall	**S5**	=	1-1/2" Stanchion

9) Special Coating Options

T	=	HAZ-COTE™ Custom Corrosion coating on all Aluminum Parts. (Consult Factory)

10) UNIPAK® Options

D	=	Unipak with diffuse coated lamp
E	=	Unipak with clear lamp

11) Fusing

F	=	Single Fuse Block with Fuse (HID only) (Not Marine Rated)

12) NEMA Lamp Wattage Decal

N	=	NEMA Lamp Wattage Decal on Housing

★ *Refer to General Information Page D7 for details on fixture suitabilities.*
* *See General Information Page D5 for "Note Regarding Glass Globes and Refractors."*
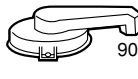
*Note: 100W incandescent not available in clear lamp.

[1] *See page D9 in front of catalog for "T" Rating.*
[2] *See page D7 in front of catalog for Class II and Class III Suitability.*
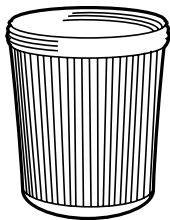
Thomas&Betts

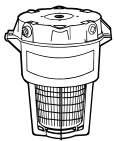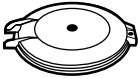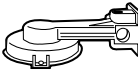| FIXTURE COMPONENTS	*Hazlite™ M3* **9-150 Watts**	(UL)	• UL 844 • Class I, Div. 2, Groups A,B,C,D[1] • Class II, Div. 1 & 2, Groups E,F,G; Class III[2] • Enclosed and Gasketed • UL 1598, Suitable for Wet Locations • UL595 Marine • NEMA 4X, IP66

D

Hazlux®

OUTLET BOXES — Designed for all Hazlite™ M3 Ballast Housings.

MOUNTING STYLE	CATALOG NUMBER	CONDUIT HUB SIZE	WT. EA. (LBS.)	MOUNTING STYLE	CATALOG NUMBER	CONDUIT HUB SIZE	WT. EA. (LBS.)
Rigid Pendant	VMP2	3/4"	1.3	Wall Mount	VMB2	3/4"	5.2
	VMP3	1"	1.3		VMB3	1"	5.2
Ceiling Mount	VMC2	3/4"	1.9	Stanchion Mount 25°	VMS4	1¼"	3.0
	VMC3	1	1.9		VMS5	1½"	3.0
				Stanchion Mount 90°	VML4	1¼"	3.0
					VML5	1½"	3.0
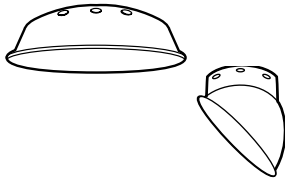
GLOBES OR REFRACTORS

CATALOG NO.	DESCRIPTION	WEIGHT EACH (Lbs.)
VGL15	Prismatic Glass 150 Watts Max.	2.8
VGT15	Heat-Resistant Prismatic Glass	2.8
VGL15R1	IES Type I Refractor	3.0
VGL15R3	IES Type III Refractor	3.0
VGL15R5	IES Type V Refractor	3.0
VRF22C5A	8" IES Type V Reflector	5.0
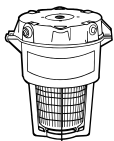
GUARDS

CATALOG NO.	DESCRIPTION	WEIGHT EACH (Lbs.)
VGU15	Cast aluminum - for use with glass globes or refractors	.7
VGU15P	Polymeric — for use with glass globes or refractors	.3
VGR32	For use with glass closed bottom refractors, (8" dia.)	1.5
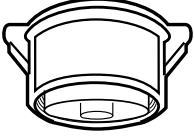
REFLECTORS

CATALOG NO.	DESCRIPTION	WEIGHT EACH (Lbs.)
VR15P	Standard Dome Fiber Glass Reinforced Polyester	2.4
VRA15P	30° Angle Reflector Fiber Glass Reinforced Polyester	2.3
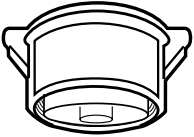
* *See General Information Page D5 for "Note Regarding Glass Globes and Refractors."*

| FIXTURE COMPONENTS | *Hazlite™ M3*

9 - 150 Watts | (UL) | • UL 844
• Class I, Div. 2, Groups A,B,C,D[1]
• Class II, Div. 1 & 2, Groups E,F,G; Class III[2]
• Enclosed and Gasketed
• UL 1598, Suitable for Wet Locations
• UL595 Marine
• NEMA 4X, IP66 |

D

Hazlux®
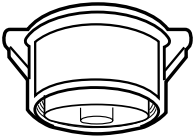
BALLAST HOUSINGS HIGH PRESSURE SODIUM High Power Factor - Reactor Type Ballast (Min. P.F. 90%)

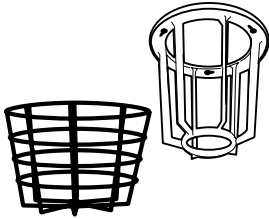|	WATTAGE	VOLTAGE	WEIGHT EACH (Lbs.)	CATALOG NUMBER	STD. PKG.
	35	120	5.7	**DSM03P12**	1
	50	120	6.2	**DSM05P12**	1
	70	120	6.4	**DSM07P12**	1
	100	120	6.9	**DSM10P12**	1
	150	120	7.9	**DSM15P12**	1
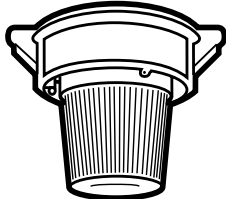
BALLAST HOUSINGS METAL HALIDE

	WATTAGE	VOLTAGE	WEIGHT EACH (Lbs.)	CATALOG NUMBER	STD. PKG.
	70	120		**DHM07H12**	1
	100	120		**DHM10H12**	1
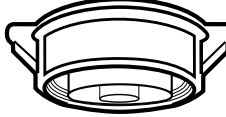
BALLAST HOUSINGS MERCURY VAPOR Constant Wattage Autotransformer Ballast (Min. P.F. 90%)

	WATTAGE	VOLTAGE	WEIGHT EACH (Lbs.)	CATALOG NUMBER	STD. PKG.
	50	120	6.9	**DMM05C12**	1
	75	120	7.7	**DMM75C12**	1
	100	120	7.9	**DMM10C12**	1

BALLAST HOUSING GLOBE & LAMP (S) FLUORESCENT[1] Includes Globe & Lamps shipped assembled to tank.
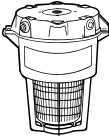
	WATTAGE	VOLTAGE	WEIGHT EACH (Lbs.)	CATALOG NUMBER	STD. PKG.
	9	120	8.5	**DFB09P120GD**	1
	13	120	8.5	**DFB13P120GD**	1
	18	120	10.9	**DFB18P120GD**	1
	26	120	10.9	**DFB26P120GD**	1
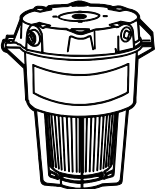
BALLAST HOUSING INCANDESCENT

	WATTAGE	VOLTAGE	WEIGHT EACH (Lbs.)	CATALOG NUMBER	STD. PKG.
	100	120	2.6	**DIM10012**	1
	150	120	2.6	**DIM15012**	**1**

① *Lamp (one or two) included with ballast housing (Fluorescent fixture only.)*
★ *See General Information Page D5 for "Note Regarding Glass Globes and Refractors."*

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HIGH PRESSURE SODIUM

WITH GLOBE AND GUARD

Hazlite™ M3

35 - 150 Watts

- UL 844
- Class I, Div. 2, Groups A,B,C,D[1]
- Class II, Div. 1 & 2, Groups E,F,G; Class III[2]
- Enclosed and Gasketed
- UL 1598, Suitable for Wet Locations
- UL595 Marine
- NEMA 4X, IP66

MOUNTING STYLE	LAMP ♦ WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER 120 Volt	WT. EACH (Lbs.)	CONSISTS OF:			
					Ballast Housing	Outlet Box	Globe	Guard
Rigid Pendant	35	3/4	**DSM03P120-GGL-P2**	10.1	DSM03P12	VMP2	VGL15	VGU15P
	35	1	**DSM03P120-GGL-P3**	10.1	DSM03P12	VMP3	VGL15	VGU15P
	50	3/4	**DSM05P120-GGL-P2**	10.6	DSM05P12	VMP2	VGL15	VGU15P
	50	1	**DSM05P120-GGL-P3**	10.6	DSM05P12	VMP3	VGL15	VGU15P
	70	3/4	**DSM07P120-TGL-P2**	11.0	DSM07P12	VMP2	VGT15	VGU15P
	70	1	**DSM07P120-TGL-P3**	11.0	DSM07P12	VMP3	VGT15	VGU15P
	100★	3/4	**DSM10P120-TGL-P2**	11.3	DSM10P12	VMP2	VGT15	VGU15P
	100★	1	**DSM10P120-TGL-P3**	11.3	DSM10P12	VMP3	VGT15	VGU15P
	150★	3/4	**DSM15P120-TGL-P2**	12.3	DSM15P12	VMP2	VGT15	VGU15P
	150★	1	**DSM15P120-TGL-P3**	12.3	DSM15P12	VMP3	VGT15	VGU15P
Ceiling Mount	35	3/4	**DSM03P120-GGL-C2**	10.7	DSM03P12	VMC2	VGL15	VGU15P
	35	1	**DSM03P120-GGL-C3**	10.7	DSM03P12	VMC3	VGL15	VGU15P
	50	3/4	**DSM05P120-GGL-C2**	11.2	DSM05P12	VMC2	VGL15	VGU15P
	50	1	**DSM05P120-GGL-C3**	11.2	DSM05P12	VMC3	VGL15	VGU15P
	70	3/4	**DSM07P120-TGL-C2**	11.4	DSM07P12	VMC2	VGT15	VGU15P
	70	1	**DSM07P120-TGL-C3**	11.4	DSM07P12	VMC3	VGT15	VGU15P
	100★	3/4	**DSM10P120-TGL-C2**	11.9	DSM10P12	VMC2	VGT15	VGU15P
	100★	1	**DSM10P120-TGL-C3**	11.9	DSM10P12	VMC3	VGT15	VGU15P
	150★	3/4	**DSM15P120-TGL-C2**	12.9	DSM15P12	VMC2	VGT15	VGU15P
	150★	1	**DSM15P120-TGL-C3**	12.9	DSM15P12	VMC3	VGT15	VGU15P
Wall Mount	35	3/4	**DSM03P120-GGL-B2**	14.0	DSM03P12	VMB2	VGL15	VGU15P
	35	1	**DSM03P120-GGL-B3**	14.0	DSM03P12	VMB3	VGL15	VGU15P
	50	3/4	**DSM05P120-GGL-B2**	14.5	DSM05P12	VMB2	VGL15	VGU15P
	50	1	**DSM05P120-GGL-B3**	14.5	DSM05P12	VMB3	VGL15	VGU15P
	70	3/4	**DSM07P120-TGL-B2**	14.7	DSM07P12	VMB2	VGT15	VGU15P
	70	1	**DSM07P120-TGL-B3**	14.7	DSM07P12	VMB3	VGT15	VGU15P
	100★	3/4	**DSM10P120-TGL-B2**	15.2	DSM10P12	VMB2	VGT15	VGU15P
	100★	1	**DSM10P120-TGL-B3**	15.2	DSM10P12	VMB3	VGT15	VGU15P
	150★	3/4	**DSM15P120-TGL-B2**	16.2	DSM15P12	VMB2	VGT15	VGU15P
	150★	1	**DSM15P120-TGL-B3**	16.2	DSM15P12	VMB3	VGT15	VGU15P
Stanchion Mount	35	1-1/4	**DSM03P120-GGL-S4**	11.8	DSM03P12	VMS4	VGL15	VGU15P
	35	1-1/2	**DSM03P120-GGL-S5**	11.8	DSM03P12	VMS5	VGL15	VGU15P
	50	1-1/4	**DSM05P120-GGL-S4**	12.3	DSM05P12	VMS4	VGL15	VGU15P
	50	1-1/2	**DSM05P120-GGL-S5**	12.3	DSM05P12	VMS5	VGL15	VGU15P
	70	1-1/4	**DSM07P120-TGL-S4**	12.5	DSM07P12	VMS4	VGT15	VGU15P
	70	1-1/2	**DSM07P120-TGL-S5**	12.5	DSM07P12	VMS5	VGT15	VGU15P
	100★	1-1/4	**DSM10P120-TGL-S4**	13.0	DSM10P12	VMS4	VGT15	VGU15P
	100★	1-1/2	**DSM10P120-TGL-S5**	13.0	DSM10P12	VMS5	VGT15	VGU15P
	150★	1-1/4	**DSM15P120-TGL-S4**	14.0	DSM15P12	VMS4	VGT15	VGU15P
	150★	1-1/2	**DSM15P120-TGL-S5**	14.0	DSM15P12	VMS5	VGT15	VGU15P

Standard Dome Reflector:
Catalog No. VR15P

Angle Reflector:
Catalog No. VRA15P

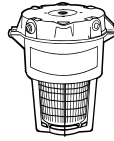**GUARD:** If a guard is not required delete "L" from the Catalog Number.

♦ *All fixtures are designed for medium base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).*
★ *Verify Class II suitability on Hazlite Certification Guide General Information Page D7.*
* *See General Information Page D5 for "Note Regarding Glass Globes and Refractors."*

Thomas&Betts

HIGH PRESSURE SODIUM	*Hazlite*™ *M3*	UL	
HIGH PRESSURE SODIUM **WITH REFRACTOR AND GUARD** **(TYPE V, REFRACTOR)**	**35 - 150 Watts**		• UL 844 • Class I, Div. 2, Groups A,B,C,D[1] • Class II, Div. 1 & 2, Groups E,F,G; Class III[2] • Enclosed and Gasketed • UL 1598, Suitable for Wet Locations • UL595 Marine • NEMA 4X, IP66

D

Hazlux®

MOUNTING STYLE	LAMP ♦ WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER 120 Volt	WT. EACH (Lbs.)	CONSISTS OF:			
					Ballast Housing	Outlet Box	Refractor	Globe
Rigid Pendant	35	3/4	**DSM03P120-R5P-P2**	10.3	DSM03P12	VMP2	VGL15R5	VGU15P
	35	1	**DSM03P120-R5P-P3**	10.3	DSM03P12	VMP3	VGL15R5	VGU15P
	50	3/4	**DSM05P120-R5P-P2**	10.8	DSM05P12	VMP2	VGL15R5	VGU15P
	50	1	**DSM05P120-R5P-P3**	10.8	DSM05P12	VMP3	VGL15R5	VGU15P
	70	3/4	**DSM07P120-R5P-P2**	11.0	DSM07P12	VMP2	VGL15R5	VGU15P
	70	1	**DSM07P120-R5P-P3**	11.0	DSM07P12	VMP3	VGL15R5	VGU15P
	100★	3/4	**DSM10P120-R5P-P2**	11.5	DSM10P12	VMP2	VGL15R5	VGU15P
	100★	1	**DSM10P120-R5P-P3**	11.5	DSM10P12	VMP3	VGL15R5	VGU15P
	150★	3/4	**DSM15P120-R5P-P2**	12.5	DSM15P12	VMP2	VGL15R5	VGU15P
	150★	1	**DSM15P120-R5P-P3**	12.5	DSM15P12	VMP3	VGL15R5	VGU15P
Ceiling Mount	35	3/4	**DSM03P120-R5P-C2**	10.9	DSM03P12	VMC2	VGL15R5	VGU15P
	35	1	**DSM03P120-R5P-C3**	10.9	DSM03P12	VMC3	VGL15R5	VGU15P
	50	3/4	**DSM05P120-R5P-C2**	11.4	DSM05P12	VMC2	VGL15R5	VGU15P
	50	1	**DSM05P120-R5P-C3**	11.4	DSM05P12	VMC3	VGL15R5	VGU15P
	70	3/4	**DSM07P120-R5P-C2**	11.6	DSM07P12	VMC2	VGL15R5	VGU15P
	70	1	**DSM07P120-R5P-C3**	11.6	DSM07P12	VMC3	VGL15R5	VGU15P
	100★	3/4	**DSM10P120-R5P-C2**	12.1	DSM10P12	VMC2	VGL15R5	VGU15P
	100★	1	**DSM10P120-R5P-C3**	12.1	DSM10P12	VMC3	VGL15R5	VGU15P
	150★	3/4	**DSM15P120-R5P-C2**	13.1	DSM15P12	VMC2	VGL15R5	VGU15P
	150★	1	**DSM15P120-R5P-C3**	13.1	DSM15P12	VMC3	VGL15R5	VGU15P
Wall Mount	35	3/4	**DSM03P120-R5P-B2**	14.2	DSM03P12	VMB2	VGL15R5	VGU15P
	35	1	**DSM03P120-R5P-B3**	14.2	DSM03P12	VMB3	VGL15R5	VGU15P
	50	3/4	**DSM05P120-R5P-B2**	14.7	DSM05P12	VMB2	VGL15R5	VGU15P
	50	1	**DSM05P120-R5P-B3**	14.7	DSM05P12	VMB3	VGL15R5	VGU15P
	70	3/4	**DSM07P120-R5P-B2**	14.9	DSM07P12	VMB2	VGL15R5	VGU15P
	70	1	**DSM07P120-R5P-B3**	14.9	DSM07P12	VMB3	VGL15R5	VGU15P
	100★	3/4	**DSM10P120-R5P-B2**	15.4	DSM10P12	VMB2	VGL15R5	VGU15P
	100★	1	**DSM10P120-R5P-B3**	15.4	DSM10P12	VMB3	VGL15R5	VGU15P
	150★	3/4	**DSM15P120-R5P-B2**	16.4	DSM15P12	VMB2	VGL15R5	VGU15P
	150★	1	**DSM15P120-R5P-B3**	16.4	DSM15P12	VMB3	VGL15R5	VGU15P
Stanchion Mount	35	1-1/4	**DSM03P120-R5P-S4**	12.0	DSM03P12	VMS4	VGL15R5	VGU15P
	35	1-1/2	**DSM03P120-R5P-S5**	12.0	DSM03P12	VMS5	VGL15R5	VGU15P
	50	1-1/4	**DSM05P120-R5P-S4**	12.5	DSM05P12	VMS4	VGL15R5	VGU15P
	50	1-1/2	**DSM05P120-R5P-S5**	12.5	DSM05P12	VMS5	VGL15R5	VGU15P
	70	1-1/4	**DSM07P120-R5P-S4**	12.7	DSM07P12	VMS4	VGL15R5	VGU15P
	70	1-1/2	**DSM07P120-R5P-S5**	12.7	DSM07P12	VMS5	VGL15R5	VGU15P
	100★	1-1/4	**DSM10P120-R5P-S4**	13.2	DSM10P12	VMS4	VGL15R5	VGU15P
	100★	1-1/2	**DSM10P120-R5P-S5**	13.2	DSM10P12	VMS5	VGL15R5	VGU15P
	150★	1-1/4	**DSM15P120-R5P-S4**	14.2	DSM15P12	VMS4	VGL15R5	VGU15P
	150★	1-1/2	**DSM15P120-R5P-S5**	14.2	DSM15P12	VMS5	VGL15R5	VGU15P

GUARD: If a guard is not required delete "P" from the Catalog Number.
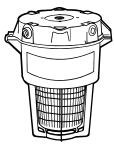
■ *Catalog Number is for a Type V Refractor. Refer to General Information Page D97, for Type I or III Refractor Catalog Numbers.*
♦ *All fixtures are designed for medium base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).*
★ *Verify Class II suitability on Hazlite Certification Guide General Information Page D7.*
✶ *See General Information Page D5 for "Note Regarding Glass Globes and Refractors."*

Thomas&Betts

METAL HALIDE
WITH GLOBE AND GUARD

Hazlite™ M3

70 - 100 Watts

(UL)

- UL 844
- Class I, Div. 2, Groups A,B,C,D[1]
- Class II, Div. 1 & 2, Groups E,F,G; Class III[2]
- Enclosed and Gasketed
- UL 1598, Suitable for Wet Locations
- UL595 Marine
- NEMA 4X, IP66

D

Hazlux®

MOUNTING STYLE	LAMP ♦ WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER 120 Volt	WT. EACH (Lbs.)	CONSISTS OF:			
					Ballast Housing	Outlet Box	Globe	Guard
Rigid Pendant	70	3/4	DHM07H120-TGL-P2	11.5	DHM07H12	VMP2	VGT15	VGU15P
	70	1	DHM07H120-TGL-P3	11.5	DHM07H12	VMP3	VGT15	VGU15P
	100	3/4	DHM10H120-TGL-P2	12.0	DHM10H12	VMP2	VGT15	VGU15P
	100	1	DHM10H120-TGL-P3	12.0	DHM10H12	VMP3	VGT15	VGU15P
Ceiling Mount	70	3/4	DHM07H120-TGL-C2	12.6	DHM07H12	VMC2	VGT15	VGU15P
	70	1	DHM07H120-TGL-C3	12.6	DHM07H12	VMC3	VGT15	VGU15P
	100	3/4	DHM10H120-TGL-C2	13.1	DHM10H12	VMC2	VGT15	VGU15P
	100	1	DHM10H120-TGL-C3	13.1	DHM10H12	VMC3	VGT15	VGU15P
Wall Mount	70	3/4	DHM07H120-TGL-B2	15.4	DHM07H12	VMB2	VGT15	VGU15P
	70	1	DHM07H120-TGL-B3	15.4	DHM07H12	VMB3	VGT15	VGU15P
	100	3/4	DHM10H120-TGL-B2	15.9	DHM10H12	VMB2	VGT15	VGU15P
	100	1	DHM10H120-TGL-B3	15.9	DHM10H12	VMB3	VGT15	VGU15P
Stanchion Mount	70	1-1/4	DHM07H120-TGL-S4	13.2	DHM07H12	VMS4	VGT15	VGU15P
	70	1-1/2	DHM07H120-TGL-S5	13.2	DHM07H12	VMS5	VGT15	VGU15P
	100	1-1/4	DHM10H120-TGL-S4	13.7	DHM10H12	VMS4	VGT15	VGU15P
	100	1-1/2	DHM10H120-TGL-S5	13.7	DHM10H12	VMS5	VGT15	VGU15P

Standard Dome Reflector:
Catalog No. VR15P

Angle Reflector:
Catalog No. VRA15P

GUARD: If a guard is not required delete "L" from the Catalog Number.

♦ *All fixtures are designed for medium base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).*
* *See General Information Page D5 for "Note Regarding Glass Globes and Refractors."*
★ *Verify Class II suitability using chart D on page D7.*

Thomas&Betts

MERCURY VAPOR
WITH GLOBE AND GUARD

INCANDESCENT
WITH GLOBE AND GUARD

Hazlite™ M3

50 - 150 Watts

(UL)

- UL 844
- Class I, Div. 2, Groups A,B,C,D[1]
- Class II, Div. 1 & 2, Groups E,F,G; Class III[2]
- Enclosed and Gasketed
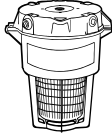- UL 1598, Suitable for Wet Locations
- UL595 Marine
- NEMA 4X, IP66

D

Hazlux®

MERCURY VAPOR

MOUNTING STYLE	LAMP ◆ WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER 120 Volt	WT. EACH (Lbs.)	CONSISTS OF: Ballast Housing	Outlet Box	Globe	Guard
Rigid Pendant	50	3/4	DMM05C120-GGL-P2	11.3	DMM05C12	VMP2	VGL15	VGU15P
	50	1	DMM05C120-GGL-P3	11.3	DMM05C12	VMP3	VGL15	VGU15P
	75	3/4	DMM75C120-TGL-P2	12.1	DMM75C12	VMP2	VGT15	VGU14P
	75	1	DMM75C120-TGL-P3	12.1	DMM75C12	VMP3	VGT15	VGU15P
	100	3/4	DMM10C120-TGL-P2	12.3	DMM10C12	VMP2	VGT15	VGU15P
	100	1	DMM10C120-TGL-P3	12.3	DMM10C12	VMP3	VGT15	VGU15P
Ceiling Mount	50	3/4	DMM05C120-GGL-C2	11.9	DMM05C12	VMC2	VGL15	VGU15P
	50	1	DMM05C120-GGL-C3	11.9	DMM05C12	VMC3	VGL15	VGU15P
	75	3/4	DMM75C120-TGL-C2	12.7	DMM75C12	VMC2	VGT15	VGU15P
	75	1	DMM75C120-TGL-C3	12.7	DMM75C12	VMC3	VGT15	VGU15P
	100★	3/4	DMM10C120-TGL-C2	12.9	DMM10C12	VMC2	VGT15	VGU15P
	100★	1	DMM10C120-TGL-C3	12.9	DMM10C12	VMC3	VGT15	VGU15P
Wall Mount	50	3/4	DMM05C120-GGL-B2	15.2	DMM05C12	VMB2	VGL15	VGU15P
	50	1	DMM05C120-GGL-B3	15.2	DMM05C12	VMB3	VGL15	VGU15P
	75	3/4	DMM75C120-TGL-B2	16.0	DMM75C12	VMB2	VGT15	VGU15P
	75	1	DMM75C120-TGL-B3	16.0	DMM75C12	VMB3	VGT15	VGU15P
	100★	3/4	DMM10C120-TGL-B2	16.2	DMM10C12	VMB2	VGT15	VGU15P
	100★	1	DMM10C120-TGL-B3	16.2	DMM10C12	VMB3	VGT15	VGU15P
Stanchion Mount	50	1-1/4	DMM05C120-GGL-S4	13.0	DMM05C12	VMS4	VGL15	VGU15P
	50	1-1/2	DMM05C120-GGL-S5	13.0	DMM05C12	VMS5	VGL15	VGU15P
	75	1-1/4	DMM75C120-TGL-S4	13.8	DMM75C12	VMS4	VGT15	VGU15P
	75	1-1/2	DMM75C120-TGL-S5	13.8	DMM75C12	VMS5	VGT15	VGU15P
	100★	1-1/4	DMM10C120-TGL-S4	14.0	DMM10C12	VMS4	VGT15	VGU15P
	100★	1-1/2	DMM10C120-TGL-S5	14.0	DMM10C12	VMS5	VGT15	VGU15P

INCANDESCENT 60-100-150 WATTS

MOUNTING STYLE	LAMP WATTS	CONDUIT SIZE	CATALOG NUMBER	WT. EACH	Ballast Housing	Outlet Box	Globe	Guard
Rigid Pendant	100★	3/4	DIM10012-GGL-P2	7.0	DIM10012	VMP2	VGL15	VGU15P
	100★	1	DIM10012-GGL-P3	7.0	DIM10012	VMP3	VGL15	VGU15P
	150★	3/4	DIM15012-GGL-P2	7.0	DIM15012	VMP2	VGL15	VGU15P
	150★	1	DIM15012-GGL-P3	7.0	DIM15012	VMP3	VGL15	VGU15P
Ceiling Mount	100★	3/4	DIM10012-GGL-C2	7.6	DIM10012	VMC2	VGL15	VGU15P
	100★	1	DIM10012-GGL-C3	7.6	DIM10012	VMC3	VGL15	VGU15P
	150★	3/4	DIM15012-GGL-C2	7.6	DIM15012	VMC2	VGL15	VGU15P
	150★	1	DIM15012-GGL-C3	7.6	DIM15012	VMC3	VGL15	VGU15P
Wall Mount	100★	3/4	DIM10012-GGL-B2	10.9	DIM10012	VMB2	VGL15	VGU15P
	100★	1	DIM10012-GGL-B3	10.9	DIM10012	VMB3	VGL15	VGU15P
	150★	3/4	DIM15012-GGL-B2	10.9	DIM15012	VMB2	VGL15	VGU15P
	150★	1	DIM15012-GGL-B3	10.9	DIM15012	VMB3	VGL15	VGU15P
Stanchion Mount	100★	1-1/4	DIM10012-GGL-S4	8.7	DIM10012	VMS4	VGL15	VGU15P
	100★	1-1/2	DIM10012-GGL-S5	8.7	DIM10012	VMS5	VGL15	VGU15P
	150★	1-1/4	DIM15012-GGL-S4	8.7	DIM15012	VMS4	VGL15	VGU15P
	150★	1-1/2	DIM15012-GGL-S5	8.7	DIM15012	VMS5	VGL15	VGU15P

Standard Dome Reflector:
Catalog No. VR15P

Angle Reflector:
Catalog No. VRA15P

GUARD: If a guard is not required delete "GL" from the Catalog Number.

◆ *All fixtures are designed for medium base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).*
* *See General Information Page D5 for "Note Regarding Glass Globes and Refractors."* ★ *Verify Class II suitability using chart D on page D7.*

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FLUORESCENT
WITH GLOBE AND GUARD

Hazlite™ M3

9 - 26 Watts

- UL 844
- Class I, Div. 2, Groups A,B,C,D[1]
- Class II, Div. 1 & 2, Groups E,F,G; Class III[2]
- Enclosed and Gasketed
- UL 1598, Suitable for Wet Locations
- UL595 Marine
- NEMA 4X, IP66

D

Hazlux®

MOUNTING STYLE	LAMP ♦ WATTS	CONDUIT SIZE (Inches)	CATALOG NUMBER 120 Volt	WT. EACH (Lbs.)	CONSISTS OF:		
					Ballast Housing, Globe & Lamp(s)	Outlet Box	Guard
Rigid Pendant	9	3/4	**DFB09P120-GGL-P2E**	10.1	DFB09P120GE	VMP2	VGU15P
	9	1	**DFB09P120-GGL-P3E**	10.1	DFB09P120GE	VMP3	VGU15P
	13	3/4	**DFB13P120-GGL-P2E**	10	DFB13P120GE	VMP2	VGU15P
	13	1	**DFB13P120-GGL-P3E**	10	DFB13P120GE	VMP3	VGU15P
	18	3/4	**DFB18P120-GGL-P2E**	10.5	DFB18P120GE	VMP2	VGU15P
	18	1	**DFB18P120-GGL-P3E**	10.5	DFB18P120GE	VMP3	VGU15P
	26	3/4	**DFB26P120-GGL-P2E**	10	DFB26P120GE	VMP2	VGU15P
	26	1	**DFB26P120-GGL-P3E**	10	DFB26P120GE	VMP3	VGU15P
Ceiling Mount	9	3/4	**DFB09P120-GGL-C2E**	10.7	DFB09P120GE	VMC2	VGU15P
	9	1	**DFB09P120-GGL-C3E**	10.7	DFB09P120GE	VMC3	VGU15P
	13	3/4	**DFB13P120-GGL-C2E**	10	DFB13P120GE	VMC2	VGU15P
	13	1	**DFB13P120-GGL-C3E**	10	DFB13P120GE	VMC3	VGU15P
	18	3/4	**DFB18P120-GGL-C2E**	11.1	DFB18P120GE	VMC2	VGU15P
	18	1	**DFB18P120-GGL-C3E**	11.1	DFB18P120GE	VMC3	VGU15P
	26	3/4	**DFB26P120-GGL-C2E**	11	DFB26P120GE	VMC3	VGU15P
	26	1	**DFB26P120-GGL-C3E**	11	DFB26P120GE	VMC3	VGU15P
Wall Mount	9	3/4	**DFB09P120-GGL-B2E**	14	DFB09P120GE	VMB2	VGU15P
	9	1	**DFB09P120-GGL-B3E**	14	DFB09P120GE	VMB3	VGU15P
	13	3/4	**DFB13P120-GGL-B2E**	14	DFB13P120GE	VMB2	VGU15P
	13	1	**DFB13P120-GGL-B3E**	14	DFB13P120GE	VMB3	VGU15P
	18	3/4	**DFB18P120-GGL-B2E**	14.4	DFB18P120GE	VMB2	VGU15P
	18	1	**DFB18P120-GGL-B3E**	14.4	DFB18P120GE	VMB3	VGU15P
	26	3/4	**DFB26P120-GGL-B2E**	14	DFB26P120GE	VMB2	VGU15P
	26	1	**DFB26P120-GGL-B3E**	14	DFB26P120GE	VMB3	VGU15P
Stanchion Mount	9	1-1/4	**DFB09P120-GGL-S2E**	11.8	DFB09P120GE	VMS4	VGU15P
	9	1-1/2	**DFB09P120-GGL-S3E**	11.8	DFB09P120GE	VMS5	VGU15P
	13	1-1/4	**DFB13P120-GGL-S2E**	11.8	DFB13P120GE	VMS4	VGU15P
	13	1-1/2	**DFB13P120-GGL-S3E**	11.8	DFB13P120GE	VMS5	VGU15P
	18	1-1/4	**DFB18P120-GGL-S2E**	12.2	DFB18P120GE	VMS4	VGU15P
	18	1-1/2	**DFB18P120-GGL-S3E**	12.2	DFB18P120GE	VMS5	VGU15P
	26	1-1/4	**DFB26P120-GGL-S2E**	12.2	DFB26P120GE	VMS4	VGU15P
	26	1-1/2	**DFB26P120-GGL-S3E**	12.2	DFB26P120GE	VMS5	VGU15P

Standard Dome Reflector:
Catalog No. VR15P

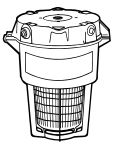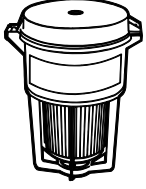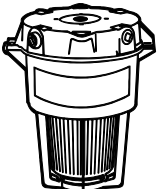**Angle Reflector:**
Catalog No. VRA15P

GUARD: If a guard is not required delete "GL" from the Catalog Number.

♦ *Fluorescent fixtures use PL type lamps (one or two lamps included).*
* *See General Information Page D5 for "Note Regarding Glass Globes and Refractors."*

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Hazlite™ M3
Dimensional Drawings
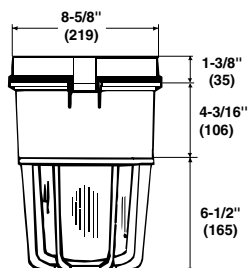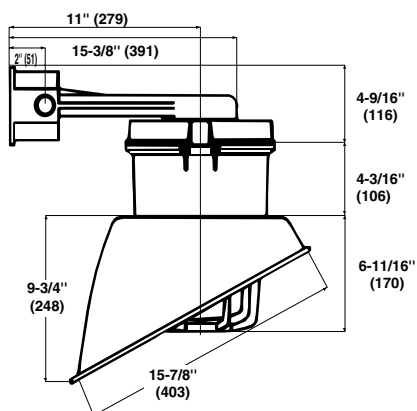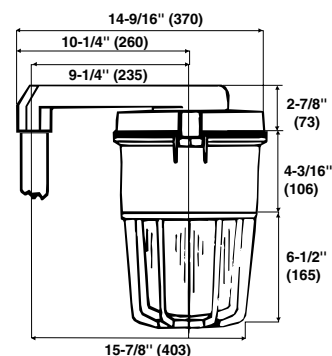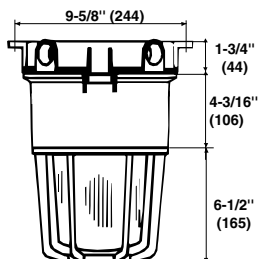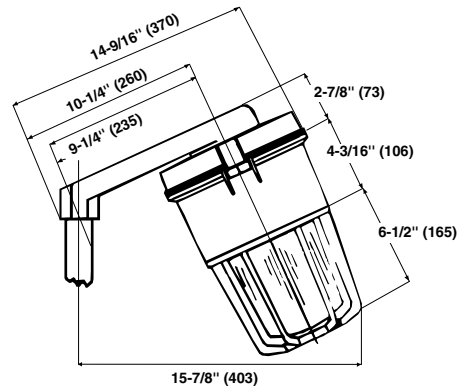
D

Hazlux®

8-5/8" (219)
1-3/8" (35)
4-3/16" (106)
6-1/2" (165)

RIGID PENDANT

11" (279)
15-3/8" (391)
2" (51)
4-9/16" (116)
4-3/16" (106)
9-3/4" (248)
6-11/16" (170)
15-7/8" (403)

WALL MOUNT

14-9/16" (370)
10-1/4" (260)
9-1/4" (235)
2-7/8" (73)
4-3/16" (106)
6-1/2" (165)
15-7/8" (403)

25° STANCHION MOUNT

9-5/8" (244)
1-3/4" (44)
4-3/16" (106)
6-1/2" (165)

CEILING MOUNT

14-9/16" (370)
10-1/4" (260)
9-1/4" (235)
2-7/8" (73)
4-3/16" (106)
6-1/2" (165)
15-7/8" (403)

90° STANCHION MOUNT

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Hazlux®

INCANDESCENT LIGHTING FIXTURES for
CLASS I, DIVISION 1 and 2;
CLASS II;
WET and MARINE LOCATIONS*

Check individual product listings for specific suitabilities.

D

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INCANDESCENT LIGHTING FIXTURES CATALOG NUMBERING SYSTEM

Hazlite™ M4 Incandescent

(UL)

(CSA)

- Class 1, Division 2, Groups A, B, C, D
- Class II, Division 1, Groups E, F, G‡
- Enclosed and Gasketed for Wet Locations
- UL 1595 Marine
- NEMA 4X, IP66

D

Hazlux®

Catalog Numbering System

VDA   2 5 GP - RD - P

①   ②③④   ⑤   ⑥
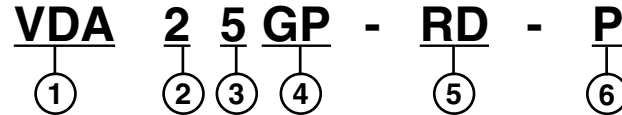
1) Fixture Type and Mounting Style

VDA	=	M4 Pendant Mount Fixture
VXH	=	M4 Fixture Body for Ceiling, Wall or Stanchion Mount
VXHA	=	M4 Stanchion Mount Fixture
VXHB	=	M4 Wall Mount Fixture (no box)
VXHBF	=	M4 Wall Mount Fixture (with box)
VXHF	=	M4 Ceiling Mount Fixture (with box)

2) HUB SIZE

1	=	1/2" NPT Hub (except VXH & VXHB: No Hubs)
2	=	3/4" NPT Hub
4	=	1-1/4" NPT Hub

3) Incandescent Lamp Wattage

5	=	150 Watt maximum
2	=	200 to 300 watt

4) OPTICAL ASSEMBLY OPTIONS

G	=	Clear Glass Globe (VGL)
GP	=	Clear Globe and Polymeric Guard
TG	=	Tempered Glass Globe (VGT)

∗∗ *150 Watt Maximum*
‡ Pendant mount fixtures only.

TGP	=	Tempered Glass Globe and Polymeric Guard
ACG	=	Amber Glass Globe (VGL22A only)
BCG	=	Blue Glass Globe (VGL22B only)
GCG	=	Green Glass Globe (VGL22G only)
RCG	=	Red Glass Globe (VGL22R only)
ACGP	=	Amber Glass Globe and Polymeric Guard
BCGP	=	Blue Glass Globe and Polymeric Guard
GCGP	=	Green Glass Globe and Polymeric Guard
RCGP	=	Red Glass Globe and Polymeric Guard

5) REFLECTOR OPTIONS

RD	=	Dome Reflector (VR15P or VR22P)
RA	=	Angle Reflector (VRA15P or VRA22P)

6) PACKAGING OPTIONS

P	=	ProjecPak™ Packaging (All components in one carton, unassembled)

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INCANDESCENT LIGHTING FIXTURES STANDARD DESIGN FEATURES	*Hazlite™ M4 Incandescent*	(UL) (CSA)	• Class 1, Division 2, Groups A, B, C, D • Class II, Division 1, Groups E, F, G‡ • Enclosed and Gasketed for Wet Locations • UL 1595 Marine • NEMA 4X, IP66

D

Hazlux®

Features & Benefits
• Copper-free aluminum construction for strength, durability and light weight.
• Powder epoxy finish for added corrision resistance.
• Fully threaded glass globes and refractors and silicone rubber gaskets seal out dirt, dust and moisture.
• Bright white FRP material reflectors optimize light output, resist corrosion and abuse.
• Clear glass globes are standard; tempered globes, colored glass globes also available.
• 1¾" deep boxes are standard on ceiling and wall mount fixtures; 3" deep boxes available for added wiring room.
• Easy to assemble modular construction provides flexibility for distributors and installers.
• Four mounting styles — pendant, ceiling, wall, angle stanchion — to meet all mounting needs.
• Polycarbonate guards are corrosion and impact resistant and do not interfere with globe seal.
• Two basic sizes cover all popular wattages up to 300 watts.

Applications
• Chemical Plants
• Oil Refineries
• Petrochemical plants
• Waste water treatment facilities
• Power plants
• Auto manufacturing plants
• Offshore platforms
• Pulp and paper mills
• Food processing facilities
• Tunnels, storage areas, building entrances
• Other wet, dirty, industrial applications
• Other Class I, Division 2 applications
• Marinas
• Original Equipment Manufacturers

Classifications
• UL and CSA listed for Class I, Division 2, Groups A, B, C & D
• UL and CSA listed for Wet Locations*
• UL Listed for Class II, Division I, Groups, E, F, G (Pendant mount fixtures only)
• UL Listed (UL1595) for Marine Locations
• NEMA 4X, IP66

*Use VGT15 and VGT22 globes.
‡ Pendant mount fixtures only.
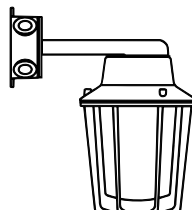
Pendant Ceiling Wall with Box Angle Stanchion
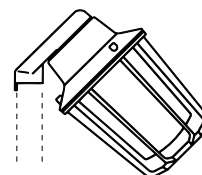
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INCANDESCENT LIGHTING FIXTURES
DESIGN LAYOUT SYSTEM

Hazlite™ M4 Incandescent

UL

CSA

• Class 1, Division 2, Groups A, B, C, D
• Class II, Division 1, Groups E, F, G‡
• Enclosed and Gasketed for Wet Locations
• UL 1595 Marine
• NEMA 4X, IP66

D

Hazlux®

ELECTRIC LIGHTING FIXTURES FOR INDUSTRIAL AND HAZARDOUS LOCATIONS

VXB   VXA4   VXF

VXH15   VDA15

VGL15   VGL15R1   VGL15   VGL15R1

VGU15P   VGU15P   VGU15P   VGU15P

VR15P   VRA15P   VR15P   VRA15P

‡ Pendant mount fixtures only.

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| INCANDESCENT LIGHTING FIXTURES **COMPLETE ASSEMBLIES** | *Hazlite™ M4 Incandescent* | (UL) (CSA) | • Class 1, Division 2, Groups A, B, C, D
• Class II, Division 1, Groups E, F, G‡
• Enclosed and Gasketed for Wet Locations
• UL 1595 Marine
• NEMA 4X, IP66 |

D

Hazlux®

PENDANT MOUNT INCANDESCENT FIXTURE ASSEMBLIES①

WATTAGE MAXIMUM LAMP SIZE	CONDUIT HUB SIZE	CATALOG NUMBER		
		With Globe & Guard	**With Globe, Guard & Dome Reflector**	**With Globe, Guard & Angle Reflector**
150 Watt	1/2" 3/4"	**VDA15GP** **VDA25GP**	**VDA15GPRD** **VDA25GPRD**	**VDA15GPRA** **VDA25GPRA**
300 Watt	1/2" 3/4"	**VDA12GP** **VDA22GP**	**VDA12GPRD** **VDA22GPRD**	**VDA12GPRA** **VDA22GPRA**

CEILING MOUNT INCANDESCENT FIXTURE ASSEMBLIES①

WATTAGE MAXIMUM LAMP SIZE	CONDUIT HUB SIZE	CATALOG NUMBER		
		With Globe & Guard	**With Globe, Guard & Dome Reflector**	**With Globe, Guard & Angle Reflector**
150 Watt	1/2" 3/4"	**VXHF15GP** **VXHF25GP**	**VXHF15GPRD** **VXHF25GPRD**	**VXHF15GPRA** **VXHF25GPRA**
300 Watt	1/2" 3/4"	**VXHF12GP** **VXHF22GP**	**VXHF12GPRD** **VXHF22GPRD**	**VXHF12GPRA** **VXHF22GPRA**

WALL MOUNT INCANDESCENT FIXTURE ASSEMBLIES①②

WATTAGE MAXIMUM LAMP SIZE	CONDUIT HUB SIZE	CATALOG NUMBER		
		With Globe & Guard	**With Globe, Guard & Dome Reflector**	**With Globe, Guard & Angle Reflector**
150 Watt	1/2" 3/4"	**VXHBF15GP** **VXHBF25GP**	**VXHBF15GPRD** **VXHBF25GPRD**	**VXHBF15GPRA** **VXHBF25GPRA**
300 Watt	1/2" 3/4"	**VXHBF12GP** **VXHBF22GP**	**VXHBF12GPRD** **VXHBF22GPRD**	**VXHBF12GPRA** **VXHBF22GPRA**

STANCHION MOUNT INCANDESCENT FIXTURE ASSEMBLIES①
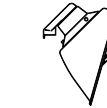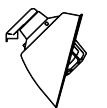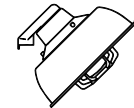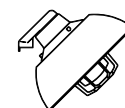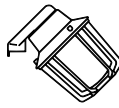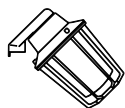
WATTAGE MAXIMUM LAMP SIZE	CONDUIT HUB SIZE	CATALOG NUMBER		
		With Globe & Guard	**With Globe, Guard & Dome Reflector**	**With Globe, Guard & Angle Reflector**
150 Watt	1-1/4"	**VXHA45GP**	**VXHA45GPRD**	**VXHA45GPRA**
200-300 Watt	1-1/4"	**VXHA42GP**	**VXHA42GPRD**	**VXHA42GPRA**

① To order or specify any Hazlite M4 fixture without guard, delete "P" from catalog number. Ex.: VDA25G; VXHF22GRD; VXHBF25GRD; VXHA42GRA
② To order or specify Wall Mount fixture without junction box, delete "F" from catalog number. Example: VXHB25GP
‡ Pendant mount fixtures only.

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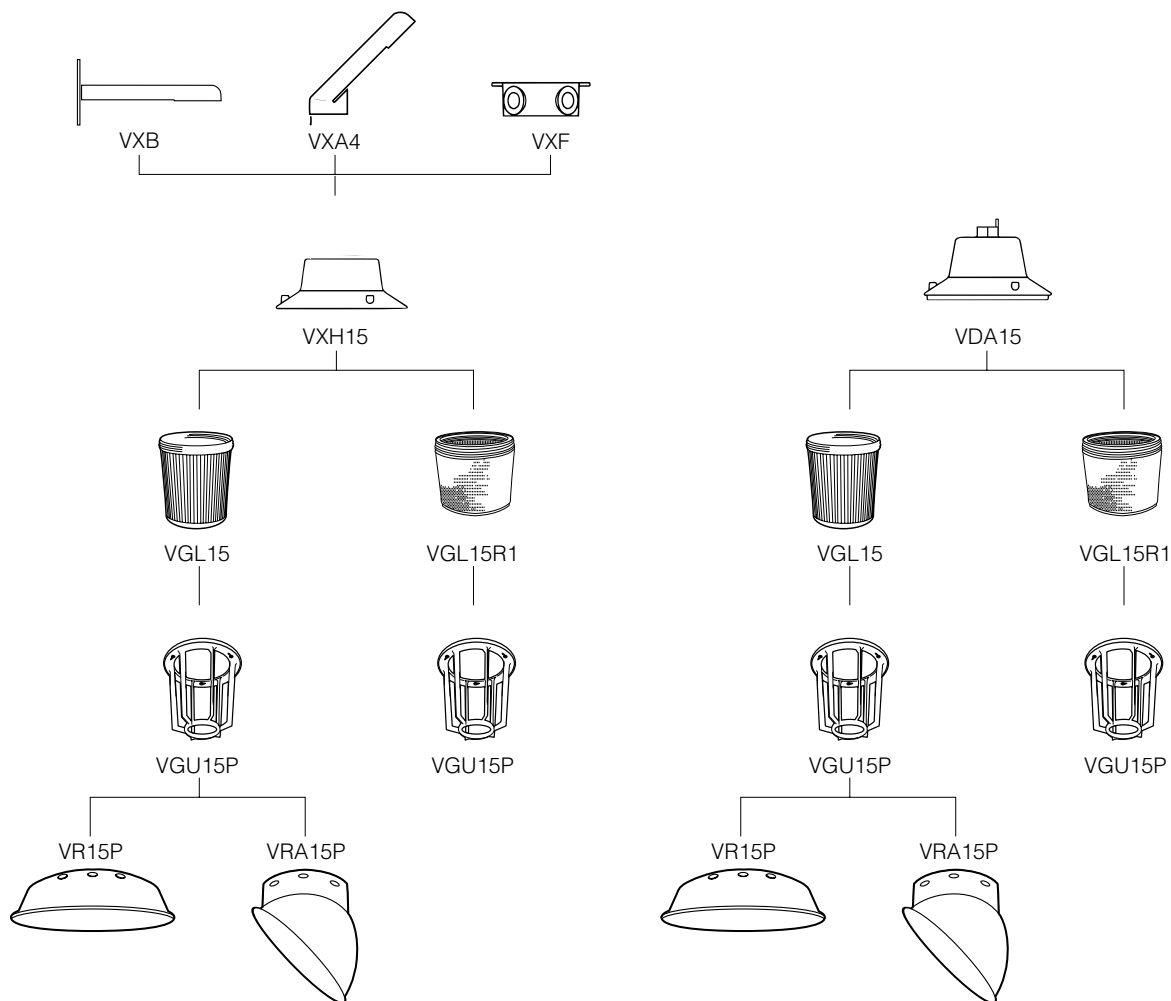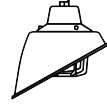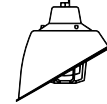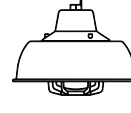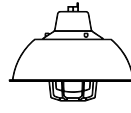© 2002 Thomas & Betts Corporation. Specifications are subject to change without notice. **www.tnb.com**

INCANDESCENT LIGHTING FIXTURES FIXTURE COMPONENTS
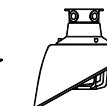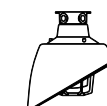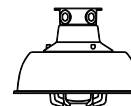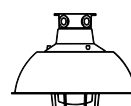
Hazlite™ M4 Incandescent

- Class 1, Division 2, Groups A, B, C, D
- Class II, Division 1, Groups E, F, G‡
- Enclosed and Gasketed for Wet Locations
- UL 1595 Marine
- NEMA 4X, IP66

D

Hazlux®

WALL MOUNT BRACKET ARM
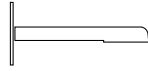
CONDUIT HUB SIZE	CATALOG NUMBER
*	**VXB**

STANCHION MOUNT BRACKET ARM
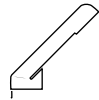
CONDUIT HUB SIZE	CATALOG NUMBER
1-1/4"	**VXA4**

FIXTURE HANGER HUB COVER FOR VXF AND VXFD BOXES

CONDUIT HUB SIZE	CATALOG NUMBER
1/2"	**VHC1**
3/4"	**VHC2**
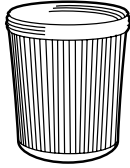
FLAT COVER FOR VXF AND VXFD BOXES

	CATALOG NUMBER
	VFC

GASKET FOR HUB COVERS, FLAT COVER AND BRACKET ARMS

	CATALOG NUMBER
	GASK643
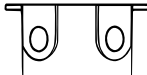
GLASS GLOBES

COLOR	CATALOG NUMBER WATTAGE, MAXIMUM LAMP SIZE	
	150 Watt	200-300 Watt
Clear	**VGL15**	**VGL22**
Clear, Heat Resistant	**VGT15**	**VGT22**
Red	**VGT15R**	**VGT22R**
Green	**VT15G**	**VGT22G**
Blue	**VGT15B**	**VGT22B**
Amber	**VGT15A**	**VGT22A**

STANDARD JUNCTION BOX (1-3/4'' Inside Depth) FOR WALL OR CEILING MOUNT FIXTURES

CONDUIT HUB SIZE	CATALOG NUMBER	
	4 Hubs	5 Hubs
1/2"	**VXF10**	**VXFT10**
3/4"	**VXF20**	**VXFT20**

DEEP JUNCTION BOX (3'' Inside Depth) FOR WALL OR CEILING MOUNT FIXTURES

CONDUIT HUB SIZE	CATALOG NUMBER	
	4 Hubs	5 Hubs
1/2"	**VXFD10**	**VXFDT10**
3/4"	**VXFD20**	**VXFDT20**
1"	**VXFD30**	**VXFDT30**

REFLECTORS

Dome / Angle	STYLE	CATALOG NUMBER WATTAGE, MAXIMUM LAMP SIZE	
		150 Watt	200-300 Watt
	Dome	**VR15P**	**VR22P**
	Angled	**VRA15P**	**VRA22P**

‡ Pendant mount fixtures only.

INCANDESCENT LIGHTING FIXTURES FIXTURE COMPONENTS	*Hazlite™ M4 Incandescent*		• Class 1, Division 2, Groups A, B, C, D • Class II, Division 1, Groups E, F, G‡ • Enclosed and Gasketed for Wet Locations • UL 595 Marine • NEMA 4X, IP66

D

Hazlux®

PENDANT MOUNT INCANDESCENT FIXTURE BODY
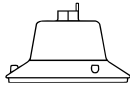
WATTAGE MAXIMUM LAMP SIZE	CONDUIT HUB SIZE	CATALOG NUMBER
150 Watt	1/2" 3/4"	**VDA15** **VDA25**
200-300 Watt	1/2" 3/4"	**VDA12** **VDA22**

GUARDS

WATTAGE MAXIMUM LAMP SIZE	CATALOG NUMBER
150 Watt	**VGU15P**
200-300 Watt	**VGU22P**

CEILING, WALL OR STANCHION MOUNT INCANDESCENT FIXTURE BODY
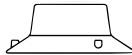
WATTAGE MAXIMUM LAMP SIZE	CATALOG NUMBER
150 Watt	**VXH15**
200-300 Watt	**VXH12**

TEMPERATURE RATINGS

MAXIMUM LAMP WATTS	WITHOUT REFLECTOR	WITH REFLECTOR
150	T2A	T2
300	T1	T1

T - NUMBER TABLE

T - NUMBER	MAXIMUM TEMPERATURE C°	T - NUMBER	MAXIMUM TEMPERATURE C°
T1	450	T3A	180
T2	300	T3B	165
T2A	280	T3C	160
T2B	260	T4	135
T2C	230	T4A	120
T2D	215	T5	100
T3	200	T6	85

‡ Pendant mount fixtures only.

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INCANDESCENT LIGHTING FIXTURES
Explosionproof

Hazlite™ M5

100 - 150 Watts

(UL)

- UL 844
- Class I, Division 1, Groups C, D*
- Class II, Division 1 & 2, Groups E, F, G*
- Suitable for Wet Locations
- UL 595 Marine
- NEMA 4X, IP66

D

Hazlux®

| MOUNTING STYLE	LAMP◆ WATTS	CONDUIT SIZE (Inches)	VOLTAGE	CATALOG NUMBER WITH GUARD†	WEIGHT EACH (Lbs.)
Pendant Mount	100	3/4	120	**XIM10120-G-P2E**	14.1
	100	1	120	**XIM10120-G-P3E**	14.1
	150	3/4	120	**XIM15120-G-P2E**	14.1
	150	1	120	**XIM15120-G-P3E**	14.1
Ceiling Mount	100	3/4	120	**XIM10120-G-C2E**	16.1
	100	1	120	**XIM10120-G-C3E**	16.1
	150	3/4	120	**XIM15120-G-C2E**	16.1
	150	1	120	**XIM15120-G-C3E**	16.1
Wall Mount	100	3/4	120	**XIM10120-G-B2E**	17.1
	100	1	120	**XIM10120-G-B3E**	17.1
	150	3/4	120	**XIM15120-G-B2E**	17.1
	150	1	120	**XIM15120-G-B3E**	17.1
Bulkhead Mount	100	3/4	120	**XIM10120-G-J2E**	17.1
	100	1	120	**XIM10120-G-J3E**	17.1
	150	3/4	120	**XIM15120-G-J2E**	17.1
	150	1	120	**XIM15120-G-J3E**	17.1
Stanchion Mount	100	1-1/4	120	**XIM10120-G-S4E**	16.1
	100	1-1/2	120	**XIM10120-G-S5E**	16.1
	150	1-1/4	120	**XIM15120-G-S4E**	16.1
	150	1-1/2	120	**XIM15120-G-S5E**	16.1

◆ All fixtures are designed for medium base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).
† GUARD: If a guard is not required delete one "G" from the Catalog Number.
★ Verify Hazardous Location Certification with your requirements on Hazlite Certification Guide General Information Page D9.
‡ Pendant mount fixtures only.

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www.tnb.com

Hazlux®

COMPACT FLUORESCENT LIGHTING FIXTURES for
CLASS I, DIVISION 1 and 2;
CLASS II;
WET and MARINE LOCATIONS*

CONTENTS	PAGE

*Check individual product listings for specific suitabilities.

Thomas&Betts

<table>
<tr>
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COMPACT FLUORESCENT LIGHTING FIXTURES
Catalog Numbering System

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<td>

Hazlite™ M4 Fluorescent

</td>
<td>

(UL)

(CSA)®

</td>
<td>

• UL 844
• Class I, Division 2, Groups A,B,C,D
• Class II, Division I, Groups E, F, G‡
• Enclosed and Gasketed
• Wet Locations
• NEMA 4X, IP66

</td>
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</table>

D

Hazlux®

Catalog Numbering System

VFHF 2 44 12 GP - RD - D
　　①　　②③④⑤　　⑥　　⑦

1) Fixture Type and Mounting Style

VFA	= Fluorescent Pendant Mount
VFH	= Fluorescent Fixture Body for Ceiling, Wall or Stanchion Mount
VFHA	= Fluorescent Stanchion Mount
VFHB	= Fluorescent Wall Mt., No Box
VFHBF	= Fluorescent Wall Mt., Std. Box
VFHBFD	= Fluorescent Wall Mt., Deep Box
VFHF	= Fluorescent Ceiling Mt., Std. Box
VFHFD	= Fluorescent Ceiling Mt., Deep Box

2) Hub Size

1	= 1/2" NPT Hub (except VFH & VFHB: No Hubs)
2	= 3/4" NPT Hub
4	= 1-1/4" NPT Hub

3) FLUORESCENT LAMP WATTAGE

13	= 13 Watts (One 13W lamp)
22	= 22 Watts (One 22W lamp)
26	= 26 Watts (Two 13W lamps)
28	= 28 Watts (One 28W lamp)
44	= 44 Watts (Two 22W lamps)

4) VOLTAGE

12	= 120 VAC

5) OPTICAL ASSEMBLY OPTIONS

G	= Clear Glass Globe (VGL)
GP	= Clear Glass Globe and Guard
TG	= Tempered Glass Globe (VGT)
TGP	= Tempered Glass Globe and Guard
ACG	= Amber Glass Globe
BCG	= Blue Glass Globe
GCG	= Green Glass Globe
RCG	= Red Glass Globe
ACGP	= Amber Glass Globe and Guard
BCGP	= Blue Glass Globe and Guard
GCGP	= Green Glass Globe and Guard
RCGP	= Red Glass Globe and Guard

6) REFLECTOR OPTIONS

RD	= Dome Reflector
RA	= Angle Reflector

7) PACKAGING OPTIONS*

D	= UNIPAK® Packaging (Completely assembled in one carton)
P	= ProjecPak® Packaging (All components, in one carton, unassembled)

Packaging Notes: 1) If no packaging code is specified, fixture components will be shipped in separate cartons. 2) All fixtures and fixture housings include lamps.
‡ For Pendant Mount Only.
* Lamps are not included.

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| COMPACT FLUORESCENT LIGHTING FIXTURES Design Layout System | *Hazlite™ M4 Fluorescent* | (UL) (CSA) | • UL 844
• Class I, Divison 2., Groups A, B, C, D
• Class II, Division 1, Groups E, F, G‡
• Enclosed and Gasketed
• Wet Locations
• NEMA 4X, IP66
‡Pendant mount only |

ELECTRIC LIGHTING FIXTURES FOR INDUSTRIAL AND HAZARDOUS LOCATIONS

VXB   VXA4   VXF

VFH   VFA

VGL22   VGL22

VGU22P   VGU22P

VR22P   VRA22P   VR22P   VRA22P

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| COMPACT FLUORESCENT LIGHTING FIXTURES Complete Assemblies | *Hazlite™ M4 Fluorescent* | ® UL ® CSA | • Class I, Divison 2., Groups A, B, C, D
• Class II, Division 1, Groups E, F, G‡
• Enclosed and Gasketed
• Wet Locations
• NEMA 4X, IP66
‡Pendant mount only |

PENDANT MOUNT FLUORESCENT FIXTURE ASSEMBLIES
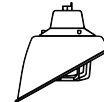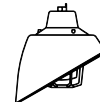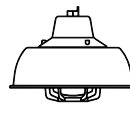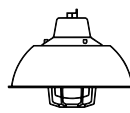
WATTAGE MAXIMUM LAMP SIZE	CONDUIT HUB SIZE	CATALOG NUMBER		
		With Globe & Guard	With Globe, Guard & Dome Reflector	With Globe, Guard & Angle Reflector
13 Watt	1/2" 3/4"	VFA11312GP VFA21312GP	VFA11312GPRD VFA21312GPRD	VFA11312GPRA VFA21312GPRA
22 Watt	1/2" 3/4"	VFA12212GP VFA22212GP	VFA12212GPRD VFA22212GPRD	VFA12212GPRA VFA22212GPRA
26 Watt	1/2" 3/4"	VFA12612GP VFA22612GP	VFA12612GPRD VFA22612GPRD	VFA12612GPRA VFA22612GPRA
28 Watt	1/2" 3/4"	VFA12812GP VFA22812GP	VFA12812GPRD VFA22812GPRD	VFA12812GPRA VFA22812GPRA
44 Watt	1/2" 3/4"	VFA14412GP VFA24412GP	VFA14412GPRD VFA24412GPRD	VFA14412GPRA VFA24412GPRA
56 Watt	1/2" 3/4"	VFA15612GP VFA25612GP	VFA15612GRPD VFA25612GPRD	VFA15612GPRA VFA25612GPRA

CEILING MOUNT FLUORESCENT FIXTURE ASSEMBLIES
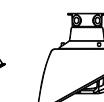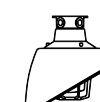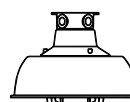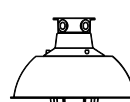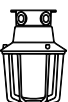
WATTAGE MAXIMUM LAMP SIZE	CONDUIT HUB SIZE	CATALOG NUMBER		
		With Globe & Guard	With Globe, Guard & Dome Reflector	With Globe, Guard & Angle Reflector
13 Watt	1/2" 3/4"	VFHF11312GP VFHF21312GP	VFHF11312GPRD VFHF21312GPRD	VFHF11312GPRA VFHF21312GPRA
22 Watt	1/2" 3/4"	VFHF12212GP VFHF22212GP	VFHF12212GPRD VFHF22212GPRD	VFHF12212GPRA VFHF22212GPRA
26 Watt	1/2" 3/4"	VFHF12612GP VFHF22612GP	VFHF12612GPRD VFHF22612GPRD	VFHF12612GPRA VFHF22612GPRA
28 Watt	1/2" 3/4"	VFHF12812GP VFHF22812GP	VFHF12812GPRD VFHF22812GPRD	VFHF12812GPRA VFHF22812GPRA
44 Watt	1/2" 3/4"	VFHF14412GP VFHF24412GP	VFHF14412GPRD VFHF24412GPRD	VFHF14412GPRA VFHF24412GPRA
56 Watt	1/2" 3/4"	VFHF15612GP VFHF25612GP	VFHF15612GRPD VFHF25612GPRD	VFHF15612GPRA VFHF25612GPRA

NOTES: • *All fixtures include lamps; all fixtures 120 VAC.*
• *To order with UNIPAK® Packaging, add "-D" to the end of the catalog number. Example: VFHBF25612GP-D.*
• *To order with ProjecPak® Packaging, add "-P" to the end of the catalog number. Example: VFHA24412GP-P.*

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COMPACT FLUORESCENT LIGHTING FIXTURES
Complete Assemblies

Hazlite™ M4 Fluorescent

- Class I, Divison 2., Groups A, B, C, D
- Class II, Division 1, Groups E, F, G‡
- Enclosed and Gasketed
- Wet Locations
- NEMA 4X, IP66

‡Pendant mount only

D

Hazlux®

WALL MOUNT FLUORESCENT FIXTURE ASSEMBLIES
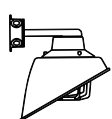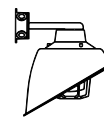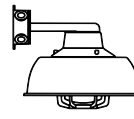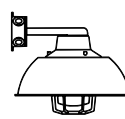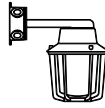
WATTAGE MAXIMUM LAMP SIZE	CONDUIT HUB SIZE	CATALOG NUMBER		
		With Globe & Guard	With Globe, Guard & Dome Reflector	With Globe, Guard & Angle Reflector
13 Watt	1/2"	VFHBF11312GP	VFHBF11312GPRD	VFHBF11312GPRA
	3/4"	VFHBF21312GP	VFHBF21312GPRD	VFHBF21312GPRA
22 Watt	1/2"	VFHBF12212GP	VFHBF12212GPRD	VFHBF12212GPRA
	3/4"	VFHBF22212GP	VFHBF22212GPRD	VFHBF22212GPRA
26 Watt	1/2"	VFHBF12612GP	VFHBF12612GPRD	VFHBF12612GPRA
	3/4"	VFHBF22612GP	VFHBF22612GPRD	VFHBF22612GPRA
28 Watt	1/2"	VFHBF12812GP	VFHBF12812GPRD	VFHBF12812GPRA
	3/4"	VFHBF22812GP	VFHBF22812GPRD	VFHBF22812GPRA
44 Watt	1/2"	VFHBF14412GP	VFHBF14412GPRD	VFHBF14412GPRA
	3/4"	VFHBF24412GP	VFHBF24412GPRD	VFHBF24412GPRA
56 Watt	1/2"	VFHBF15612GP	VFHBF15612GRPD	VFHBF15612GPRA
	3/4"	VFHBF25612GP	VFHBF25612GPRD	VFHBF25612GPRA

STANCHION MOUNT INCANDESCENT FIXTURE ASSEMBLIES
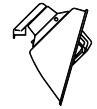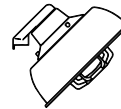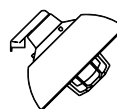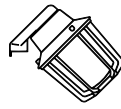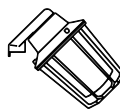
WATTAGE MAXIMUM LAMP SIZE	CONDUIT HUB SIZE	CATALOG NUMBER		
		With Globe & Guard	With Globe, Guard & Dome Reflector	With Globe, Guard & Angle Reflector
13 Watt	1-1/4"	VFHA41312GP	VFHA41312GPRD	VFHA41312GPRA
22 Watt	1-1/4"	VFHA42212GP	VFHA42212GPRD	VFHA42212GPRA
26 Watt	1-1/4"	VFHA42612GP	VFHA42612GPRD	VFHA42612GPRA
28 Watt	1-1/4"	VFHA42812GP	VFHA42812GPRD	VFHA42812GPRA
44 Watt	1-1/4"	VFHA44412GP	VFHA44412GPRD	VFHA44412GPRA
56 Watt	1-4/"	VFHA45612GP	VFHA45612GPRD	VFHA45612GPRA

NOTES:
- All fixtures include lamps; all fixtures 120 VAC.
- To order with UNIPAK® Packaging, add "-D" to the end of the catalog number. Example: VFHBF25612GP-D.
- To order with ProjecPak® Packaging, add "-P" to the end of the catalog number. Example: VFHA24412GP-P.

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COMPACT FLUORESCENT LIGHTING FIXTURES
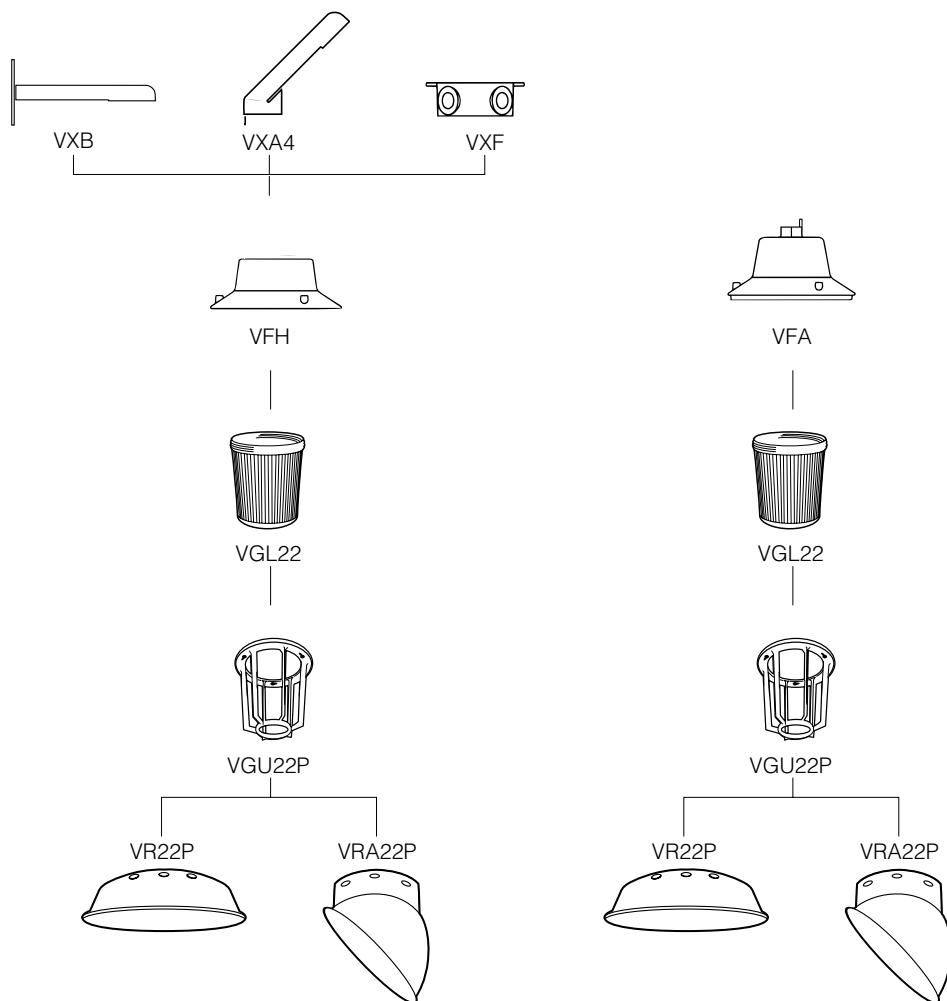## Fixture Components

Hazlite™ M4 Fluorescent

(UL)

(CSA)

- Class I, Divison 2., Groups A, B, C, D
- Class II, Division 1, Groups E, F, G‡
- Enclosed and Gasketed
- Wet Locations
- NEMA 4X, IP66

‡Pendant mount only

WALL MOUNT BRACKET ARM
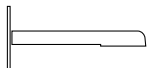
CONDUIT HUB SIZE	CATALOG NUMBER
*	**VXB**

STANCHION MOUNT BRACKET ARM
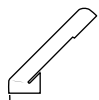
CONDUIT HUB SIZE	CATALOG NUMBER
1-1/4"	**VXA4**

FIXTURE HANGER HUB COVER FOR VXF BOX

CONDUIT HUB SIZE	CATALOG NUMBER
1/2"	**VHC1**
3/4"	**VHC2**

REFLECTOR

DESCRIPTION	CATALOG NUMBER
Dome	**VR22P**
Angle	**VRA22P**
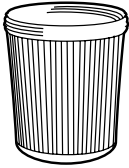
FLAT COVER FOR VXF BOX

	CATALOG NUMBER
	VFC
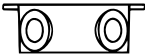
GASKET FOR HUB COVERS, FLAT COVER AND BRACKET ARMS

	CATALOG NUMBER
	GASK643
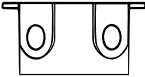
GLASS GLOBES

COLOR	CATALOG NUMBER WATTAGE, MAXIMUM LAMP SIZE	
	150 Watt	**200-300 Watt**
Clear, Heat Resistant	**VGT15**	**VGT22**
Red	**VGT15R**	**VGT22R**
Green	**VGT15G**	**VGT22G**
Blue	**VGT15B**	**VGT22B**
Amber	**VGT15A**	**VGT22A**

STANDARD JUNCTION BOX (1-3/4'' Inside Depth) FOR WALL OR CEILING MOUNT FIXTURES

CONDUIT HUB SIZE	CATALOG NUMBER	
	4 Hubs	**5 Hubs**
1/2"	**VXF10**	**VXFT10**
3/4"	**VXF20**	**VXFT20**

DEEP JUNCTION BOX (3'' Inside Depth) FOR WALL OR CEILING MOUNT FIXTURES

CONDUIT HUB SIZE	CATALOG NUMBER	
	4 Hubs	**5 Hubs**
1/2"	**VXFD10**	**VXFDT10**
3/4"	**VXFD20**	**VXFDT20**
1"	**VXFD30**	**VXFDT30**

LAMPS

DESCRIPTION	CATALOG NUMBER
13	**PLC-13**
22	**PLC-22**
28	**PLC-28**

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| COMPACT FLUORESCENT LIGHTING FIXTURES | *Hazlite™ M4 Fluorescent* | | • UL 844
• Class I, Div. 2., Groups A, B, C, D
• Class II, Division 1, Groups E, F, G‡
• Enclosed and Gasketed
• Wet Locations
• NEMA 4X, IP66
‡Pendant mount only |

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HAZLITE™ M4 TEMPERATURE INFORMATION CHART

FIXTURE WATTAGE	AMBIENT TEMPERATURE		SUPPLY WIRE TEMPERATURE	CLASS I, DIVISION 2 T-NUMBER	
	Minimum	**Maximum**		**Globe, Guard**	**Globe, Guard & Reflector**
13 Watt	0°C(32°F)	40°C(104°F)	110°C	T3	T3
22 Watt	-29°C(-20°F)	40°C(104°F)	110°C	T3	T3
26 Watt	0°C(32°F)	40°C(104°F)	110°C	T3	T3
28 Watt	-29°C(-20°F)	40°C(104°F)	110°C	T3	T3
44 Watt	-29°C(-20°F)	40°C(104°F)	110°C	T3	T3

HAZLITE™ M4 LAMP DATA CHART

| LAMP(S) DESCRIPTION	INITIAL LUMENS	LUMENS PER WATT	RATED LIFE
1 - 13W Fluorescent	860	50.6	10,000
60W A - 19 Incandescent	890	14.8	1,000
1 - 22W Fluorescent	1200	46.2	10,000
75W A-19 Incandescent	1220	16.3	750
1 - 28W Fluorescent	1600	48.5	10,000
2 - 13W Fluorescent	1720	50.6	10,000
100W A-19 Incandescent	1750	17.5	750
2 - 22W Fluorescent	2400	46.2	10,000
150W A-21 Incandescent	2850	19.0	750
2 - 28W Fluorescent	3200	48.5	10,000

Thomas&Betts

COMPACT FLUORESCENT LIGHTING FIXTURES
Explosionproof

Hazlite™ *M5*

9 - 26 Watts

- UL 844
- Class I, Division 1, Groups C, D*
- Class II, Division 1 & 2, Groups E, F, G*
- Suitable for Wet Locations
- UL 1598 Marine, NEMA 4X

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Hazlux®

MOUNTING STYLE	LAMP◆ WATTS	CONDUIT SIZE (Inches)	VOLTAGE	CATALOG NUMBER WITH GUARD†	WEIGHT EACH (Lbs.)
Pendant Mount	9	3/4	120	XFB09P120-G-P2D	14.9
	9	1	120	XFB09P120-G-P3D	14.9
	13	3/4	120	XFB13P120-G-P2D	14.9
	13	1	120	XFB13P120-G-P3D	14.9
	18	3/4	120	XFB18P120-G-P2D	15.5
	18	1	120	XFB18P120-G-P3D	15.5
	26	3/4	120	XFB26P120-G-P2D	15.5
	26	1	120	XFB26P120-G-P3D	15.5
Ceiling Mount	9	3/4	120	XFB09P120-G-C2D	16.8
	9	1	120	XFB09P120-G-C3D	16.8
	13	3/4	120	XFB13P120-G-C2D	16.8
	13	1	120	XFB13P120-G-C3D	16.8
	18	3/4	120	XFB18P120-G-C2D	17.5
	18	1	120	XFB18P120-G-C3D	17.5
	26	3/4	120	XFB26P120-G-C2D	17.5
	26	1	120	XFB26P120-G-C3D	17.5
Wall Mount	9	3/4	120	XFB09P120-G-B2D	17.8
	9	1	120	XFB09P120-G-B3D	17.8
	13	3/4	120	XFB13P120-G-B2D	17.8
	13	1	120	XFB13P120-G-B2D	17.8
	18	3/4	120	XFB18P120-G-B2D	18.5
	18	1	120	XFB18P120-G-B3D	18.5
	26	3/4	120	XFB26P120-G-B2D	18.5
	26	1	120	XFB26P120-G-B3D	18.5
Bulkhead Mount	9	3/4	120	XFB09P120-G-J2D	17.8
	9	1	120	XFB09P120-G-J3D	17.8
	13	3/4	120	XFB13P120-G-J2D	17.8
	13	1	120	XFB13P120-G-J3D	17.8
	18	3/4	120	XFB18P120-G-J3D	18.5
	18	1	120	XFB18P120-G-J3D	18.5
	26	3/4	120	XFB26P120-G-J2D	18.5
	26	1	120	XFB26P120-G-J3D	18.5
Stanchion Mount	9	1-1/4	120	XFB09P120-G-S4D	16.8
	9	1-1/4	120	XFB09P120-G-S4D	16.8
	13	1-1/2	120	XFB13P120-G-S5D	16.8
	13	1-1/2	120	XFB13P120-G-S5D	16.8
	18	1-1/4	120	XFB18P120-G-S4D	17.5
	18	1-1/4	120	XFB18P120-G-S4D	17.5
	26	1-1/2	120	XFB26P120-G-S5D	17.5
	26	1-1/2	120	XFB26P120-G-S5D	17.5

◆ *Fluorescent fixtures use PL type lamps (one or two lamps included).*
† *GUARD: If a guard is not required delete one "G" from the Catalog Number.*
★ *Verify Hazardous Location Certification with your requirements on Hazlite Certification Guide General Information Page D9.*

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| COMPACT INDUSTRIAL LIGHTING FIXTURES | *Hazlite™ M9* | (UL) (CSA) | • Enclosed and Gasketed
• Outdoor Wet Locations
• Class I, Div. 2., Groups A, B, C, D
• Class I, Zone 2., Groups IIA, IIB, IIC
• Class II, Div. 2., Groups F, G
• Type 4
• IP66 |
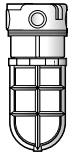
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COMPACT INDUSTRIAL LIGHTING FIXTURES	*Hazlite™ M9*	ⓤL ⓒsa	• Enclosed and Gasketed • Outdoor Wet Locations • Class I, Div. 2., Groups A, B, C, D • Class I, Zone 2., Groups IIA, IIB, IIC • Class II, Div. 2., Groups F, G • Type 4 • IP66

Features and Benefits:

• **Choice of Light Sources** - high pressure sodium, compact fluorescent, or incandescent versions available to meet your lighting needs.
• **Maximum Light, Compact Size** - up to 50 watt HPS, 32 watt fluorescent, or 150 watt incandescent in a compact fixture assembly.
• **Cast Aluminum or Polymeric Housings** - to meet the demands of corrosive and adverse industrial environments.
• **Choice of Three Mounting Styles** - pendant, ceiling, and wall mount styles are standard.
• **Silicone Rubber and Neoprene Gaskets** - for reliable watertight and dusttight sealing in wet, corrosive areas.
• **Class I, Division 2 Certifications** - for petrochemical, waste treatment, and other hazardous applications, as needed.
• **Modular Fixture Components** - all fixture components are modular for installation and stocking flexibility.
• **Clear Glass Globes are Standard** - also available in tempered glass and polycarbonate plastic for splashdown and thermal shock requirements.
• **Colored Globes Available** - for visual signaling and identification needs.

Applications:

• Chemical Plants
• Oil Refineries
• Offshore Platforms
• Waste Treatment Facilities
• Beef and Poultry Processing Plants
• Breweries and Beverage Plants
• Grain and Corn Processing Plants
• Tunnels and Walkways
• Steel Mills, Foundries
• Power Plants
• Pulp and Paper Facilities
• General Manufacturing Plants
• Shipyards and Shipbuilding Facilities
• Airplane Manufacturing Plants
• Defense and Government Facilities

Wattages, Voltages:

• High Pressure Sodium:
    35, 50 watts   120 volts / 60 Hz.
• Compact Fluorescent:
    9, 13 watts   120 volts / 60 Hz. (only)
    18-32 watts   120 volts / 60 Hz.
                       277 volts / 60 Hz.
• Incandescent:
    150 watts (max.)   250 Volts (max.)
• Optional Ratings: Contact Thomas & Betts

Materials, Finishes:

Hazlite M9 Aluminum:

Housings:	Cast Aluminum, Polyester Powder Finish
Globes:	Clear Glass (standard)
Guard:	Glass Reinforced Polymeric
Reflectors:	Molded Acrylic Plastic

Hazlite M9 Polymeric:

Housings:	Glass Reinforced Polymeric
Globes:	Clear Glass (standard)
Guard:	Glass Reinforced Polymeric
Reflectors:	Molded Acrylic Plastic

Options:

• Unipak® Packaging†
• Prismatic Reflector
• Stainless Steel Wire Guard
• Cast Bronze Housings†
   †(minimum quantity requirements; see ordering notes.)

Certifications

• Enclosed and Gasketed
• Outdoor Wet Locations
• Class I, Div. 2, Groups A,B,C,D
• Class I, Zone 2, Groups IIA, IIB, IIC
• Class II, Div. 2, Groups F, G
• Type 4 Watertight (base up or down)
• Temperature Range:
   HPS, Incandescent: -40°C to 40°C
Fluorescent: See Temp. Performance Chart
• Above Certifications CSA-NRTL

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| COMPACT INDUSTRIAL LIGHTING FIXTURES | *Hazlite™ M9* | UL CSA | • Enclosed and Gasketed
• Outdoor Wet Locations
• Class I, Div. 2., Groups A, B, C, D
• Class I, Zone 2., Groups IIA, IIB, IIC
• Class II, Div. 2., Groups F, G
• Type 4
• IP66 |

D

Hazlux®

"VN" Series Polymeric - Enclosed and Gasketed for Wet Location

Mounting Style	Lamp Type	Lamp Watts	Hub Size	Order As Components						Complete Unipak Fixture Assembly[1]
				Housing Assembly	Mount	Junction Box	Globe	Guard	Lamp	
Pendant	Compact Fluorescent	9	3/4"	VN09F1	PN2	—	GG15C	GN	VPL-9	**VN09F1-GCN-P2E**
		13	3/4"	VN13F1					PLC-13	**VN13F1-GCN-P2E**
		18	3/4"	VN18F1					PLC-18	**VN18F1-GCN-P2E**
		26	3/4"	VN26F1					PLC-26	**VN26F1-GCN-P2E**
		32	3/4"	VN32F1					PLC-32	**VN32F1-GCN-P2E**
	HPS	35	3/4"	VN35S1					LU-35-MED	**VN35S1-GCN-P2E**
		50	3/4"	VN50S1					LU-50-MED	**VN50S1-GCN-P2E**
	Incandescent	150	3/4"	VN150K-P2	—	—			—	**VN150K-GCN-P2U**
Ceiling	Compact Fluorescent	9	3/4"	VN09F1	JN2	—	GG15C	GN	VPL-9	**VN09F1-GCN-C2E**
		13	3/4"	VN13F1					PLC-13	**VN13F1-GCN-C2E**
		18	3/4"	VN18F1					PLC-18	**VN18F1-GCN-C2E**
		26	3/4"	VN26F1					PLC-26	**VN26F1-GCN-C2E**
		32	3/4"	VN32F1					PLC-32	**VN32F1-GCN-C2E**
	HPS	35	3/4"	VN35S1					LU-35-MED	**VN35S1-GCN-C2E**
		50	3/4"	VN50S1					LU-50-MED	**VN50S1-GCN-C2E**
	Incandescent	150	3/4"	VN150K-C2	—	—			—	**VN150K-GCN-C2U**
Wall Mount w/Box	Compact Fluorescent	9	3/4"	VN09F1	WN	JN2	GG15C	GN	VPL-9	**VN09F1-GCN-W2E**
		13	3/4"	VN13F1					PLC-13	**VN13F1-GCN-W2E**
		18	3/4"	VN18F1					PLC-18	**VN18F1-GCN-W2E**
		26	3/4"	VN26F1					PLC-26	**VN26F1-GCN-W2E**
		32	3/4"	VN32F1					PLC-32	**VN32F1-GCN-W2E**
	HPS	35	3/4"	VN35S1					LU-35-MED	**VN35S1-GCN-W2E**
		50	3/4"	VN50S1					LU-50-MED	**VN50S1-GCN-W2E**
	Incandescent	150	3/4"	VN150K-W2	—	—			—	**VN150K-GCN-W2U**

Ordering Notes:

1. All Hazlite M9 products are shipped as separate components unless "Unipak®" packaging catalog numbers are specified. Minimum quantity per Unipak catalog number is 25.

2. Compact fluorescent and HPS Complete Unipak® Fixture Assemblies listed above are shipped complete with lamp and Unipak packaging. To specify Complete Unipak Fixture Assemblies without lamp, change the "E" at the end of the catalog number to "U". Example: VN32F1-GCN-P2U.

3. Incandescent Complete Unipak® Fixture Assemblies listed above are shipped with Unipak packaging without lamp.

4. All catalog numbers listed above are 120VAC, 60 Hz. 18 watt, 26 watt, and 32 watt fluorescent Hazlite M9 fixtures are also available in 277VAC, 60 Hz versions. To order, change the catalog numbers as follows:

   For 277VAC, 60 Hz: Change "F1" in catalog number to "F4". Example VN32F4

5. All catalog numbers listed above are with standard clear glass globe. To substitute clear polycarbonate globe, order GPV10C. To substitute tempered clear glass globe, order GG15CH. For colored glass globes, substitute the first letter of the color for the "C" in catalog number GG15C. Example: For Red, GG15R. (Colors available are Red, Green, Blue, Amber.)

6. Refer to Hazlite M9 "Temperature Performance" chart on page D13 of this brochure for details on globe material and position limitations.

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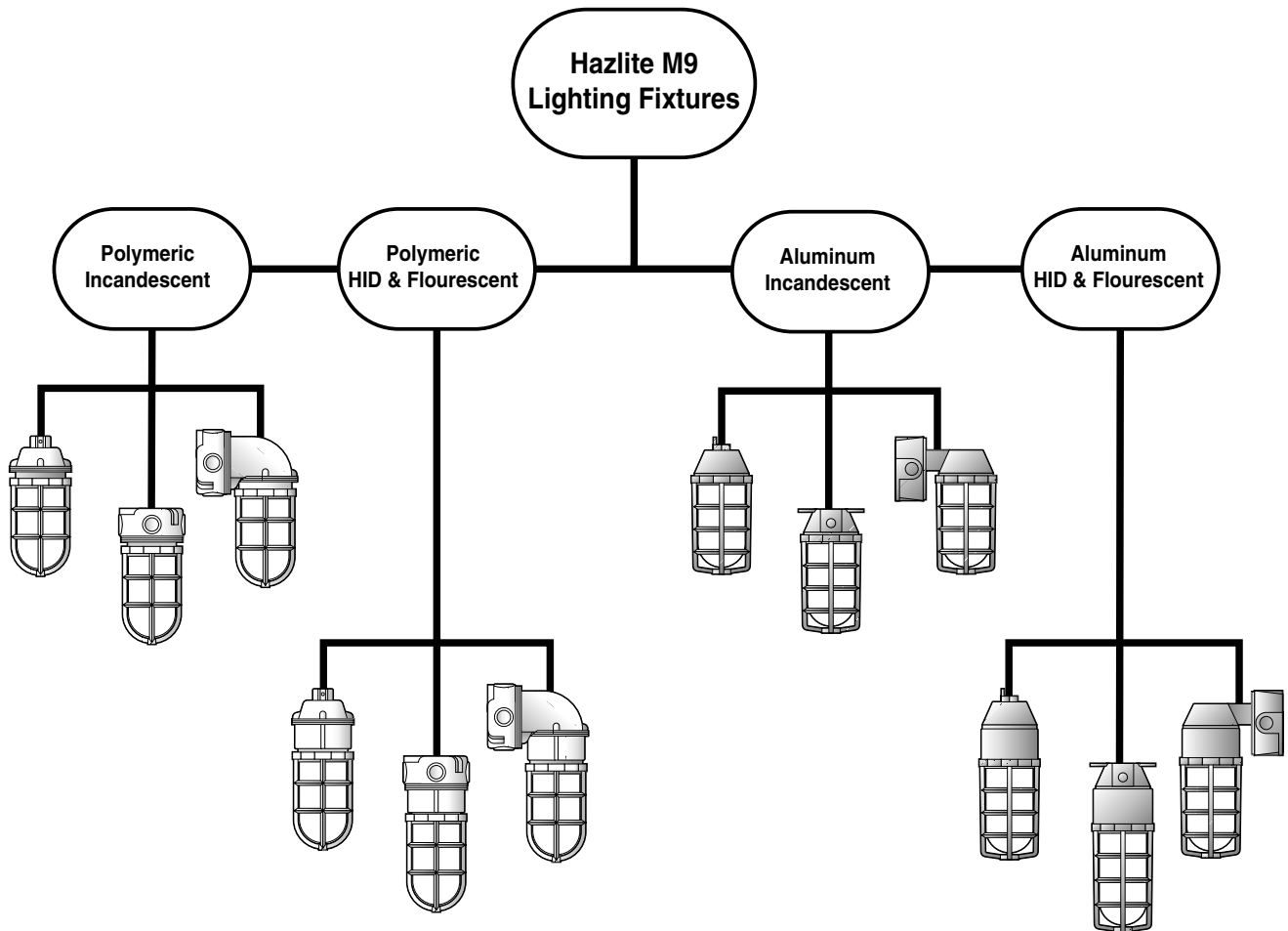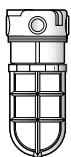| COMPACT INDUSTRIAL LIGHTING FIXTURES | *Hazlite™ M9* | UL CSA | • Enclosed and Gasketed
• Outdoor Wet Locations
• Class I, Div. 2., Groups A, B, C, D
• Class I, Zone 2., Groups IIA, IIB, IIC
• Class II, Div. 2., Groups F, G
• Type 4
• IP66 |

D

Hazlux®

"DN" Series Polymeric - Class I, Division 2, Groups, A, B, C, D
Class II, Division 2, Groups F, G
Enclosed and Gasketed for Wet Locations

Mounting Style	Lamp Type	Lamp Watts	Hub Size	Housing Assembly	Mount	Junction Box	Globe	Guard	Lamp	Complete Unipak Fixture Assembly[1]
Pendant	Compact Fluorescent	9	3/4"	DN09F1	PN2	—	GG15C	GN	VPL-9	**DN09F1-GCN-P2E**
		13	3/4"	DN13F1					PLC-13	**DN13F1-GCN-P2E**
		18	3/4"	DN18F1					PLC-18	**DN18F1-GCN-P2E**
		26	3/4"	DN26F1					PLC-26	**DN26F1-GCN-P2E**
		32	3/4"	DN32F1					PLC-32	**DN32F1-GCN-P2E**
	HPS	35	3/4"	DN35S1					LU-35-MED	**DN35S1-GCN-P2E**
		50	3/4"	DN50S1					LU-50-MED	**DN50S1-GCN-P2E**
	Incandescent	150	3/4"	DN150K-P2	—	—			—	**DN150K-GCN-P2U**
Ceiling	Compact Fluorescent	9	3/4"	DN09F1	JN2	—	GG15C	GN	VPL-9	**DN09F1-GCN-C2E**
		13	3/4"	DN13F1					PLC-13	**DN13F1-GCN-C2E**
		18	3/4"	DN18F1					PLC-18	**DN18F1-GCN-C2E**
		26	3/4"	DN26F1					PLC-26	**DN26F1-GCN-C2E**
		32	3/4"	DN32F1					PLC-32	**DN32F1-GCN-C2E**
	HPS	35	3/4"	DN35S1					LU-35-MED	**DN35S1-GCN-C2E**
		50	3/4"	DN50S1					LU-50-MED	**DN50S1-GCN-C2E**
	Incandescent	150	3/4"	DN150K-C2	—	—			—	**DN150K-GCN-C2U**
Wall Mount w/Box	Compact Fluorescent	9	3/4"	DN09F1	WN	JN2	GG15C	GN	VPL-9	**DN09F1-GCN-W2E**
		13	3/4"	DN13F1					PLC-13	**DN13F1-GCN-W2E**
		18	3/4"	DN18F1					PLC-18	**DN18F1-GCN-W2E**
		26	3/4"	DN26F1					PLC-26	**DN26F1-GCN-W2E**
		32	3/4"	DN32F1					PLC-32	**DN32F1-GCN-W2E**
	HPS	35	3/4"	DN35S1					LU-35-MED	**DN35S1-GCN-W2E**
		50	3/4"	DN50S1					LU-50-MED	**DN50S1-GCN-W2E**
	Incandescent	150	3/4"	DN150K-P2	—	—			—	**DN150K-GCN-W2U**

Ordering Notes:

1. All Hazlite M9 products are shipped as separate components unless "Unipak®" packaging catalog numbers are specified. Minimum quantity per Unipak catalog number is 25.

2. Compact fluorescent and HPS Complete Unipak® Fixture Assemblies listed above are shipped complete with lamp and Unipak packaging. To specify Complete Unipak Fixture Assemblies without lamp, change the "E" at the end of the catalog number to "U". Example: DN32F1-GCN-P2U.

3. Incandescent Complete Unipak® Fixture Assemblies listed above are shipped with Unipak packaging without lamp.

4. All catalog numbers listed above are 120VAC, 60 Hz. 18 watt, 26 watt, and 32 watt fluorescent Hazlite M9 fixtures are also available in 277VAC, 60 Hz versions. To order, change the catalog numbers as follows:

   For 277VAC, 60 Hz: Change "F1" in catalog number to "F4". Example DN32F4

5. All catalog numbers listed above are with standard clear glass globe. To substitute clear polycarbonate globe, order GPV10C. To substitute tempered clear glass globe, order GG15CH. For colored glass globes, substitute the first letter of the color for the "C" in catalog number GG15C. Example: For Red, GG15R. (Colors available are Red, Green, Blue, Amber.)

6. Refer to Hazlite M9 "Temperature Performance" chart on page D13 of this brochure for details on globe material and position limitations.

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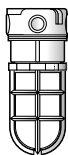| COMPACT INDUSTRIAL LIGHTING FIXTURES | *Hazlite™ M9* | (UL) (CSA) | • Enclosed and Gasketed
• Outdoor Wet Locations
• Class I, Div. 2., Groups A, B, C, D
• Class I, Zone 2., Groups IIA, IIB, IIC
• Class II, Div. 2., Groups F, G
• Type 4
• IP66 |

D

Hazlux®

"VA" Series Cast Aluminum - Enclosed and Gasketed for Wet Locations

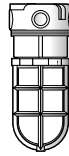| Mounting Style	Lamp Type	Lamp Watts	Hub Size	Order As Components				Complete Unipak Fixture Assembly[1]
				Housing/Mounting Assembly	Globe	Guard	Lamp	
Pendant	Compact Fluorescent	9	3/4"	VA09F1-P2	GG15C	GN	VPL-9	**VA09F1-GCN-P2E**
		13	3/4"	VA13F1-P2			PLC-13	**VA13F1-GCN-P2E**
		18	3/4"	VA18F1-P2			PLC-18	**VA18F1-GCN-P2E**
		26	3/4"	VA26F1-P2			PLC-26	**VA26F1-GCN-P2E**
		32	3/4"	VA32F1-P2			PLC-32	**VA32F1-GCN-P2E**
	HPS	35	3/4"	VA35S1-P2			LU-35-MED	**VA35S1-GCN-P2E**
		50	3/4"	VA50S1-P2			LU-50-MED	**VA50S1-GCN-P2E**
	Incandescent	150	3/4"	VA150K-P2			—	**VA150K-GCN-P2U**
Ceiling	Compact Fluorescent	9	3/4"	VA09F1-C2	GG15C	GN	VPL-9	**VA09F1-GCN-C2E**
		13	3/4"	VA13F1-C2			PLC-13	**VA13F1-GCN-C2E**
		18	3/4"	VA18F1-C2			PLC-18	**VA18F1-GCN-C2E**
		26	3/4"	VA26F1-C2			PLC-26	**VA26F1-GCN-C2E**
		32	3/4"	VA32F1-C2			PLC-32	**VA32F1-GCN-C2E**
	HPS	35	3/4"	VA35S1-C2			LU-35-MED	**VA35S1-GCN-C2E**
		50	3/4"	VA50S1-C2			LU-50-MED	**VA50S1-GCN-C2E**
	Incandescent	150	3/4"	VA150K-C2			—	**VA150K-GCN-C2U**
Wall Mount w/Box	Compact Fluorescent	9	3/4"	VA09F1-W2	GG15C	GN	VPL-9	**VA09F1-GCN-W2E**
		13	3/4"	VA13F1-W2			PLC-13	**VA13F1-GCN-W2E**
		18	3/4"	VA18F1-W2			PLC-18	**VA18F1-GCN-W2E**
		26	3/4"	VA26F1-W2			PLC-26	**VA26F1-GCN-W2E**
		32	3/4"	VA32F1-W2			PLC-32	**VA32F1-GCN-W2E**
	HPS	35	3/4"	VA35S1-W2			LU-35-MED	**VA35S1-GCN-W2E**
		50	3/4"	VA50S1-W2			LU-50-MED	**VA50S1-GCN-W2E**
	Incandescent	150	3/4"	VA150K-W2			—	**VA150K-GCN-W2U**

Ordering Notes:

1. All Hazlite M9 products are shipped as separate components unless "Unipak®" packaging catalog numbers are specified. Minimum quantity per Unipak catalog number is 25.

2. Compact fluorescent and HPS Complete Unipak® Fixture Assemblies listed above are shipped complete with lamp and Unipak packaging. To specify Complete Unipak Fixture Assemblies without lamp, change the "E" at the end of the catalog number to "U". Example: VA32F1-GCN-P2U.

3. Incandescent Complete Unipak® Fixture Assemblies listed above are shipped with Unipak packaging without lamp.

4. Cast Bronze Hazlite M9 fixtures are available; minimum order quantity is 50 per catalog number. Contact Thomas & Betts for catalog number and pricing assistance.

5. Metric conduit entries are available on Hazlite M9 aluminum and bronze fixtures. Contact Thomas & Betts for catalog number and pricing assistance.

6. All catalog numbers listed above are 120VAC, 60 Hz. 18 watt, 26 watt, and 32 watt fluorescent Hazlite M9 fixtures are also available in 277VAC, 60 Hz versions. To order, change the catalog numbers as follows:

    For 277VAC, 60 Hz: Change "F1" in catalog number to "F4". Example VA32F4

7. All catalog numbers listed above are with standard clear glass globe. To substitute clear polycarbonate globe, order GPV10C. To substitute tempered clear glass globe, order GG15CH. For colored glass globes, substitute the first letter of the color for the "C" in catalog number GG15C. Example: For Red, GG15R. (Colors available are Red, Green, Blue, Amber.)

8. Refer to Hazlite M9 "Temperature Performance" chart on page D13 of this brochure for details on globe material and position limitations.

9. All Wall Mount catalog numbers listed above are with outlet box. If outlet box is not required, change "W2" in catalog number to "WA". Example: DA32F1-WA.

Thomas&Betts

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| | | | | **COMPACT INDUSTRIAL LIGHTING FIXTURES** | *Hazlite™ M9* | | • Enclosed and Gasketed
• Outdoor Wet Locations
• Class I, Div. 2., Groups A, B, C, D
• Class I, Zone 2., Groups IIA, IIB, IIC
• Class II, Div. 2., Groups F, G
• Type 4
• IP66 |

"DA" Series Cast Aluminum - Class I, Division 2, Groups, A, B, C, D
Class II, Division 2, Groups F, G
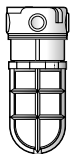## Enclosed and Gasketed for Wet Locations

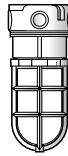| Mounting Style	Lamp Type	Lamp Watts	Hub Size	Housing/Mounting Assembly	Globe	Guard	Lamp	Complete Unipak Fixture Assembly[1]
Pendant	Compact Fluorescent	9	3/4"	DA09F1-P2	GG15C	GN	VPL-9	DA09F1-GCN-P2E
		13	3/4"	DA13F1-P2			PLC-13	DA13F1-GCN-P2E
		18	3/4"	DA18F1-P2			PLC-18	DA18F1-GCN-P2E
		26	3/4"	DA26F1-P2			PLC-26	DA26F1-GCN-P2E
		32	3/4"	DA32F1-P2			PLC-32	DA32F1-GCN-P2E
	HPS	35	3/4"	DA35S1-P2			LU-35-MED	DA35S1-GCN-P2E
		50	3/4"	DA50S1-P2			LU-50-MED	DA50S1-GCN-P2E
	Incandescent	150	3/4"	DA150K-P2			—	DA150K-GCN-P2U
Ceiling	Compact Fluorescent	9	3/4"	DA09F1-C2	GG15C	GN	VPL-9	DA09F1-GCN-C2E
		13	3/4"	DA13F1-C2			PLC-13	DA13F1-GCN-C2E
		18	3/4"	DA18F1-C2			PLC-18	DA18F1-GCN-C2E
		26	3/4"	DA26F1-C2			PLC-26	DA26F1-GCN-C2E
		32	3/4"	DA32F1-C2			PLC-32	DA32F1-GCN-C2E
	HPS	35	3/4"	DA35S1-C2			LU-35-MED	DA35S1-GCN-C2E
		50	3/4"	DA50S1-C2			LU-50-MED	DA50S1-GCN-C2E
	Incandescent	150	3/4"	DA150K-C2			—	DA150K-GCN-C2U
Wall Mount w/Box	Compact Fluorescent	9	3/4"	DA09F1-W2	GG15C	GN	VPL-9	DA09F1-GCN-W2E
		13	3/4"	DA13F1-W2			PLC-13	DA13F1-GCN-W2E
		18	3/4"	DA18F1-W2			PLC-18	DA18F1-GCN-W2E
		26	3/4"	DA26F1-W2			PLC-26	DA26F1-GCN-W2E
		32	3/4"	DA32F1-W2			PLC-32	DA32F1-GCN-W2E
	HPS	35	3/4"	DA35S1-W2			LU-35-MED	DA35S1-GCN-W2E
		50	3/4"	DA50S1-W2			LU-50-MED	DA50S1-GCN-W2E
	Incandescent	150	3/4"	DA150K-W2			—	DA150K-GCN-W2U

Ordering Notes:

1. All Hazlite M9 products are shipped as separate components unless "Unipak®" packaging catalog numbers are specified. Minimum quantity per Unipak catalog number is 25.

2. Compact fluorescent and HPS Complete Unipak® Fixture Assemblies listed above are shipped complete with lamp and Unipak packaging. To specify Complete Unipak Fixture Assemblies without lamp, change the "E" at the end of the catalog number to "U". Example: DA32F1-GCN-P2U.

3. Incandescent Complete Unipak® Fixture Assemblies listed above are shipped with Unipak packaging without lamp.

4. Cast Bronze Hazlite M9 fixtures are available; minimum order quantity is 50 per catalog number. Contact Thomas & Betts for catalog number and pricing assistance.

5. Metric conduit entries are available on Hazlite M9 aluminum and bronze fixtures. Contact Thomas & Betts for catalog number and pricing assistance.

6. All catalog numbers listed above are 120VAC, 60 Hz. 18 watt, 26 watt, and 32 watt fluorescent Hazlite M9 fixtures are also available in 277VAC, 60 Hz versions. To order, change the catalog numbers as follows:

   For 277VAC, 60 Hz: Change "F1" in catalog number to "F4". Example DA32F4

7. All catalog numbers listed above are with standard clear glass globe. To substitute clear polycarbonate globe, order GPV10C. To substitute tempered clear glass globe, order GG15CH. For colored glass globes, substitute the first letter of the color for the "C" in catalog number GG15C. Example: For Red, GG15R. (Colors available are Red, Green, Blue, Amber.)

8. Refer to Hazlite M9 "Temperature Performance" chart on page D13 of this brochure for details on globe material and position limitations.

9. All Wall Mount catalog numbers listed above are with outlet box. If outlet box is not required, change "W2" in catalog number to "WA". Example: DA32F1-WA.

Thomas&Betts

COMPACT INDUSTRIAL LIGHTING FIXTURES	*Hazlite™ M9*	• Enclosed and Gasketed • Outdoor Wet Locations • Class I, Div. 2., Groups A, B, C, D • Class I, Zone 2., Groups IIA, IIB, IIC • Class II, Div. 2., Groups F, G • Type 4 • IP66

D

Hazlux®

Polymeric Mounting Components†

Mounting Style	Hub Size	Catalog Number
Pendant	3/4"	**PN2**
Ceiling	3/4"	**JN2**
Wall Arm	No Hub	**WN**
Wall Box	3/4"	**JN2**

†Note: Gaskets and screws included with polymeric mounting components.

Globes and Guards
(for Polymeric and Aluminum Fixtures)
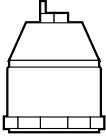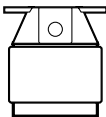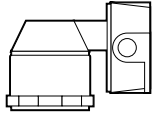
Description	Catalog Number
Clear Glass Globe	**GG15C**
Tempered Glass Globe	**GG15CH**
Clear Polycarbonate Globe (Use with stainless steel guard only)	**GPV10C**
Polymeric Guard (Standard for all M9 assemblies)	**GN**
Cast Aluminum Guard (Optional)	**GA**
Stainless Steel Wire Guard (Optional for polymeric, aluminum or bronze)	**GW**
Prismatic Polycarbonate Reflector (pendant, ceiling only)	**RP**
Prismatic Reflector with Guard (pendant, ceiling only)	**RPG**

Polymeric Housing/Mounting Assemblies

Lamp Type	Lamp Watts	Catalog Number
Compact Fluorescent	9	**DN09F1**
	13	**DN13F1**
	18	**DN18F1**
	26	**DN26F1**
	32	**DN32F1**
HPS	35	**DN35S1**
	50	**DN50S1**
Incandescent 3/4" Pendant	150	**DN150K-P2**
3/4"Ceiling		**DN150K-C2**
3/4" Wall		**DN150K-W2**

Note: Above catalog numbers are Hazardous Duty. For Enclosed & Gasketed, change "DN" to "VN" in catalog number.

Aluminum Housing/Mounting Assemblies

Mounting Style	Lamp Watts	Hub Size	Housing/Mounting Assembly
Pendant Mount	9	3/4"	DA09F1-P2
	13	3/4"	DA13F1-P2
	18	3/4"	DA18F1-P2
	26	3/4"	DA26F1-P2
	32	3/4"	DA32F1-P2
	35	3/4"	DA35S1-P2
	50	3/4"	DA50S1-P2
	150	3/4"	DA150K-P2
Ceiling Mount	9	3/4"	DA09F1-C2
	13	3/4"	DA13F1-C2
	18	3/4"	DA18F1-C2
	26	3/4"	DA26F1-C2
	32	3/4"	DA32F1-C2
	35	3/4"	DA35S1-C2
	50	3/4"	DA50S1-C2
	150	3/4"	DA150K-C2
Wall Mount w/Box	9	3/4"	DA09F1-W2
	13	3/4"	DA13F1-W2
	18	3/4"	DA18F1-W2
	26	3/4"	DA26F1-W2
	32	3/4"	DA32F1-W2
	35	3/4"	DA35S1-W2
	50	3/4"	DA50S1-W2
	150	3/4"	DA150K-W2

Note: Above catalog numbers are Hazardous Duty. For Enclosed & Gasketed, change "DA" to "VA" in catalog number.

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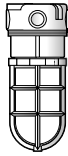
 www.tnb.com

COMPACT INDUSTRIAL LIGHTING FIXTURES

Hazlite™ M9

• Enclosed and Gasketed
• Outdoor Wet Locations
• Class I, Div. 2., Groups A, B, C, D
• Class I, Zone 2., Groups IIA, IIB, IIC
• Class II, Div. 2., Groups F, G
• Type 4
• IP66

D

Hazlite

Hazlux®

Hazlite M9 Temperature Performance

Lamp Type	Lamp Watts	Ambient		Supply Wire Temp.	T-Numbers		
		Min.	Max.		Globe Material/ Position	Class I, Div. 2	Class II, Div. 2
Compact Fluorescent	9	0°C	40°C	90°C	Glass or Plastic - Any Position	T3C	T3C (F,G)
	13	0°C	40°C	90°C		T3C	T3C (F,G)
	18	−18°C	40°C	90°C		T3C	T3C (F,G)
	26	−18°C	40°C	90°C		T3C	T3C (F,G)
	32	−18°C	40°C	90°C		T3C	T3C (F,G)
High Pressure Sodium	35	−40°C	40°C	90°C	Glass or Plastic - Any Position	T3	T3C (F,G)
	50	−40°C	40°C	90°C		T3	T3C (F,G)
Incandescent	60	−40°C	40°C	90°C	Glass or Plastic - Any Position	T3C	T3C (F,G)
	100	−40°C	40°C	90°C	Glass - Any Position; Plastic - Base Up Only	T3C	T3C (F,G)
	150	−40°C	40°C	90°C	Glass Only - Any Position	T3	T3C (F,G)

Hazlite M9 Lamp Data

| Lamp Type	Lamp Watts	Lamp Catalog Number	Lamp Base Description	Initial Lumens	Lumens per Watt	Rated Life (in hours)
Compact Fluorescent	9	**VPL-9**	G23	600	66.7	10,000
	13	**PLC-13**	GX23-2	860	66.2	10,000
	18	**PLC-18**	G24q-2	1160	64.4	10,000
	26	**PLT-26**	GX24q-3	1610	61.9	10,000
	32	**PLT-32**	GX24q-3	2200	68.8	10,000
High Pressure Sodium	35	**LU-35-MED**	—	2250	64.3	16,000
	50	**LU-50-MED**	—	4000	80.0	24,000+
Incandescent	60	—	—	865	14.4	1,000
	100	—	—	1710	17.1	750
	150	—	—	2850	19.0	750

Thomas&Betts
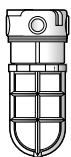
| COMPACT INDUSTRIAL LIGHTING FIXTURES | *Hazlite™ M9* | • Enclosed and Gasketed
• Outdoor Wet Locations
• Class I, Div. 2., Groups A, B, C, D
• Class I, Zone 2., Groups IIA, IIB, IIC
• Class II, Div. 2., Groups F, G
• Type 4
• IP66 |

Aluminum
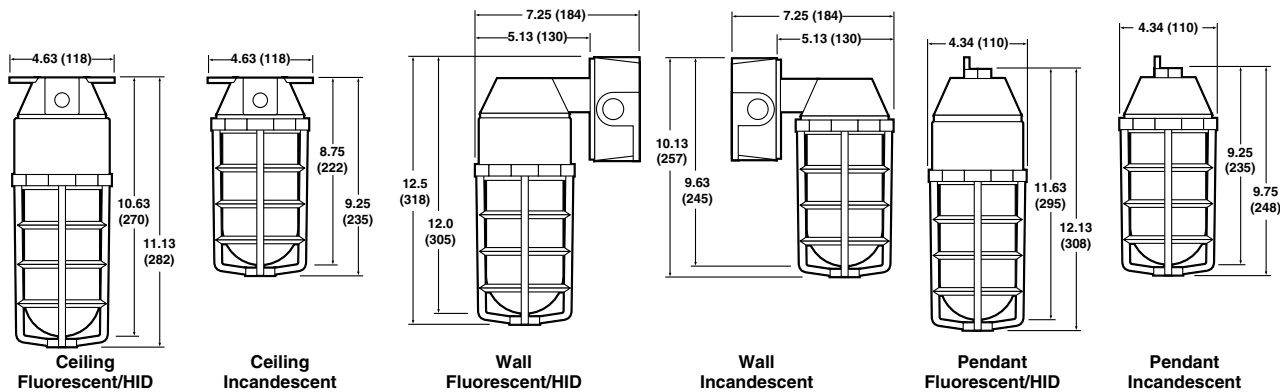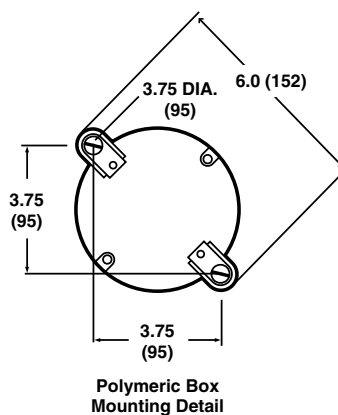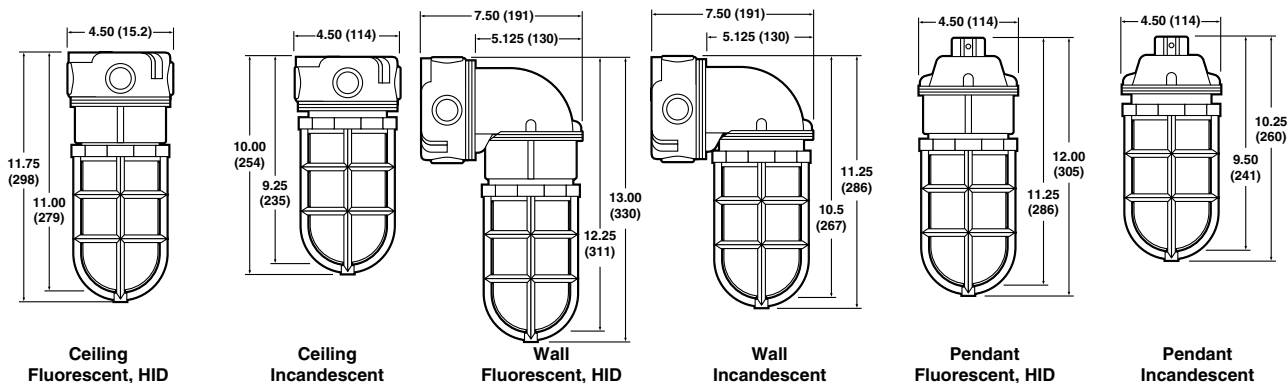
Ceiling Fluorescent/HID · Ceiling Incandescent · Wall Fluorescent/HID · Wall Incandescent · Pendant Fluorescent/HID · Pendant Incandescent

Polymeric

Ceiling Fluorescent, HID · Ceiling Incandescent · Wall Fluorescent, HID · Wall Incandescent · Pendant Fluorescent, HID · Pendant Incandescent

Polymeric Box Mounting Detail

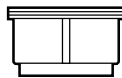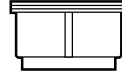| COMPACT INDUSTRIAL LIGHTING FIXTURES	*Hazlite™ M9*	**(UL)** **(CSA)**	• Enclosed and Gasketed • Outdoor Wet Locations • Class I, Div. 2., Groups A, B, C, D • Class I, Zone 2., Groups IIA, IIB, IIC • Class II, Div. 2., Groups F, G • Type 4 • IP66

D

Hazlux®
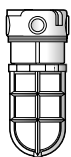
150W Incandescent

Globe and Guard
Report No. P5970
(Polymeric or Aluminum)

CANDLEPOWER—150 WATTS
Candlepower table values based on 2850 lumens per lamp. For candlepower of other lamps multiply table values by factor:

$$\text{Factor} = \frac{\text{New Lumens}}{2850}$$

CANDELA DISTRIBUTION

Angle	CP	Angle	CP
0	62	85	211
5	77	90	226
15	118	95	237
25	139	105	239
35	168	115	209
45	196	125	167
55	211	135	148
65	199	145	104
75	195	180	3

Total luminaire efficiency 78.1%

SPACING TO MOUNTING HEIGHT RATIO S/MH 3.0
BASED ON 10 FOOT MOUNTING HEIGHT
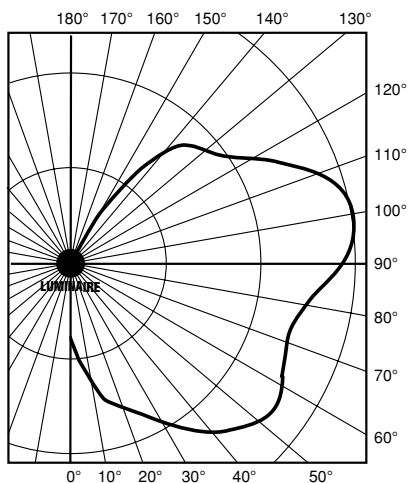
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

$$\text{Mounting Height Factor} = \frac{100}{\text{New MH}^2}$$

This report is based on published IES Testing Procedures. Significance is limited to the degree that the tested sample is representative and that test conditions are duplicated. Voltage and characteristics of lamps and ballasts can affect field performance.

32W Compact Fluorescent

Globe and Guard
Report No. P6030
(Polymeric or Aluminum)
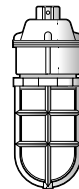
CANDLEPOWER—32 WATTS
Candlepower table values based on 2200 lumens per lamp. For candlepower of other lamps multiply table values by factor:

$$\text{Factor} = \frac{\text{New Lumens}}{2200}$$

CANDELA DISTRIBUTION

Angle	CP	Angle	CP
0	45	85	172
5	48	90	168
15	68	95	166
25	95	105	160
35	122	115	140
45	142	125	106
55	158	135	72
65	170	145	37
75	174	180	3

Total luminaire efficiency 73.1%

SPACING TO MOUNTING HEIGHT RATIO S/MH 3.2
BASED ON 10 FOOT MOUNTING HEIGHT
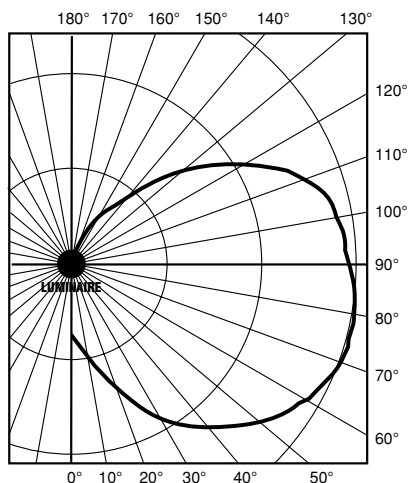
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

$$\text{Mounting Height Factor} = \frac{100}{\text{New MH}^2}$$

This report is based on published IES Testing Procedures. Significance is limited to the degree that the tested sample is representative and that test conditions are duplicated. Voltage and characteristics of lamps and ballasts can affect field performance.

Thomas&Betts

Hazlux®

FLUORESCENT LIGHTING FIXTURES for CLASS I, DIVISION 1; CLASS I, DIVISION 2; CLASS II; WET, MARINE and HAZARDOUS and HOSEDOWN LOCATIONS*

Check individual product listings for specific suitabilities.

Thomas&Betts

D

Hazlux®
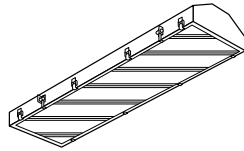
| HAZARDOUS AREA FLUORESCENT FIXTURES Catalog Numbering System | *Hazlux® 6*
 DFP, DFS SERIES | CSA
 NRTL/C | • CSA-NRTL/C
 • Class I, Division 2, Groups A,B,C,D
 • Class II, Division 1, Groups F, G
 • Outdoor Wet Locations
 • NEMA 3R, IP54 |

D

Hazlux®

Catalog Numbering System

DFP 2 4 4 ES 1 G - EB

(1)   (2) (3) (4) (5) (6) (7)   (8)

1) Fixture Suitability

DFP = Hazlux 6 Power Coated Steel
Class I, Division 2, Groups A, B, C, D
Class II, Division 1, Groups F, G
Outdoor, Wet Locations, NEMA3R

DFS = Hazlux 6 Stainless Steel
Class I, Division 2, Groups A, B, C, D
Class II, Division 1, Groups F, G
Outdoor, Wet Locations, NEMA 3R

2) Number of Lamps
2 = 2 Lamps (2' or 4')
3 = 3 Lamps (2' or 4')
4 = 4 Lamps (T8 or 4' Compact Fluorescent)
6 = 6 Lamps (T8 or 4' Compact Fluorescent)

3) Fixture Length (Nominal)
2 = 2 feet
4 = 4 feet

4) Lamp Type
1 = 265 mA, T8, 0°F
2 = 270 mA, Compact Fluor., 14°F
4 = 430 mA, Rapid Start, 50°F, T-12
6 = 800 mA, High Output (Rapid Start, -20°F), T-12

5) Ballast Type
EL = Electronic (Rapid Start, 50°F)
ES = Energy Saver (Rapid Start, 50°F)
HO = High Output (Rapid Start, -20°F)

6) Voltage/Frequency
1 = 120V, 60 Hz
2 = 220V, 50 Hz
3 = 240V, 60 Hz
4 = 277V, 60 Hz

7) LENS TYPE
G = Tempered Glass
A = Acrylic Plastic
P = Polycarbonate (Optional)

8) Options/Mounting Requirements
FT = 1/2" NPT End Hubs (in place of pendant hubs)
PFT = 1/2" NPT Pendant Hubs plus 1/2" NPT End Hubs
AG = 45° Angle Brackets[1] (Fixed)
KH = Adjustable Wall/Ceiling Brackets
CX = Chain Suspension Mount[1]
EB = Emergency Battery Backup (consult factory)
SW = On-Off Switch

NOTES:
• Lamps are not included.
• Two 1/2" NPT pendant hubs are standard; 3/4" NPT hubs available on request.
† "AG," "KH", and "CX" mounting hardware furnished as field installable kits.
• 3 Lamp DFS only available with 265mg T8 Lamps

Thomas&Betts

| 4' Fluorescent Lighting Fixtures 2 Lamp and 3 Lamp 430mA, Rapid Start | *Hazlux® 6* **DFP and DFS SERIES** | NRTL/C | • CSA-NRTL/C
• Class I, Division 2, Groups A, B, C, D
• Class II, Division 2, Group G
• Enclosed and Gasketed
• Suitable for Wet Locations
• NEMA 3R, IP54 |
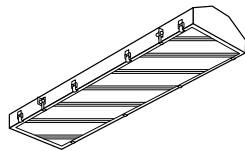
POWDER COATED STEEL FLUORESCENT FIXTURES

DESCRIPTION	NO. OF LAMPS/ NOMINAL LAMP WATTS	VOLTAGE	CONDUIT SIZE	GLASS LENS CATALOG NUMBER	ACRYLIC PLASTIC LENS CATALOG NUMBER
40 Watt, Energy Saver 430mA, Rapid Start 50°F Starting Temp.	2 - 40W	120 277	1/2"	**DFP244ES1G** **DFP244ES4G**	**DFP244ES1A** **DFP244ES4A**
	3 - 40W	120 277	1/2"	**DFP344ES1G** **DFP344ES4G**	**DFP344ES1A** **DFP344ES4A**

STAINLESS STEEL FLUORESCENT FIXTURES

DESCRIPTION	NO. OF LAMPS/ NOMINAL LAMP WATTS	VOLTAGE	CONDUIT SIZE	GLASS LENS CATALOG NUMBER	ACRYLIC PLASTIC LENS CATALOG NUMBER
40 Watt, Energy Saver 430mA, Rapid Start 50°F Starting Temp.	2 - 40W	120 277	1/2"	**DFS244ES1G** **DFS244ES4G**	**DFS244ES1A** **DFS244ES4A**
	3 - 40W	120 277	1/2"	**DFS344ES1G** **DFS344ES4G**	**DFS344ES1A** **DFS344ES4A**

Ordering Notes:
• Lamps are not included.
• Hazlux 6 fixtures are available with Emergency Battery Backup option. Add suffix "EB" to the catalog number. Example: DFP244ES1G-EB
• Two 1/2" NPT pendant hubs are standard; 3/4" hubs and feed-through hubs are available on request. Contact Hazlux.
• Refer to the "Catalog Numbering System" page D137 for mounting brackets, hardware, and other options.

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4' Fluorescent Lighting Fixtures	*Hazlux® 6*	CSA NRTL/C	• CSA-NRTL/C

4' Fluorescent Lighting Fixtures

2 Lamp, 3 Lamp, 4 Lamp T-8, Electronic Ballast

Hazlux® 6

DFP and DFS SERIES

NRTL/C

• CSA-NRTL/C
• Class I, Division 2, Groups A, B, C, D
• Class II, Division 1, Group F, G
• Enclosed and Gasketed
• Suitable for Wet Locations
• NEMA 3R, IP54

POWDER COATED STEEL FLUORESCENT FIXTURES

DESCRIPTION	NO. OF LAMPS/ NOMINAL LAMP WATTS	VOLTAGE	CONDUIT SIZE	GLASS LENS CATALOG NUMBER	ACRYLIC PLASTIC LENS CATALOG NUMBER
32 Watt, Energy Saver 265mA, Electronic 14°F Starting Temp.	2 - 32W	120 277	1/2"	**DFP241EL1G** **DFP241EL4G**	**DFP241EL1A** **DFP241EL4A**
	3 - 32W	120 277	1/2"	**DFP341EL1G** **DFP341EL4G**	**DFP341EL1A** **DFP341EL4A**
	4 - 32W	120 277	1/2"	**DFP441EL1G** **DFP441EL4G**	**DFP441EL1A** **DFP441EL4A**

STAINLESS STEEL FLUORESCENT FIXTURES

DESCRIPTION	NO. OF LAMPS/ NOMINAL LAMP WATTS	VOLTAGE	CONDUIT SIZE	GLASS LENS CATALOG NUMBER	ACRYLIC PLASTIC LENS CATALOG NUMBER
32 Watt, Energy Saver 265mA, Electronic 14°F Starting Temp.	2 - 32W	120 277	1/2"	**DFS241EL1G** **DFS241EL4G**	**DFS241EL1A** **DFS241EL4A**
	3 - 32W	120 277	1/2"	**DFS341EL1G** **DFS341EL4G**	**DFS341EL1A** **DFS341EL4A**
	4 - 32W	120 277	1/2"	**DFS441EL1G** **DFS441EL4G**	**DFS441EL1A** **DFS441EL4A**

Ordering Notes:
• Lamps are not included.
• Hazlux 6 fixtures are available with Emergency Battery Backup option. Add suffix "EB" to the catalog number. Example: DFP241EL1G-EB
• Two 1/2" NPT pendant hubs are standard; 3/4" hubs and feed-through hubs are available on request. Contact Hazlux.
• Refer to the "Catalog Numbering System" page D137 for mounting brackets, hardware, and other options.

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| 4' Fluorescent Lighting Fixtures

2 Lamp and 3 Lamp High Output (800mA) | *Hazlux® 6*

DFP and DFS SERIES | CSA NRTL/C | • CSA-NRTL/C
• Class I, Division 2, Groups A, B, C, D
• Class II, Division 1, Group F, G
• Enclosed and Gasketed
• Suitable for Wet Locations
• NEMA 3R, IP54 |

D

Hazlux®

POWDER COATED STEEL FLUORESCENT FIXTURES

DESCRIPTION	NO. OF LAMPS/ NOMINAL LAMP WATTS	VOLTAGE	CONDUIT SIZE	GLASS LENS CATALOG NUMBER	ACRYLIC PLASTIC LENS CATALOG NUMBER
60 Watt 800mA, High Output -20°F Starting Temp.	2 - 60W	120 277	1/2"	**DFP246HO1G** **DFP246HO4G**	**DFP246HO1A** **DFP246HO4A**
	3 - 60W	120 277	1/2"	**DFP346HO1G** **DFP346HO4G**	**DFP346HO1A** **DFP346HO4A**

STAINLESS STEEL FLUORESCENT FIXTURES

DESCRIPTION	NO. OF LAMPS/ NOMINAL LAMP WATTS	VOLTAGE	CONDUIT SIZE	GLASS LENS CATALOG NUMBER	ACRYLIC PLASTIC LENS CATALOG NUMBER
60 Watt 800mA, High Output -20°F Starting Temp.	2 - 60W	120 277	1/2"	**DFS246HO1G** **DFS246HO4G**	**DFS246HO1A** **DFS246HO4A**
	3 - 60W	120 277	1/2"	**DFS346HO1G** **DFS346HO4G**	**DFS346HO1A** **DFS346HO4A**

Ordering Notes:
• Lamps are not included.
• Hazlux 6 fixtures are available with Emergency Battery Backup option. Add suffix "EB" to the catalog number. Example: DFP246H01G-EB.
• Two 1/2" NPT pendant hubs are standard; 3/4" hubs and feed-through hubs are available on request. Contact Hazlux.
• Refer to the "Catalog Numbering System" page D137 for mounting brackets, hardware, and other options.

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4' Fluorescent Lighting Fixtures	*Hazlux® 6*	CSA NRTL/C	• CSA-NRTL/C

4' Fluorescent Lighting Fixtures

4 Lamp and 6 Lamp Compact Fluorescent

Hazlux® 6

DFP and DFS SERIES

CSA ® NRTL/C

• CSA-NRTL/C
• Class I, Division 2, Groups A, B, C, D
• Class II, Division 1, Group F, G
• Enclosed and Gasketed
• Suitable for Wet Locations
• NEMA 3R, IP54

D

Hazlux®

POWDER COATED STEEL FLUORESCENT FIXTURES

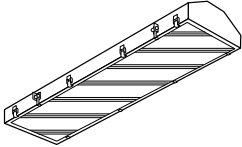| DESCRIPTION	NO. OF LAMPS/ NOMINAL LAMP WATTS	VOLTAGE	CONDUIT SIZE	GLASS LENS CATALOG NUMBER	ACRYLIC PLASTIC LENS CATALOG NUMBER
39 Watt 270mA, Electronic 14°F Starting Temp.	4 - 39W	120 277	1/2"	**DFP442EL1G** **DFP442EL4G**	**DFP442EL1A** **DFP442EL4A**
	6 - 39W	120 277	1/2"	**DFP642EL1G** **DFP642EL4G**	**DFP642EL1A** **DFP642EL4A**

STAINLESS STEEL FLUORESCENT FIXTURES

DESCRIPTION	NO. OF LAMPS/ NOMINAL LAMP WATTS	VOLTAGE	CONDUIT SIZE	GLASS LENS CATALOG NUMBER	ACRYLIC PLASTIC LENS CATALOG NUMBER
39 Watt 270mA, Electronic 14°F Starting Temp.	4 - 39W	120 277	1/2"	**DFS442EL1G** **DFS442EL4G**	**DFS442EL1A** **DFS442EL4A**
	6 - 39W	120 277	1/2"	**DFS642EL1G** **DFS642EL4G**	**DFS642EL1A** **DFS642EL4A**

Ordering Notes:
• Lamps are not included.
• Hazlux 6 fixtures are available with Emergency Battery Backup option. Add suffix "EB" to the catalog number. Example: DFP442EL1G-EB.
• Two 1/2" NPT pendant hubs are standard; 3/4" hubs and feed-through hubs are available on request. Contact Hazlux.
• Refer to the "Catalog Numbering System" page D137 for mounting brackets, hardware, and other options.

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<table>
<tr><td colspan="2">

2' Fluorescent Lighting Fixtures

2 Lamp and 3 Lamp T-8, Electronic Ballast
</td><td>

Hazlux® 6

DFP and DFS SERIES
</td><td>

CSA
NRTL/C
</td><td>

• CSA-NRTL/C
• Class I, Division 2, Groups A, B, C, D
• Class II, Division 1, Group F, G
• Enclosed and Gasketed
• Suitable for Wet Locations
• NEMA 3R, IP54
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D

Hazlux®

POWDER COATED STEEL FLUORESCENT FIXTURES
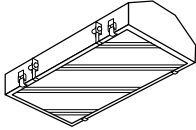
DESCRIPTION	NO. OF LAMPS/ NOMINAL LAMP WATTS	VOLTAGE	CONDUIT SIZE	GLASS LENS CATALOG NUMBER	ACRYLIC PLASTIC LENS CATALOG NUMBER
17 Watt, Energy Saver 265mA, Electronic 14°F Starting Temp.	2 - 17W	120 277	1/2"	**DFP221EL1G** **DFP221EL4G**	**DFP221EL1A** **DFP221EL4A**
	3 - 17W	120 277	1/2"	**DFP321EL1G** **DFP321EL4G**	**DFP321EL1A** **DFP321EL4A**
	4 - 17W	120 277	1/2"	**DFP421EL1G** **DFP421EL4G**	**DFP421EL1A** **DFP421EL4A**

STAINLESS STEEL FLUORESCENT FIXTURES

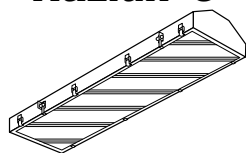| DESCRIPTION	NO. OF LAMPS/ NOMINAL LAMP WATTS	VOLTAGE	CONDUIT SIZE	GLASS LENS CATALOG NUMBER	ACRYLIC PLASTIC LENS CATALOG NUMBER
17 Watt, Energy Saver 265mA, Electronic 14°F Starting Temp.	2 - 17W	120 277	1/2"	**DFS221EL1G** **DFS221EL4G**	**DFS221EL1A** **DFS221EL4A**
	3 - 17W	120 277	1/2"	**DFS321EL1G** **DFS321EL4G**	**DFS321EL1A** **DFS321EL4A**
	4 - 17W	120 277	1/2"	**DFS421EL1G** **DFS421EL4G**	**DFS421EL1A** **DFS421EL4A**

Ordering Notes:
• Lamps are not included.
• Hazlux 6 fixtures are available with Emergency Battery Backup option. Add suffix "EB" to the catalog number. Example: DFP224EL1G-EB
• Two 1/2" NPT pendant hubs are standard; 3/4" hubs and feed-through hubs are available on request. Contact Hazlux.
• Refer to the "Catalog Numbering System" page D137 for mounting brackets, hardware, and other options.

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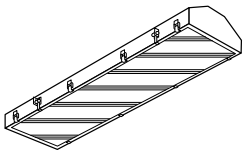| 2' Fluorescent Lighting Fixtures

2 Lamp and 3 Lamp Compact Fluorescent | *Hazlux® 6*

DFP and DFS SERIES | UL NRTL/C | • CSA-NRTL/C
• Class I, Division 2, Groups A, B, C, D
• Class II, Division 1, Group F, G
• Enclosed and Gasketed
• Suitable for Wet Locations
• NEMA 3R, IP54 |

POWDER COATED STEEL FLUORESCENT FIXTURES

DESCRIPTION	NO. OF LAMPS/ NOMINAL LAMP WATTS	VOLTAGE	CONDUIT SIZE	GLASS LENS CATALOG NUMBER	ACRYLIC PLASTIC LENS CATALOG NUMBER
39 Watt 270mA, Electronic 14°F Starting Temp.	2 - 39W	120 277	1/2"	DFP222EL1G DFP222EL4G	DFP222EL1A DFP222EL4A
	3 - 39W	120 277	1/2"	DFP322EL1G DFP322EL4G	DFP322EL1A DFP322EL4A

STAINLESS STEEL FLUORESCENT FIXTURES

DESCRIPTION	NO. OF LAMPS/ NOMINAL LAMP WATTS	VOLTAGE	CONDUIT SIZE	GLASS LENS CATALOG NUMBER	ACRYLIC PLASTIC LENS CATALOG NUMBER
39 Watt 270mA, Electronic 14°F Starting Temp.	2 - 39W	120 277	1/2"	DFS222EL1G DFS222EL4G	DFS222EL1A DFS222EL4A
	3 - 39W	120 277	1/2"	DFS322EL1G DFS322EL4G	DFS322EL1A DFS322EL4A

Ordering Notes:
• Lamps are not included.
• Hazlux 6 fixtures are available with Emergency Battery Backup option. Add suffix "EB" to the catalog number. Example: DFP242EL1G-EB.
• Two 1/2" NPT pendant hubs are standard; 3/4" hubs and feed-through hubs are available on request. Contact Hazlux.
• Refer to the "Catalog Numbering System" page D137 for mounting brackets, hardware, and other options.

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Hazlux® 6
Dimensional Drawings

Hazlux 6
Series DFP/DFS

24"
(610)

13.5"
(343)

6.2"
(157)

3.2"
(81)

14.4"
(366)

48"
(1219)

13.5"
(343)

6.2"
(157)

3.2"
(81)

14.4"
(366)

48"
(1219)

24"
(610)

13.5"
(343)

6.2"
(157)

3.2"
(81)

14.4"
(366)

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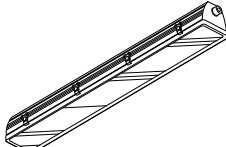
HAZARDOUS AREA FLUORESCENT FIXTURES **Catalog Numbering System**	***Hazlux® 6*** **DFA SERIES**	(UL) (CSA)	• CSA and UL844 • Class I, Division 2, Groups A,B,C,D • UL595 Outdoor Marine • Enclosed and Gasketed • NEMA 3R, Outdoor Wet Locations

D

Hazlux®

Catalog Numbering System

DFA 2 4 4 ES 1 A - FB
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

1) Fixture Suitability

DFA = Hazlux 6 Extruded Aluminum
Class I, Division 2, Groups A, B, C, D
Outdoor, Marine Locations
Outdoor, Wet Locations
NEMA 3R Raintight

2) Number of Lamps

2 = 2 Lamps (2' or 4')
4 = 4 Lamps (4' Compact Fluorescent Only)

3) Fixture Length (Nominal)

2 = 2 feet
4 = 4 feet

4) Lamp Type

1 = 265 mA, T8, 0°F
2 = 270 mA, Compact Fluor., 14°F
4 = 430 mA, Rapid Start, 50°F
6 = 800 mA, High Output (Rapid Start, -20°F)

5) Ballast Type

EL = Electronic (Rapid Start, 50°F)
ES = Energy Saver (Rapid Start, 50°F)
HO = High Output (Rapid Start, -20°F)

6) Voltage/Frequency

1 = 120V, 60 Hz
2 = 220V, 50 Hz
3 = 240V, 60 Hz
4 = 277V, 60 Hz

7) Lens Type

A = Acrylic Plastic
P = Polycarbonate (Optional)

8) Options/Mounting Requirements

SC = Safety Support Cable
AG = 45° Angle Brackets[1] (Fixed)
FB = Fused Ballast
EB = Emergency Battery Backup (consult factory)
BC = Beam Clamps

NOTES:
• Lamps are not included.
• One 1/2" NPT end hub is standard.
• Adjustable 90° mounting brackets are standard.
• Safety eyebolt hook is standard on single hub fixtures.

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| 4' Fluorescent Lighting Fixtures

2 Lamp and 4 Lamp | *Hazlux® 6*
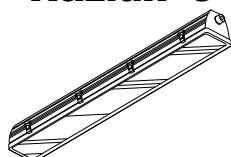
DFA SERIES | (UL) (CSA) | • CSA and UL844
• Class I, Division 2, Groups A, B, C, D
• UL595 Outdoor Marine
• NEMA 3R, Outdoor Wet Locations |

DFA Series
Four Foot Extruded Aluminum Fluorescent Fixtures

430 mA T-12, Rapid Start, 40W Nominal Lamps

DESCRIPTION	NO. OF LAMPS	VOLTAGE/ FREQUENCY	CONDUIT SIZE	ACRYLIC LENS CATALOG NUMBER	POLYCARBONATE LENS CATALOG NUMBER
40 Watt, Energy Saver 430mA, Rapid Start 50°F Starting Temp.	2	120V/60 Hz 220V/50 Hz 277V/60 Hz	1/2"	DFA244ES1A DFA244ES2A DFA244ES4A	DFA244ES1P DFA244ES2P DFA244ES4P

265 mA T-8, Electronic, 32W Nominal Lamps

DESCRIPTION	NO. OF LAMPS	VOLTAGE/ FREQUENCY	CONDUIT SIZE	ACRYLIC LENS CATALOG NUMBER	POLYCARBONATE LENS CATALOG NUMBER
32 Watt, Energy Saver 265mA, Electronic 14°F Starting Temp.	2	120V/60 Hz 220V/50 Hz 277V/60 Hz	1/2"	DFA241EL1A DFA241EL2A DFA241EL4A	DFA241EL1P DFA241EL2P DFA241EL4P

800 mA T-12, High Output, 60W Nominal Lamps
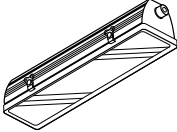
DESCRIPTION	NO. OF LAMPS	VOLTAGE/ FREQUENCY	CONDUIT SIZE	ACRYLIC LENS CATALOG NUMBER	POLYCARBONATE LENS CATALOG NUMBER
60 Watt, Energy Saver 800mA, High Output -20°F Starting Temp.	2	120V/60 Hz 220V/50 Hz 277V/60 Hz	1/2"	DFA246HO1A DFA246HO2A DFA246HO4A	DFA246HO1P DFA246HO2P DFA246HO4P

270 mA Compact Fluorescent, 39W Nominal Lamps

DESCRIPTION	NO. OF LAMPS	VOLTAGE/ FREQUENCY	CONDUIT SIZE	ACRYLIC LENS CATALOG NUMBER	POLYCARBONATE LENS CATALOG NUMBER
39 Watt 270mA, Electronic 14°F Starting Temp.	4	120V/60 Hz 220V/50 Hz 277V/60 Hz	1/2"	DFA442EL1A DFA442EL2A DFA442EL4A	DFA442EL1P DFA442EL2P DFA442EL4P

Ordering Notes:
• Lamps are not included.
• Hazlux 6 DFA fixtures are available with Emergency Battery Backup option. Add suffix "EB" to the catalog number. Example: DFA241ES1A-EB.
• One 1/2" NPT end hub is standard; two 1/2" NPT end hubs are available. See "Catalog Numbering System" page D145.
• Refer to the "Catalog Numbering System" page D145 for mounting brackets, hardware, and other options.

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2' Fluorescent Lighting Fixtures 2 Lamp	*Hazlux® 6* **DFA SERIES**	(UL) (CSA)	• CSA and UL844 • Class I, Division 2, Groups A, B, C, D • UL595 Outdoor Marine • NEMA 3R, Outdoor Wet Locations

DFA Series
Two Foot Extruded Aluminum Fluorescent Fixtures

265 mA T-8, Electronic, 17W Nominal Lamps

DESCRIPTION	NO. OF LAMPS	VOLTAGE/ FREQUENCY	CONDUIT SIZE	ACRYLIC LENS CATALOG NUMBER	POLYCARBONATE LENS CATALOG NUMBER
17 Watt, Energy Saver 265mA, Electronic 14°F Starting Temp.	2	120V/60 Hz 220V/50 Hz 277V/60 Hz	1/2"	DFA221EL1A DFA221EL2A DFA221EL4A	DFA221EL1P DFA221EL2P DFA221EL4P

270 mA Compact Fluorescent, 39W Nominal Lamps

DESCRIPTION	NO. OF LAMPS	VOLTAGE/ FREQUENCY	CONDUIT SIZE	ACRYLIC LENS CATALOG NUMBER	POLYCARBONATE LENS CATALOG NUMBER
39 Watt 270mA, Electronic 14°F Starting Temp.	2	120V/60 Hz 220V/50 Hz 277V/60 Hz	1/2"	DFA222EL1A DFA222EL2A DFA222EL4A	DFA222EL1P DFA222EL2P DFA222EL4P

800 mA T-12, High Output, 35W Nominal Lamps

DESCRIPTION	NO. OF LAMPS	VOLTAGE/ FREQUENCY	CONDUIT SIZE	ACRYLIC LENS CATALOG NUMBER	POLYCARBONATE LENS CATALOG NUMBER
35 Watt 800mA, High Output 14°F Starting Temp.	2	120V/60 Hz 220V/50 Hz 277V/60 Hz	1/2"	DFA226HO1A DFA226HO2A DFA226HO4A	DFA226HO1P DFA226HO2P DFA226HO4P

Ordering Notes:
• *Lamps not included.*
• *Hazlux 6 DFA fixtures are available with Emergency Battery Backup option. Add suffix "EB" to the catalog number. Example: DFA241ES1A-EB.*
• *One 1/2" NPT end hub is standard; two 1/2" NPT end hubs are available. See "Catalog Numbering System" page D145.*
• *Refer to the "Catalog Numbering System" page D145 for mounting brackets, hardware, and other options.*
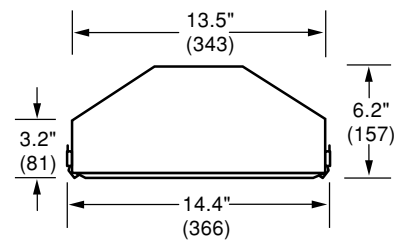
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Hazlux® 6
Dimensional Drawings

Hazlux 6
Series DFA

51.6"
(1311)

6.3"
(160)

6.5"
(165)

50"
(1270)

Thomas&Betts
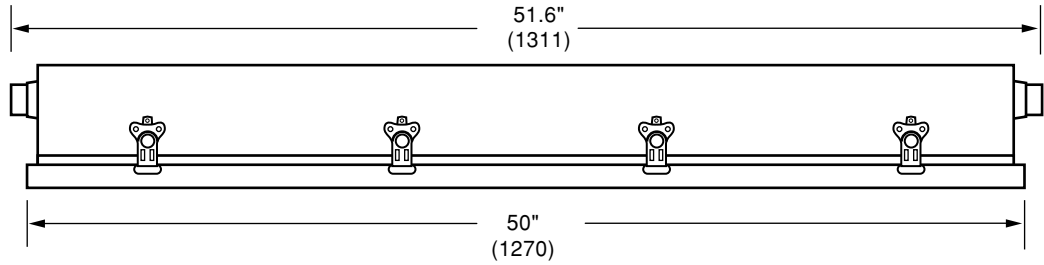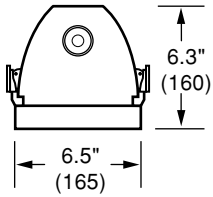
LumaShield™ Products

- Totally sealed fixture design, suitable for high pressure wash-down areas.
- Tested at 1500 PSI for 60 minute duration, at 5' and 10' distance, nozzle dispersion 0 degree.
- Corrosion resistance non-metallic housing.
- Extruded aluminum interior assembly.
- All external hardware stainless steel or nonmetallic.
- Standard clear, impact resistant, acrylic lens.
- Silicone gasket permanently mounted in end cap.
- Spring loaded sockets on all HO models.
- Locking sockets on RS models made of industrial grade high temperature PBT.
- Available in single or feed-thru hub design.
- Suspended cable mounting or fixed stainless steel hardware available.
- Optional quick disconnect receptacle available for non-hazardous models.
- 2, 4 and 8 foot models with 2 lamp T8 or T12 designs.
- 8 foot models are also available with four, 4-foot lamps.
- Compact fluorescent 2 lamp, 2 foot and 4 lamp, 4-foot models.
- Round design allows for no water collection on fixture.

Applications:

- Food Processing
- Marine Applications
- Degreasing Facilities
- Meat and Fish inspection areas
- Food handling areas
- Meat and Poultry processing plants
- Pharmaceutical operations
- Waste treatment plants

D

Hazlux®

Thomas&Betts

| PROCESSING and WASH-DOWN FLUORESCENT FIXTURES
Catalog Numbering System | *Hazlux LumaShield*™
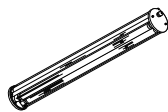
PFT and PDFT Series | (UL) | • CSA-NRTL/C
• Class I, Division 2, Groups A, B, C, D†
• Class II, Division 2, Groups F, G†
• Wet Locations, Type 4
†PDFT models only |

PFT 2 8 6 HO 1 A - QD
(1) (2)(3)(4)(5)(6)(7) (8)

1) Fixture Series and Suitability
PFT = Hazlux LumaShield Series
Wet Locations, Type 4

PDFT = Hazlux LumaShield Series
Class I, Division 2, Groups A, B, C, D
Class II, Division 2, Groups F, G
Wet Locations, Type 4

2) Lamp Type
2 = 2 Lamps (2', 4' or 8')
4 = 4 Lamps (4' Compact Fluorescent)

3) Fixture Length (Nominal)
2 = 2 feet
4 = 4 feet
8 = 8 feet

4) Lamp Wattage
1 = 265 mA, T8, 14°F
2 = 270 mA, Compact Fluor., 14°F
4 = 430 mA, Rapid Start, 50°F
5 = 425 mA, Slimline, -20°F
6 = 800 mA, High Output T12, -20°F
7 = 800 mA, High Output T8, +50°F

5) Ballast Circuit
EL = Electronic (Rapid Start, 0°F)
ES = Energy Saver (Rapid Start, 50°F)
SL = Slimline (Instant Start, -20°F)
HO = High Output (Rapid Start, -20°F) (2', 4')
High Output (Electronic) (8' only)

Note: Check "Ordering Information" tables for allowable lamp/ballast combinations.

6) Voltage/Frequency
1 = 120V, 60 Hz
2 = 220V, 50 Hz
4 = 277V, 60 Hz
8 = 220V, 60 Hz

7) Lens/Housing Type
A = Acrylic Plastic
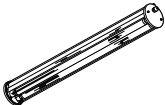
8) Options
FT = 1/2" NPT End Hubs
CW = Ceiling/Wall Bracket Kit
CS = Cable Suspension Mounting Kit
EB = Emergency Battery Backup (consult factory)
PW = Pre-wired with 6' cord
QD = Quick Connect Option (includes fixture mounted receptacle and 6' molded mating plug/cord)
SW = On-Off Switch

Notes:
• Lamps not included.
• One 1/2" NPT end hub is standard.
• "CW" and "CS" mounting hardware furnished as field installable kits.

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PROCESSING and WASH-DOWN FLUORESCENT FIXTURES Non-Hazardous Areas	*Hazlux LumaShield™* **PFT Series**	(UL)	• CSA-NRTL/C • Enclosed and Gasketed • Wet Locations, Type 4

D

Hazlux®

LumaShield™ PFT Series Fixtures

Non-Hazardous Processing and Wash-Down Fluorescent Fixtures

Fixture Length	Description	No. of Lamps/ Nom. Watts	Voltage	Conduit Size	Catalog Number
2 Foot	F40/30 Compact Fluorescent 270mA, Electronic Ballast -20°F Starting Temp.	2 - 39W	120 277	1/2"	**PFT222EL1A PFT222EL4A**
	F40/30 Compact Fluorescent 270mA, Electronic Ballast 14°F Starting Temp.	2 - 39W	120 277	1/2"	**PFT221EL1A PFT221EL4A**
4 Foot	F32T8, Energy Saver 265mA, Electronic Ballast 14°F Starting Temp.	2 - 32W	120 277	1/2"	**PFT241EL1A PFT241EL4A**
	F40T12, Rapid Start 430mA, Magnetic Ballast +50°F Starting Temp.	2 - 34W	120 277	1/2"	**PFT244ES1A PFT244ES4A**
	F48T12, High Output 800mA, Magnetic Ballast -20°F Starting Temp.	2 - 60W	120 277	1/2"	**PFT246HO1A PFT246HO4A**
	F40/30 Compact Fluorescent 270mA, Electronic Ballast 14°F Starting Temp.	4 - 39W	120 277	1/2"	**PFT442EL1A PFT442EL4A**
8 Foot	F96T12 Slimline 425mA, Magnetic Ballast -20°F Starting Temp.	2 - 75W	120 277	1/2"	**PFT285SL1A PFT285SL4A**
	F96T8 High Output 800mA, Electronic Ballast +50°F Starting Temp.	2 - 86W	120 277	1/2"	**PFT287HO1A PFT287HO4A**
	F96T12 High Output 800mA, Electronic Ballast -20°F Starting Temp.	2 - 110W	120 277	1/2"	**PFT286HO1A PFT286HO4A**

Hazlux 6 PFT Ordering Notes:
1. One 1/2'' NPT end hub is standard; two end hubs are available. Refer to "Options" table below.
2. Standard "PFT" units are for non-hazardous locations. To order unit for Class I, Div. 2/Class II, Div. 2 locations, change "PFT" in catalog number to "PDFT". Check Certification Chart.
3. 220V, 50 Hz. ballasts are available for some units; To order replace "EL1" with "EL2". Example: PFT241EL2G.

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PROCESSING and WASH-DOWN FLUORESCENT FIXTURES Hazardous Areas	*Hazlux LumaShield™* **PDFT Serires**	(UL)	• CSA-NRTL/C • Class 1, Division 2, Groups A, B, C, D • Class II, Division 2, Groups F, G • Enclosed and Gasketed • Wet Locations, Type 4

D

Hazlux®

LumaShield™ PDFT Series Fixtures

Hazardous Location Processing and Wash-Down Fluorescent Fixtures

Fixture Length	Description	No. of Lamps/ Nom. Watts	Voltage	Conduit Size	Catalog Number
2 Foot	F40/30 Compact Fluorescent 270mA, Electronic Ballast 14°F Starting Temp.	2 - 39W	120 277	1/2"	**PDFT222EL1A PDFT222EL4A**
	F17T8, Energy Saver 265mA, Electronic Ballast 14°F Starting Temp.	2 - 17W	120 277	1/2"	**PDFT221EL1A PDFT221EL4A**
4 Foot	F32T8, Energy Saver 265mA, Electronic Ballast 14°F Starting Temp.	2 - 32W	120 277	1/2"	**PDFT241EL1A PDFT241EL4A**
	F40T12, Emergy Saver 430mA, Magnetic Ballast +50°F Starting Temp.	2 - 34W	120 277	1/2"	**PDFT244ES1A PDFT244ES4A**
	F48T12, High Output 800mA, Magnetic Ballast -20°F Starting Temp.	2 - 60W	120 277	1/2"	**PDFT246HO1A PDFT246HO4A**
	F40/30 Compact Fluorescent 270mA, Electronic Ballast 14°F Starting Temp.	4 - 39W	120 277	1/2"	**PDFT442EL1A PDFT442EL4A**
8 Foot	F96T12 Slimline 425mA, Magnetic Ballast -20°F Starting Temp.	2 - 75W	120 277	1/2"	**PDFT285SL1A PDFT285SL4A**
	F96T8 High Output 800mA, Electronic Ballast +50°F Starting Temp.	2 -86W	120 277	1/2"	**PDFT287HO1A PDFT287HO4A**
	F96T12 High Output 800mA, Electronic Ballast -20°F Starting Temp.	2 - 110W	120 277	1/2"	**PDFT286HO1A PDFT286HO4A**

Hazlux 6 PDFT Ordering Notes:
1. One 1/2" NPT end hub is standard; two end hubs are available. Add suffix "FT" to catalog number.
2. 220V, 50 Hz. ballasts are available for some units; contact Hazlux.

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 www.tnb.com
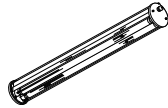
PROCESSING and WASH-DOWN FLUORESCENT FIXTURES Mounting Options	*Hazlux LumaShield™* **PFT and PDFT Series**	(UL)	• CSA-NRTL/C • Class I, Division 2, Groups A, B, C, D† • Class II, Division 2, Groups F, G† • Wet Locations, Type 4 †PDFT models only

LumaShield™ Mounting Options

Cable Mount

48" C TO C (1219)

18.5" (470)

Ceiling/Wall Mount

1" (25)

7.5" (191)

10.8" (274)

6.5" (165)

50.75" C TO C (1289)

0.275 (7)

10.75" (273)
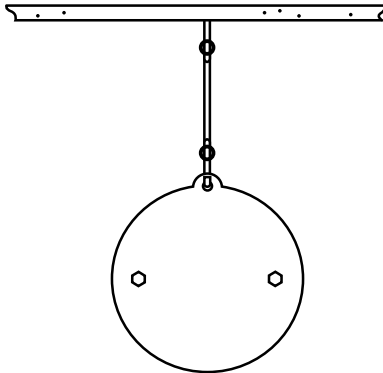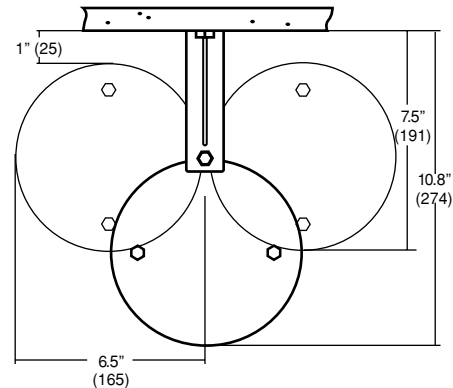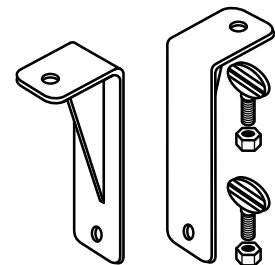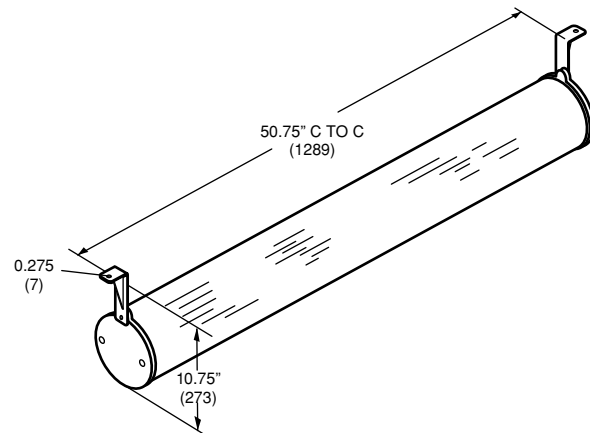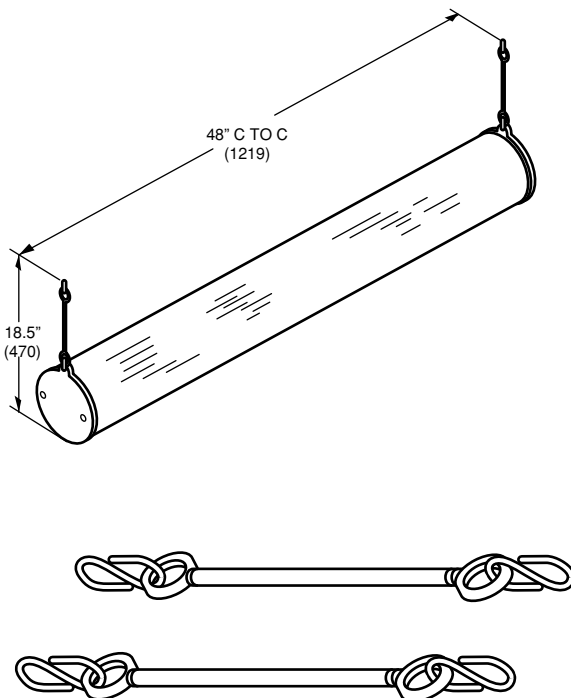
Suspended Cable Kit
Cat. #PFT-CABKIT

Consisting of: 2 - 12" nylon coated stainless steel cable w/loops and hooks. For other than 12" add length in inches to catalog #, i.e. PFT-CABKIT24 for 24".

Ceiling/Wall Bracket Kit
Cat. #PFT-CWKIT

Consisting of: 2 stainless steel 90 degree brackets and fixture mount hardware. Mounting hardware not included.

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PROCESSING and WASH-DOWN FLUORESCENT FIXTURES Mounting Options	*Hazlux LumaShield™* **PFT and PDFT Series**	(UL)	• CSA-NRTL/C • Class I, Division 2, Groups A, B, C, D† • Class II, Division 2, Groups F, G† • Wet Locations, Type 4 †PDFT models only

D

Hazlux®

LumaShield™ Wiring Accessories
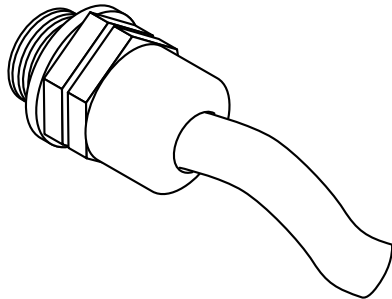
Cord Assembly
Cat. # PFT-C163-6*
Cord assembly consisting of: strain relief connector 6' of #16/3 cable. If longer cable required change suffix to length needed.
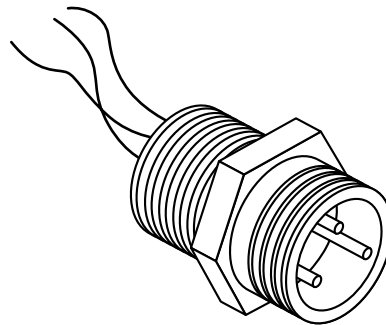
Receptacle
Cat. # PFT-REC*
Fixture mounted receptacle. Required when PFT-P163-6 is used.
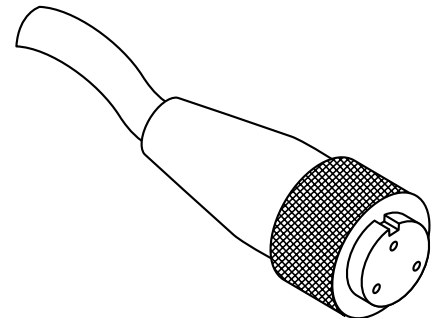
Cord Assembly
Cat. # PFT-P163-6
Cord assembly consiting of: molded plug and 6' of #16/3 cable. If longer cable required change suffix to length needed.

*Factory installed when ordered with fixture.

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EXPLOSION-PROOF FLUORESCENT FIXTURES
Catalog Numbering System

Hazlux® 7
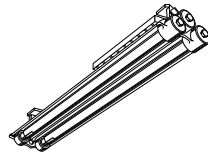
XFM SERIES

(UL)

• UL844
• Class I, Division 1, Groups C,D
• Class II, Division 1, Groups E,F,G
• UL595 Outdoor Marine
• Outdoor Wet Locations
• IP66

D

Hazlux®

Catalog Numbering System

XFM **2** **4** **4** **ES** **1** **G**
① ② ③ ④ ⑤ ⑥ ⑦

1) Fixture Suitability
XFM = Hazlux 7 Explosionproof Fluorescent
Class I, Division 1, Groups C, D
Class II, Division 1, Groups E, F, G
Outdoor Marine and Wet Locations

2) Number of Lamps
2 = 2 Lamps (2' or 4')
4 = 4 Lamps (T8 or 4' Compact Fluorescent)

3) Fixture Length (Nominal)
2 = 2 Feet
4 = 4 Feet

4) Lamp Type
1 = 265 mA, T8, 14°F
2 = 270 mA, Compact Fluor., 14°F
4 = 430 mA, Rapid Start, 40°F, T12
6 = 800 mA, High Output, -20°F
8 = 1500 mA, Very High Output (Contact* Hazlux)

5) Ballast Type
EL = Electronic (Rapid Start, 14°F)
ES = Energy Saver (Rapid Start, 50°F)
LT = Low Temperature (Rapid Start, 0°F)
HO = High Output (Rapid Start, -20°F)
VH = Very High Output (Contact Hazlux)
NOTE: Check "Ordering Information" tables for allowable lamp/ballast combinations.

6) Voltage/Frequency
1 = 120V, 60 Hz
2 = 220V, 50 Hz
3 = 240V, 60 Hz
4 = 277V, 60 Hz

7) Lens Type
G = Tempered Glass Tube

8) Options/Mounting Requirements
FB = Fused Ballast
WG = Wire Guard
BC = Beam Clamps
EB = Emergency Back-up
ET = Emergency Test Switch

NOTES:
• Lamps are not included.
• Two 1/2" NPT conduit hubs are provided at splice box.
* 1500MA Lamp has T-3 temp rating and is only Class II for 120 volt.

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4' Fluorescent Lighting Fixtures 2 Lamp, 4 Lamp, 8 Lamp	*Hazlux® 7* XFM SERIES	(UL)	• UL844 • Class I, Division 1, Groups C, D • Class II, Division 1, Groups E, F, G • UL 595 Outdoor Marine • Outdoor Wet Locations
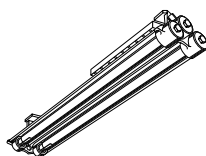
D

Hazlux®

Hazlux® 7 XFM Series
Four Foot Explosionproof Fluorescent Fixtures

430 mA T-12, Rapid Start, 40W Nominal Lamps

DESCRIPTION	NO. OF LAMPS	VOLTAGE/ FREQUENCY	CONDUIT SIZE	2 LAMP CATALOG NUMBER	4 LAMP CATALOG NUMBER
40 Watt, Energy Saver 430mA, Rapid Start 50°F Starting Temp.	2 or 4	120V/60 Hz 220V/50 Hz 277V/60 Hz	1/2"	XFM244ES1G XFM244ES2G XFM244ES4G	XFM444ES1G XFM444ES2G XFM444ES4G

265 mA T-8, Electronic, 32W Nominal Lamps

DESCRIPTION	NO. OF LAMPS	VOLTAGE/ FREQUENCY	CONDUIT SIZE	2 LAMP CATALOG NUMBER	4 LAMP CATALOG NUMBER
32 Watt, Energy Saver 265mA, Electronic 14°F Starting Temp.	2 or 4	120V/60 Hz 220V/50 Hz 277V/60 Hz	1/2"	XFM241EL1G XFM241EL2G XFM241EL4G	XFM441EL1G XFM441EL2G XFM441EL4G

800 mA T-12, High Output, 60W Nominal Lamps
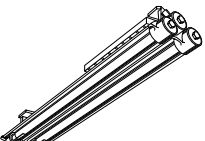
DESCRIPTION	NO. OF LAMPS	VOLTAGE/ FREQUENCY	CONDUIT SIZE	2 LAMP CATALOG NUMBER	4 LAMP CATALOG NUMBER
60 Watt, Energy Saver 800mA, High Output -20°F Starting Temp.	2 or 4	120V/60 Hz 220V/50 Hz 277V/60 Hz	1/2"	XFM246HO1G XFM246HO2G XFM246HO4G	XFM446HO1G XFM446HO2G XFM446HO4G

270 mA Compact Fluorescent, 39W Nominal Lamps

DESCRIPTION	NO. OF LAMPS	VOLTAGE/ FREQUENCY	CONDUIT SIZE	2 LAMP CATALOG NUMBER	4 LAMP CATALOG NUMBER
39 Watt 270mA, Electronic 14°F Starting Temp.	4 or 8	120V/60 Hz 220V/50 Hz 277V/60 Hz	1/2"	XFM242EL1G XFM242EL2G XFM242EL4G	XFM442EL1G XFM442EL2G XFM442EL4G

Ordering Notes:
• Lamps are not included.
• Two 1/2" NPT end hubs are provided at splice box.
• Refer to the "Catalog Numbering System" page D155 for mounting brackets, hardware, and other options.

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| 2' Fluorescent Lighting Fixtures

2 Lamp | *Hazlux® 7*

XFM SERIES | (UL) | • UL844
• Class I, Division 1, Gruops C,D
• Class II, Division 1, Groups E, F,G
• UL 595 Outdoor Marine
• Outdoor Wet Locations
• IP66 |

Hazlux® 7 XFM Series
Two Foot Explosionproof Fluorescent Fixtures

265 mA T-8, Electronic, 17W Nominal Lamps

DESCRIPTION	NO. OF LAMPS	VOLTAGE/ FREQUENCY	CONDUIT SIZE	2 LAMP CATALOG NUMBER
17 Watt, Energy Saver 265mA, Electronic 14°F Starting Temp.	2	120V/60 Hz 220V/50 Hz 277V/60 Hz	1/2"	**XFM221EL1G** **XFM221EL2G** **XFM221EL4G**

270 mA Compact Fluorescent, 39W Nominal Lamps

DESCRIPTION	NO. OF LAMPS	VOLTAGE/ FREQUENCY	CONDUIT SIZE	2 LAMP CATALOG NUMBER
38 Watt 270mA, Electronic 14°F Starting Temp.	2	120V/60 Hz 220V/50 Hz 277V/60 Hz	1/2"	**XFM222EL1G** **XFM222EL2G** **XFM222EL4G**

800 mA T-12, High Output, 35W Nominal Lamps

DESCRIPTION	NO. OF LAMPS	VOLTAGE/ FREQUENCY	CONDUIT SIZE	2 LAMP CATALOG NUMBER
35 Watt 800mA, High Output 14°F Starting Temp.	2	120V/60 Hz 220V/50 Hz 277V/60 Hz	1/2"	**XFM226HO1G** **XFM226HO2G** **XFM226HO4G**

Ordering Notes:
• Lamps are not included.
• Two 1/2" NPT end hubs are provided at splice box.
• Refer to the "Catalog Numbering System" page D155 for mounting brackets, hardware, and other options.

Thomas&Betts

Hazlux®7
Dimensional Drawings

XFM Series

11.3"
(287)

51.5"
(1308)

8.5"   7.3"
(216) (184)

23.5"
(597)

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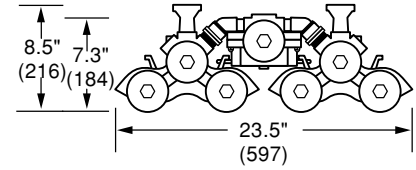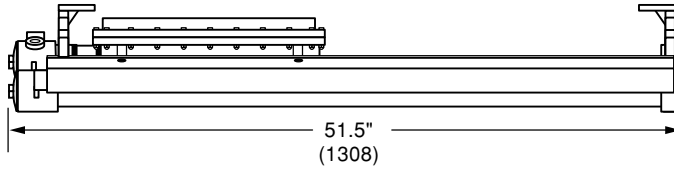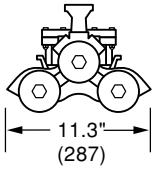
Hazlux®

HID EXPLOSIONPROOF FIXTURES for CLASS I, DIVISION 1; CLASS II; WET and MARINE LOCATIONS*

CONTENTS	PAGE

*Check individual product listings for specific suitabilities.

Thomas&Betts

EXPLOSION-PROOF HID LIGHTING FIXTURES	*Hazlux® 5*		• UL 844

EXPLOSION-PROOF HID LIGHTING FIXTURES

Catalog Numbering System

Hazlux® 5

Mogul Base 50 - 400 Watts

(UL)
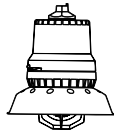
• UL 844
• Class I, Divison 1, Groups C, D*
• Class II, Division 1 & 2, Groups E, F, G*
• Suitable for Wet Locations
• UL 1598 Marine, NEMA 4X

Catalog Numbering System

X S 0 07 H 040 - G - C2 - E

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑩

1) Fixture Suitability

X = Hazardous Location
Class I, Division 1 & 2, Groups C, D
Class II, Division 1 & 2, Groups E, F, G
Class III, Division 1 & 2
NEMA 4X
Miscellaneous Marine

2) Lamp Type

M = Mercury Vapor
S = High Pressure Sodium
H = Metal Halide
C = High Pressure Sodium

3) Quartz and Instant Restart Options

0 = Standard Fixture
P = Pulse Start
Q = Fixture with Auxiliary Quartz option
R = Fixture with Instant Restart option
(70, 100 and 150 HPS only)

4) Lamp Wattage

05 = 50 Watts
07 = 70 Watts
10 = 100 Watts
15 = 150 Watts
17 = 175 Watts
25 = 250 Watts
32 = 320 Watts
35 = 350 Watts
40 = 400 Watts

5) Ballast Circuit (High Power Factor)

C = Constant Wattage Autotransformer (CWA)
H = High Reactance or Reactor

6) Ballast Voltage

020 = 480 Volt with 120 Volt Tap†
030 = 120/277 Volt
040 = 120/208/240/277 Multi-Tap
120 = 120 Volt
480 = 480 Volt
340 = 347 Volt

7) Guard

G = Cast Guard
Omit "G" if Guard not required

8) Mounting Style

P2 = 3/4" Pendant
P3 = 1" Pendant
C2 = 3/4" Ceiling
C3 = 1" Ceiling
B2 = 3/4" Wall
B3 = 1" Wall
J2 = 3/4" Bulkhead
J3 = 1" Bulkhead
S4 = 1-1/4" Stanchion
S5 = 1-1/2" Stanchion

9) Special Options (Contact factory for prices)

PS = UL Listed fixture for paint spray areas. ✓
(Selected Wattages)
T = HAZCOTE™ Custom Corrosion Coating on all Aluminum Parts.

PST = UL Listed for paint spray areas and with HAZCOTE™.

10) UNIPAK® Options

D = UNIPAK with diffuse coated lamp
E = UNIPAK with clear lamp
(See page D217 for details)

† *For use with Auxiliary Quartz Circuit (Sylvania Lamp Cat. No. 100Q/CL/DC-120V 100 Watts D.C. bayonet base Qtz. T-4 lamps NOT furnished with fixture).*
★ ***Verify Hazlux Location Certification with your requirements on Hazlux Certification Guide General Information Page D8.***
✓ *Verify Paint Spray Listing on Certification Guide General Information Page D8.*
‡ *Contact Factory for CSA Certification.*

100W MH is PS listed.

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EXPLOSION-PROOF HID LIGHTING FIXTURES

High Pressure Sodium

Hazlux® 5

**Mogul Base
50 - 400 Watts**

(UL)

- UL 844
- Class I, Divison 1, Groups C, D*
- Class II, Division 1 & 2, Groups E, F, G*
- Suitable for Wet Locations
- UL 1598 Marine, NEMA 4X

MOUNTING STYLE	LAMP ♦ WATTS	CONDUIT SIZE (Inches)	VOLTAGE	CATALOG NUMBER WITH GUARD†	WT. EACH (Lbs.)
Mount Pendant	50	3/4	120/277	**XS005H030-G-P2**	42
		1	120/277	**XS005H030-G-P3**	
	70	3/4	120	**XS007H120-G-P2**	42
			MT	**XS007H040-G-P2**	
			480	**XS007H480-G-P2**	
	70	1	120	**XS007H120-G-P3**	42
			MT	**XS007H040-G-P3**	
			480	**XS007H480-G-P3**	
	100	3/4	120	**XS010H120-G-P2**	43
			MT	**XS010H040-G-P2**	
			480	**XS010H480-G-P2**	
	100	1	120	**XS010H120-G-P3**	43
			MT	**XS010H040-G-P3**	
			480	**XS010H480-G-P3**	
	150	3/4	120	**XS015H120-G-P2**	44
			MT	**XS015H040-G-P2**	
			480	**XS015H480-G-P2**	
	150	1	120	**XS015H120-G-P3**	44
			MT	**XS015H040-G-P3**	
			480	**XS015H480-G-P3**	
	250	3/4	120	**XS025C120-G-P2**	49
			MT	**XS025C040-G-P2**	
			480	**XS025C480-G-P2**	
	250	1	120	**XS025C120-G-P3**	49
			MT	**XS025C040-G-P3**	
			480	**XS025C480-G-P3**	
	400	3/4	120	**XS040C120-G-P2**	56
			MT	**XS040C040-G-P2**	
			480	**XS040C480-G-P2**	
	400	1	120	**XS040C120-G-P3**	56
			MT	**XS040C040-G-P3**	
			480	**XS040C480-G-P3**	
Ceiling Mount	50	3/4	120/277	**XS005H030-G-C2**	44
		1	120/277	**XS005H030-G-C3**	
	70	3/4	120	**XS007H120-G-C2**	44
			MT	**XS007H040-G-C2**	
			480	**XS007H480-G-C2**	
	70	1	120	**XS007H120-G-C3**	44
			MT	**XS007H040-G-C3**	
			480	**XS007H480-G-C3**	
	100	3/4	120	**XS010H120-G-C2**	45
			MT	**XS010H040-G-C2**	
			480	**XS010H480-G-C2**	
	100	1	120	**XS010H120-G-C3**	45
			MT	**XS010H040-G-C3**	
			480	**XS010H480-G-C3**	
	150	3/4	120	**XS015H120-G-C2**	46
			MT	**XS015H040-G-C2**	
			480	**XS015H480-G-C2**	
	150	1	120	**XS015H120-G-C3**	46
			MT	**XS015H040-G-C3**	
			480	**XS015H480-G-C3**	
	250	3/4	120	**XS025C120-G-C2**	51
			MT	**XS025C040-G-C2**	
			480	**XS025C480-G-C2**	
	250	1	120	**XS025C120-G-C3**	52
			MT	**XS025C040-G-C3**	
			480	**XS025C480-G-C3**	
	400	3/4	120	**XS040C120-G-C2**	58
			MT	**XS040C040-G-C2**	
			480	**XS040C480-G-C2**	
	400	1	120	**XS040C120-G-C3**	58
			MT	**XS040C040-G-C3**	
			480	**XS040C480-G-C3**	

♦ *All fixtures are designed for mogul base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).*
† *GUARD: If a guard is not required delete one "G" from the Catalog Number.*
■ *Multi-Tap Ballast 120/208/277/240/277 Volts.*
★ *Verify Hazardous Location Certifications with your requirements on Hazlux Certification Guide General Information Page D8.*

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EXPLOSION-PROOF HID LIGHTING FIXTURES

High Pressure Sodium

Hazlux® 5

**Mogul Base
50 - 400 Watts**

- UL 844
- Class I, Division 1, Groups C, D*
- Class II, Division 1 & 2, Groups E, F, G*
- Suitable for Wet Locations
- UL 1598 Marine, NEMA 4X

D

Hazlux®

MOUNTING STYLE	LAMP ♦ WATTS	CONDUIT SIZE (Inches)	VOLTAGE	CATALOG NUMBER WITH GUARD†	WT. EACH (Lbs.)
Wall or Bulkhead① Mount	50	3/4	120/277	XS005H030-G-B2	45
		1	120/277	XS005H030-G-B3	
	70	3/4	120	XS007H120-G-B2	45
			MT	XS007H040-G-B2	
			480	XS007H480-G-B2	
	70	1	120	XS007H120-G-B3	45
			MT	XS007H040-G-B3	
			480	XS007H480-G-B3	
	100	3/4	120	XS010H120-G-B2	46
			MT	XS010H040-G-B2	
			480	XS010H480-G-B2	
	100	1	120	XS010H120-G-B3	46
			MT	XS010H040-G-B3	
			480	XS010H480-G-B3	
	150	3/4	120	XS015H120-G-B2	47
			MT	XS015H040-G-B2	
			480	XS015H480-G-B2	
	150	1	120	XS015H120-G-B3	47
			MT	XS015H040-G-B3	
			480	XS015H480-G-B3	
	250	3/4	120	XS025C120-G-B2	52
			MT	XS025C040-G-B2	
			480	XS025C480-G-B2	
	250	1	120	XS025C120-G-B3	52
			MT	XS025C040-G-B3	
			480	XS025C480-G-B3	
	400	3/4	120	XS040C120-G-B2	59
			MT	XS040C040-G-B2	
			480	XS040C480-G-B2	
	400	1	120	XS040C120-G-B3	59
			MT	XS040C040-G-B3	
			480	XS040C480-G-B3	
Stanchion Mount	50	1-1/4	120/277	XS005H030-G-S4	44
		1-1/2	120/277	XS005H030-G-S5	
	70	1-1/4	120	XS007H120-G-S4	44
			MT	XS007H040-G-S5	
			480	XS007H480-G-S4	
	70	1-1/2	120	XS007H120-G-S5	44
			MT	XS007H040-G-S4	
			480	XS007H480-G-S5	
	100	1-1/4	120	XS010H120-G-S4	45
			MT	XS010H040-G-S5	
			480	XS010H480-G-S4	
	100	1-1/2	120	XS010H120-G-S5	45
			MT	XS010H040-G-S4	
			480	XS010H480-G-S5	
	150	1-1/4	120	XS015H120-G-S4	46
			MT	XS015H040-G-S5	
			480	XS015H480-G-S4	
	150	1-1/2	120	XS015H120-G-S5	46
			MT	XS015H040-G-S4	
			480	XS015H480-G-S5	
	250	1-1/4	120	XS025C120-G-S4	51
			MT	XS025C040-G-S5	
			480	XS025C480-G-S4	
	250	1-1/2	120	XS025C120-G-S5	51
			MT	XS025C040-G-S4	
			480	XS025C480-G-S5	
	400	1-1/4	120	XS040C120-G-S4	58
			MT	XS040C040-G-S5	
			480	XS040C480-G-S4	
	400	1-1/2	120	XS040C120-G-S5	58
			MT	XS040C040-G-S4	
			480	XS040C480-G-S5	

♦ *All fixtures are designed for mogul base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).*
† *GUARD: If a guard is not required delete one "G" from the Catalog Number.*
■ *Multi-Tap Ballast 120/208/277/240/277 Volts.*
★ ***Verify Hazardous Location Certifications with your requirements on Hazlux Certification Guide General Information Page D8.***
① *For Bulkhead Mount, change "B2" or "B3" to "J2" or "J3". Example: XS010H040-G-J2.*

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EXPLOSION-PROOF HID LIGHTIN FIXTURES

Mercury Vapor

Hazlux® 5

**Mogul Base
100 - 400 Watts**

(UL)

- UL 844
- Class I, Divison 1, Groups C, D*
- Class II, Division 1 & 2, Groups E, F, G*
- Suitable for Wet Locations
- UL 1598 Marine, NEMA 4X

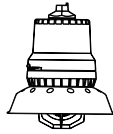| MOUNTING STYLE	LAMP ♦ WATTS	CONDUIT SIZE (Inches)	VOLTAGE	CATALOG NUMBER WITH GUARD†	WT. EACH (Lbs.)
Pendant Mount	100	3/4	MT	**XM010C040-G-P2**	42
			480	**XM010C480-G-P2**	
	100	1	MT	**XM010C040-G-P3**	42
			480	**XM010C480-G-P3**	
	175	3/4	MT	**XM017C040-G-P2**	43
			480	**XM017C480-G-P2**	
	175	1	MT	**XM017C040-G-P3**	43
			480	**XM017C480-G-P3**	
	250	3/4	MT	**XM025C040-G-P2**	44
			480	**XM025C480-G-P2**	
	250	1	MT	**XM025C040-G-P3**	44
			480	**XM025C480-G-P3**	
	400	3/4	MT	**XM040C040-G-P2**	48
			480	**XM040C480-G-P2**	
	400	1	MT	**XM040C040-G-P3**	48
			480	**XM040C480-G-P3**	
Ceiling Mount	100	3/4	MT	**XM010C040-G-C2**	44
			480	**XM010C480-G-C2**	
	100	1	MT	**XM010C040-G-C3**	44
			480	**XM010C480-G-C3**	
	175	3/4	MT	**XM017C040-G-C2**	45
			480	**XM017C480-G-C2**	
	175	1	MT	**XM017C040-G-C3**	45
			480	**XM017C480-G-C3**	
	250	3/4	MT	**XM025C040-G-C2**	46
			480	**XM025C480-G-C2**	
	250	1	MT	**XM025C040-G-C3**	46
			480	**XM025C480-G-C3**	
	400	3/4	MT	**XM040C040-G-C2**	50
			480	**XM040C480-G-C2**	
	400	1	MT	**XM040C040-G-C3**	50
			480	**XM040C480-G-C3**	

♦ *All fixtures are designed for mogul base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).*
† *GUARD: If a guard is not required delete one "G" from the Catalog Number.*
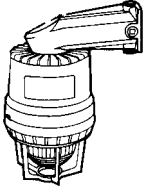■ *Multi-Tap Ballast 120/208/277/240/277 Volts.*
★ *Verify Hazardous Location Certifications with your requirements on Hazlux Certification Guide General Information Page D8.*

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EXPLOSION-PROOF HID LIGHTING FIXTURES

Mercury Vapor

Hazlux® 5

**Mogul Base
100 - 400 Watts**

(UL)

• UL 844
• Class I, Divison 1, Groups C, D*
• Class II, Division 1 & 2, Groups E, F, G*
• Suitable for Wet Locations
• UL 1598 Marine, NEMA 4X

MOUNTING STYLE	LAMP♦ WATTS	CONDUIT SIZE (Inches)	VOLTAGE	CATALOG NUMBER WITH GUARD†	WT. EACH (Lbs.)
Wall or Bulkhead① Mount	100	3/4	MT 480	**XM010C040-G-B2** **XM010C480-G-B2**	45
	100	1	MT 480	**XM010C040-G-B3** **XM010C480-G-B3**	45
	175	3/4	MT 480	**XM017C040-G-B2** **XM017C480-G-B2**	46
	175	1	MT 480	**XM017C040-G-B3** **XM017C480-G-B3**	46
	250	3/4	MT 480	**XM025C040-G-B2** **XM025C480-G-B2**	47
	250	1	MT 480	**XM025C040-G-B3** **XM025C480-G-B3**	47
	400	3/4	MT 480	**XM040C040-G-B2** **XM040C480-G-B2**	51
	400	1	MT 480	**XM040C040-G-B3** **XM040C480-G-B3**	51
Stanchion Mount	100	1-1/4	MT 480	**XM010C040-G-S4** **XM010C480-G-S4**	44
	100	1-1/2	MT 480	**XM010C040-G-S5** **XM010C480-G-S5**	44
	175	1-1/4	MT 480	**XM017C040-G-S4** **XM017C480-G-S4**	45
	175	1-1/2	MT 480	**XM017C040-G-S5** **XM017C480-G-S5**	45
	250	1-1/4	MT 480	**XM025C040-G-S4** **XM025C480-G-S4**	46
	250	1-1/2	MT 480	**XM025C040-G-S5** **XM025C480-G-S5**	46
	400	1-1/4	MT 480	**XM040C040-G-S4** **XM040C480-G-S4**	50
	400	1-1/2	MT 480	**XM040C040-G-S5** **XM040C480-G-S5**	50

♦ *All fixtures are designed for mogul base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).*
† *GUARD: If a guard is not required delete one "G" from the Catalog Number.*
■ *Multi-Tap Ballast 120/208/240/277 Volts.*
★ *Verify Hazardous Location Certifications with your requirements on Hazlux Certification Guide General Information Page D8.*
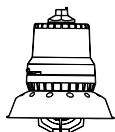① *For Bulkhead Mount, change "B2" or "B3" to "J2" or "J3". Example: XM017040-G-J2.*

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EXPLOSION-PROOF HID LIGHTING FIXTURES
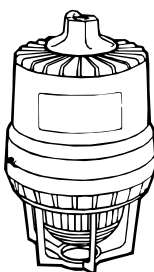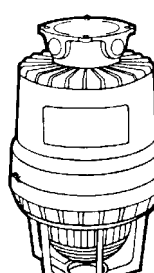
Metal Halide

Hazlux® 5
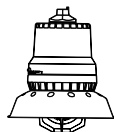
**Mogul Base
175 - 400 Watts**

(UL)

- UL 844
- Class I, Divison 1, Groups C, D*
- Class II, Division 1 & 2, Groups E, F, G*
- Suitable for Wet Locations
- UL 1598 Marine, NEMA 4X

D

Hazlux®

MOUNTING STYLE	LAMP ♦ WATTS	CONDUIT SIZE (Inches)	VOLTAGE	CATALOG NUMBER WITH GUARD†	WT. EACH (Lbs.)
Pendant Mount	175	3/4	MT 480	**XH017C040-G-P2** **XH017C480-G-P2**	45
	175	1	MT 480	**XH017C040-G-P3** **XH017C480-G-P3**	45
	250	3/4	MT 480	**XH025C040-G-P2** **XH025C480-G-P2**	48
	250	1	MT 480	**XH025C040-G-P3** **XH025C480-G-P3**	48
	400	3/4	MT 480	**XH040C040-G-P2** **XH040C480-G-P2**	53
	400	1	MT 480	**XH040C040-G-P3** **XH040C480-G-P3**	53
Ceiling Mount	175	3/4	MT 480	**XH017C040-G-C2** **XH017C480-G-C2**	47
	175	1	MT 480	**XH017C040-G-C3** **XH017C480-G-C3**	47
	250	3/4	MT 480	**XH025C040-G-C2** **XH025C480-G-C2**	50
	250	1	MT 480	**XH025C040-G-C3** **XH025C480-G-C3**	50
	400	3/4	MT 480	**XH040C040-G-C2** **XH040C480-G-C2**	55
	400	1	MT 480	**XH040C040-G-C3** **XH040C480-G-C3**	55
Wall or Bulkhead① Mount	175	3/4	MT 480	**XH017C040-G-B2** **XH017C480-G-B2**	48
	175	1	MT 480	**XH017C040-G-B3** **XH017C480-G-B3**	48
	250	3/4	MT 480	**XH025C040-G-B2** **XH025C480-G-B2**	51
	250	1	MT 480	**XH025C040-G-B3** **XH025C480-G-B3**	51
	400	3/4	MT 480	**XH040C040-G-B2** **XH040C480-G-B2**	56
	400	1	MT 480	**XH040C040-G-B3** **XH040C480-G-B3**	56
Stanchion Mount	175	1-1/4	MT 480	**XH017C040-G-S4** **XH017C480-G-S5**	47
	175	1-1/2	MT 480	**XH017C040-G-S4** **XH017C480-G-S5**	47
	250	1-1/4	MT 480	**XH025C040-G-S4** **XH025C480-G-S5**	50
	250	1-1/2	MT 480	**XH025C040-G-S4** **XH025C480-G-S5**	50
	400	1-1/4	MT 480	**XH040C040-G-S4** **XH040C480-G-S5**	55
	400	1-1/2	MT 480	**XH040C040-G-S4** **XH040C480-G-S5**	55
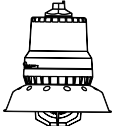
♦ *All fixtures are designed for mogul base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).*
† *GUARD: If a guard is not required delete one "G" from the Catalog Number.*
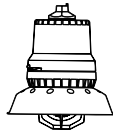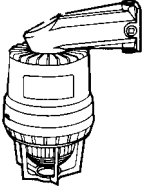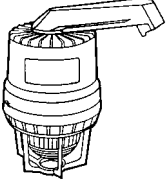■ *Multi-Tap Ballast 120/208/240/277 Volts.*
★ *Verify Hazardous Location Certifications with your requirements on Hazlux Certification Guide General Information Page D8.*
① *For Bulkhead Mount, change "B2" or "B3" to "J2" or "J3." Example: XH025C040-G-B2.*

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ACCESSORIES AND FIXTURE COMPONENTS	*Hazlux® 5*	ⓊL	• UL 844 • Class I, Divison 1, Groups C, D* • Class II, Division 1 & 2, Groups E, F, G* • Suitable for Wet Locations • UL 1598 Marine, NEMA 4X
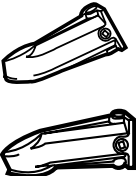
GUARDS

	CATALOG NUMBER	DESCRIPTION	WT. EA. (LBS.)
	• XGU44 • VGU31①		1 2

REPLACEMENT GLOBE ASSEMBLIES

	CATALOG NUMBER	DESCRIPTION	WT. EA. (LBS.)
	XGSA44	Hazlux 5 replacement globe assembly. 250 MH/MV 150 HPS.	17
	XGSA44A	Hazlux 5 replacement globe assembly. 400 watts and 250 HPS.	20

OUTLET BOXES — Designed for all Hazlux 5 or Hazlite M5 Ballast Housings.

MOUNTING STYLE	CATALOG NUMBER	CONDUIT HUB SIZE	WT. EA. (LBS.)
Pendant Mount	XP2 XP3	3/4" 1"	2 2
Stanchion Mount	XS4 XS5	1-1/4" 1-1/2"	4 4

MOUNTING STYLE	CATALOG NUMBER	CONDUIT HUB SIZE	WT. EA. (LBS.)
Ceiling Mount	XC2 XC3	3/4" 1"	4 4
Wall/Bulkhead Mounts Wall	XB2 XB3	3/4" 1"	5 5
Bulkhead	XJ2 XJ3	3/4" 1"	5 5

Outlet Boxes included Female Electrical connectors and appropriate Close-Up Plugs.
① *Used on all 400 watt fixtures and 250 watt H.P.S. fixtures.*
★ *Verify Hazardous Location Certification with your requirements on Hazlux Certification Guide General Information Page D8.*
• *Factory Stock.*

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FLOODLIGHTS
High Pressure Sodium Mercury Vapor Metal Halide
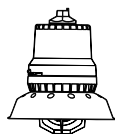
Hazlux®5

50 - 400 WATTS

- UL844
- Class I, Division 1 & 2, Groups C, D
- Class I, Division 2, Groups A, B, C & D
- Suitable for Wet Locations
- NEMA 4X
- UL 1598

HAZLUX®5 FLOODLIGHT (Trunnion Mount) Class I, Division 1①

LAMP TYPE/ WATTS	CATALOG NUMBER Includes: Fixture — Trunnoin — 3/4" Conduit Outlet
High Pressure Sodium	**G-P2TRE**
50	**XS005H030**
70	**XS007H040-G-P2TRE**
100	**XS010H040-G-P2-TR**
150	**XS015H040-G-P2TRE**
250	**XS025C040-G-P2TRE**
400	**XS040C040-G-P2TRE**
Metal Halide	
175	**XH017C040-G-P2TRE**
250	**XH025C040-G-P2TRE**
	XH040C040-G-P2TRE
	XM010C040-G-P2TRE
	XM017C040-G-P2TRE
	XM025C040-G-P2TRE
	XM040C040-G-P2TRE

NOTE: Fixture shown with Dome Reflector and Guard. These are not included in the Catalog Numbers above. See "Accessories" below.
① *Contact factory for T-Ratings.*

HAZLUX®5 FLOODLIGHT ACCESSORIES

ACCESSORIES	CATALOG NUMBER
Angle Reflector	**VRA31**
Dome Reflector	**VR31**
Cast Guard	**XGU44 (50-150 H.P.S., 175/250 M.H. or 100-250 M.V.)**
Cast Guard	**VGU 31 (250/400 H.P.S., 400 M.V. or 400 M.H.)**

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Hazlux®5
Dimensional Drawings

8-5/8
(219)

8-5/8
(210)

17-1/4
(438)

8-5/8
(219)

**Pendant Mount
with globe and guard**

**Wall Mount
with globe and guard**
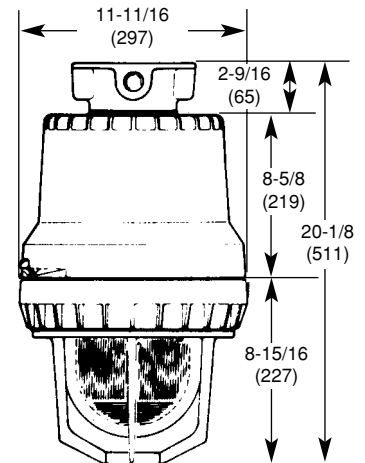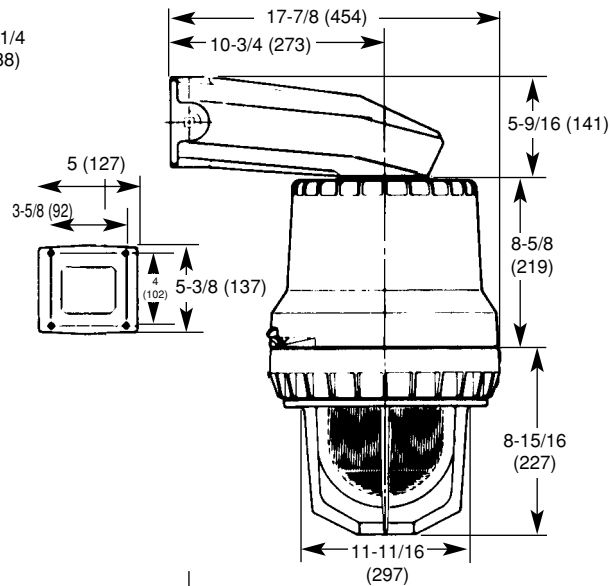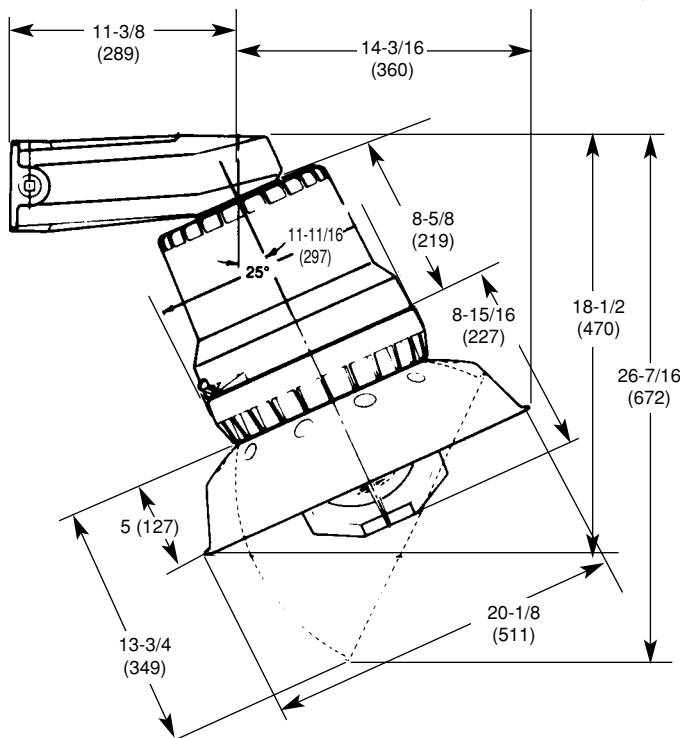
17-7/8 (454)

10-3/4 (273)

5 (127)

3-5/8 (92)

4
(102)

5-3/8 (137)

5-9/16 (141)

8-5/8
(219)

8-15/16
(227)

11-11/16
(297)

11-11/16
(297)

2-9/16
(65)

8-5/8
(219)

20-1/8
(511)

8-15/16
(227)

**Ceiling Mount
with globe and guard**

11-3/8
(289)

14-3/16
(360)

11-11/16
(297)

25°

8-5/8
(219)

8-15/16
(227)

18-1/2
(470)

26-7/16
(672)

5 (127)

13-3/4
(349)

20-1/8
(511)

**Bulkhead Mount
with globe, guard and reflector**

20-19/32 (523)

10-1/2 (267)

9-1/2 (241)

1-7/8 (48)

11-11/16
(297)

8-5/8
(219)

18-3/32
(460)

26-29/32
(683)

5(127)

8-15/16
(227)

13-3/4
(349)

18-1/8 (460)

20-1/8 (511)
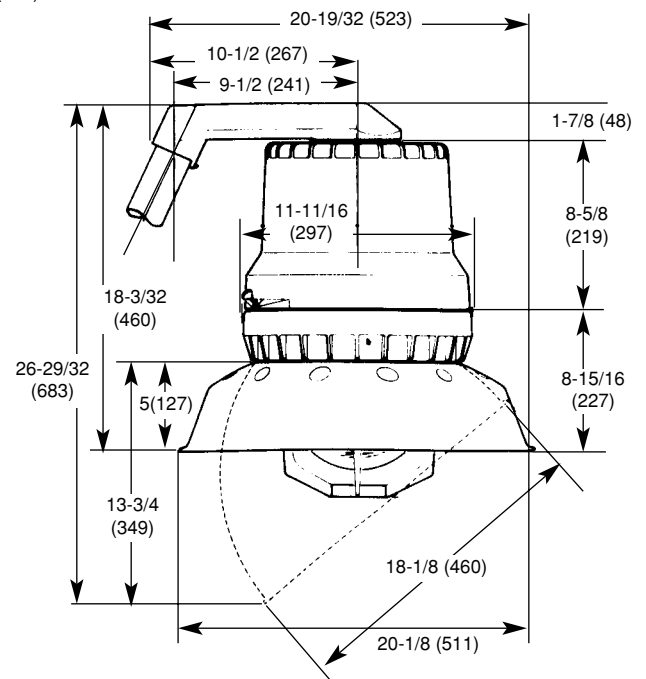
**Stanchion Mount
with globe, guard and reflector**

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Hazlux®5
Dimensional Drawings
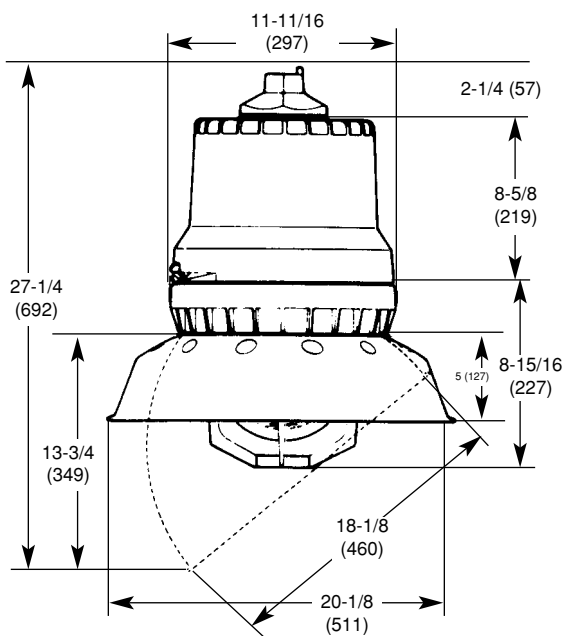
**Pendant Mount
with globe, guard and reflector**
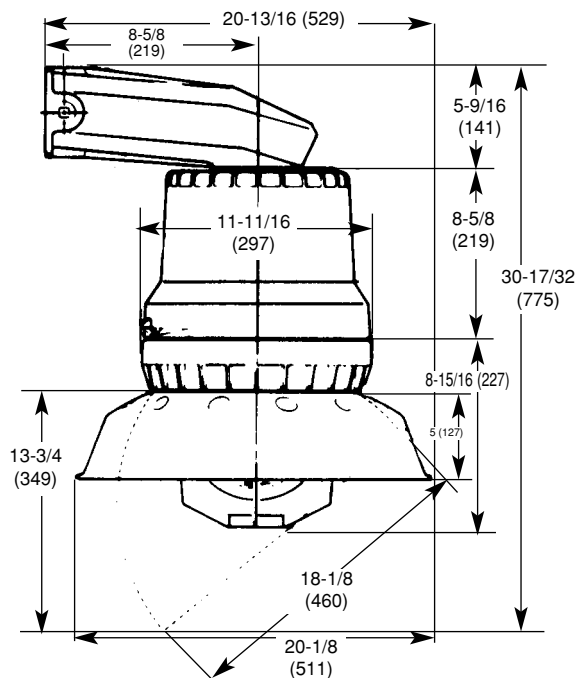
**Wall Mount
with globe, guard and reflector**
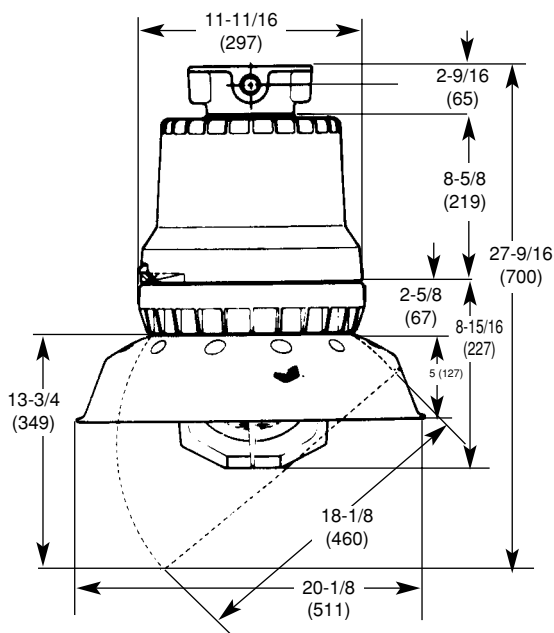
**Ceiling Mount
with globe, guard and reflector**

**Bulkhead Mount
with globe and guard**

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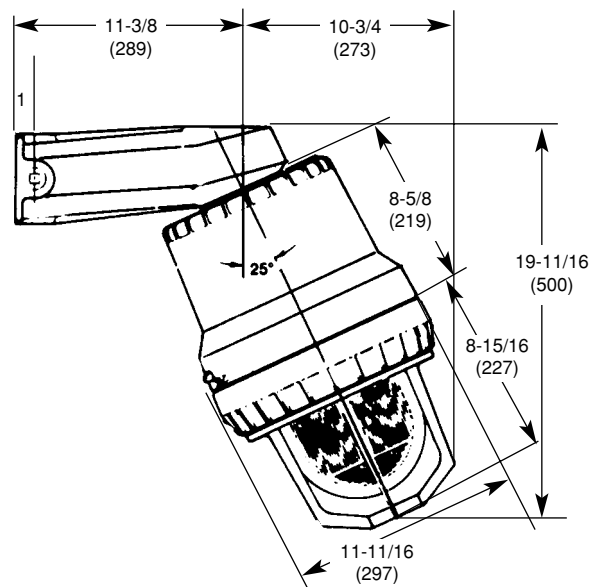
Hazlux®5 (400 Series)
Dimensional Drawings

11-11/16 (297)
2-1/4 (57)
8-5/8 (219)
25-3/8 (645)
14-1/2 (368)

**Pendant Mount
with globe and guard**

10-1/2 (267)   20-19/32 (523)
9-1/2 (241)
1-7/8 (48)
8-5/8 (219)
8-5/8 (219)
26-29/32 (683)
25°
18-3/32 (460)
25 (635)
14-1/2 (368)
5 (127)
13-3/4 (349)
18-1/8 (460)
20-1/8 (511)

**Stanchion Mount
with globe, guard and reflector**

20-13/16 (529)
10-3/4 (273)
1
5-9/16 (141)
8-5/8
8-5/8 (219)
13-3/4 (349)
5 (127)
30-17/32 (775)
18-1/8 (460)
14-1/2 (368)
20-1/8 (511)

**Wall Mount
with globe, guard and reflector**

11-11/16 (297)
2-9/16 (65)
8-5/8 (219)
27-9/16 (700)
2-5/8 (67)
5 (127)
13-3/4 (349)
18-1/8 (460)
14-1/2 (368)
20-1/8 (511)

**Ceiling Mount
with globe, guard and reflector**

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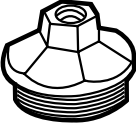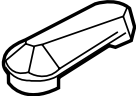| EXPLOSION-PROOF HID LIGHTING FIXTURES **Catalog Numbering System** | *Hazlite™ M5*

 9 - 150 Watts | (UL) | • UL 844
 • Class I, Division 1 & 2, Groups C, D*
 • Class II, Division 1 & 2, Groups E, F, G*
 • Suitable for Wet Locations
 • NEMA 4X
 • UL 1598 Marine |

D

Hazlux®

Catalog Numbering System

X S M 03 P 120 - G - C2 T E
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩
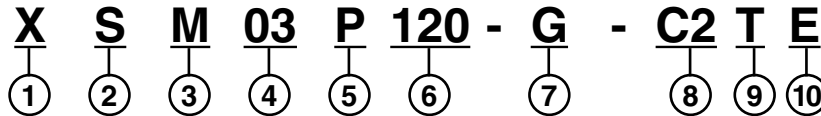
1) Fixture Suitability
X = Hazardous Location (Explosion Proof)
Class I, Division 1, Groups C, D*
Class I, Division 2, Groups A, B, C, & D*
Class II, Division 1 & 2, Groups E, F, G*
Class III, Division 1 & 2
Marine (UL1598)
NEMA 4X

2) Lamp Type
S = High Pressure Sodium
M = Mercury Vapor

3) Lampholder Type
M = Medium Base Lampholder

4) Lamp Wattage
03 = 35 Watts (H.P.S.)
05 = 50 Watts (H.P.S.-M.V.)
07 = 70 Watts (H.P.S.)
75 = 75 Watts (M.V.)
10 = 100 Watts (H.P.S. - M.V)
15 = 150 Watts (H.P.S.)
(Note: All HID lamps are medium base.)

5) Ballast Circuit
C = Constant Wattage Autotransformer (CWA)
P = Reactor Type (HPF) (H.P.S. Only)

6) Ballast Voltage
120 = 120 Volts
480 = 480 Volts (Mercury Vapor Only)
200 = 208 Volts (Mercury Vapor Only)
240 = 240 Volts (Mercury Vapor Only)
270 = 277 Volts (Mercury Vapor Only)

7) Guard
G = Cast Guard (Omit "G" if guard is not required)

8) Mounting Style
P2 = 3/4" Rigid Pendant
P3 = 1" Rigid Pendant
C2 = 3/4" Ceiling
C3 = 1" Ceiling
B2 = 3/4" Wall
B3 = 1" Wall
J2 = 3/4" Bulkhead
J3 = 1-1/2" Bulkhead
S4 = 1-1/4" Stanchion
S5 = 1-1/2" Stanchion

9) Special Options
PS = UL listed fixture for paint spray areas.
T = HAZCOTE™ Custom Corrosion Coating on all Aluminum Parts
PST = UL Listed for paint spray areas and with HAZCOTE™.

10) UNIPAK® Options
D = Unipak with diffuse coated lamp
**E** = Unipak with clear lamp

★ *Verify Hazardous Location Certification with your requirements on Hazlux Certification Guide General Information Page D9.*

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EXPLOSION-PROOF HID LIGHTING FIXTURES
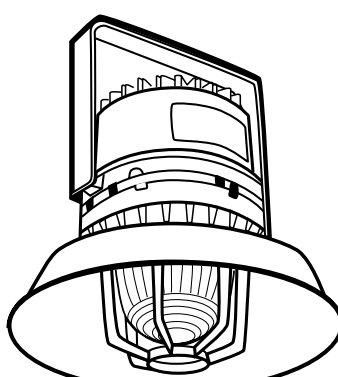## High Pressure Sodium

Hazlite™ M5

35 - 150 Watts

(UL)
- UL844
- Class I, Division 1 & 2, Groups C, D
- Class II, Division 1 & 2, Groups E, F, G
- Suitable for Wet Locations
- UL 595 Marine, NEMA 4X

D

Hazlux®

MOUNTING STYLE	LAMP◆ WATTS	CONDUIT SIZE (Inches)	VOLTAGE	CATALOG NUMBER WITH GUARD†	WEIGHT EACH (Lbs.)
Pendant Mount	35	3/4	120	**XSM35P120-G-P2U**	19.3
	35	1	120	**XSM35P120-G-P3U**	19.3
	50	3/4	120	**XSM50P120-G-P2U**	19.8
	50	1	120	**XSM50P120-G-P3U**	19.8
	70	3/4	120	**XSM70P120-G-P2U**	20.0
	70	1	120	**XSM70P120-G-P3U**	20.0
	100	3/4	120	**XSM10P120-G-P2U**	20.5
	100	1	120	**XSM10P120-G-P3U**	20.5
	150	3/4	120	**XSM15P120-G-P2U**	21.5
	150	1	120	**XSM15P120-G-P3U**	21.5
Ceiling Mount	35	3/4	120	**XSM35P120-G-C2U**	21.3
	35	1	120	**XSM35P120-G-C3U**	21.3
	50	3/4	120	**XSM50P120-G-C2U**	21.8
	50	1	120	**XSM50P120-G-C3U**	21.8
	70	3/4	120	**XSM70P120-G-C2U**	22.0
	70	1	120	**XSM70P120-G-C3U**	22.0
	100	3/4	120	**XSM10P120-G-C2U**	22.5
	100	1	120	**XSM10P120-G-C3U**	22.5
	150	3/4	120	**XSM15P120-G-C2U**	23.5
	150	1	120	**XSM15P120-G-C3U**	23.5
Wall Mount	35	3/4	120	**XSM35P120-G-B2U**	22.3
	35	1	120	**XSM35P120-G-B3U**	22.3
	50	3/4	120	**XSM50P120-G-B2U**	22.8
	50	1	120	**XSM50P120-G-B3U**	22.8
	70	3/4	120	**XSM70P120-G-B2U**	23.0
	70	1	120	**XSM70P120-G-B3U**	23.0
	100	3/4	120	**XSM10P120-G-B2U**	23.5
	100	1	120	**XSM10P120-G-B3U**	23.5
	150	3/4	120	**XSM15P120-G-B2U**	24.5
	150	1	120	**XSM15P120-G-B3U**	24.5
Bulkhead Mount	35	3/4	120	**XSM35P120-G-J2U**	22.3
	35	1	120	**XSM35P120-G-J3U**	22.3
	50	3/4	120	**XSM50P120-G-J2U**	22.8
	50	1	120	**XSM50P120-G-J3U**	22.8
	70	3/4	120	**XSM70P120-G-J2U**	23.0
	70	1	120	**XSM70P120-G-J3U**	23.0
	100	3/4	120	**XSM10P120-G-J2U**	23.5
	100	1	120	**XSM10P120-G-J3U**	23.5
	150	3/4	120	**XSM15P120-G-J2U**	24.5
	150	1	120	**XSM15P120-G-J3U**	24.5
Stanchion Mount	35	1-1/4	120	**XSM35P120-G-S4U**	21.3
	35	1-1/2	120	**XSM35P120-G-S5U**	21.3
	50	1-1/4	120	**XSM50P120-G-S4U**	21.8
	50	1-1/2	120	**XSM50P120-G-S5U**	21.8
	70	1-1/4	120	**XSM70P120-G-S4U**	22.0
	70	1-1/2	120	**XSM70P120-G-S5U**	22.0
	100	1-1/4	120	**XSM10P120-G-S4U**	22.5
	100	1-1/2	120	**XSM10P120-G-S5U**	22.5
	150	1-1/4	120	**XSM15P120-G-S4U**	23.5
	150	1-1/2	120	**XSM15P120-G-S5U**	23.5

◆ *All fixtures are designed for medium base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).*
† *GUARD: If a guard is not required delete one "G" from the Catalog Number.*
★ *Verify Hazardous Location Certification with your requirements on Hazlux Certification Guide General Information Page D9.*

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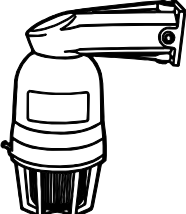
EXPLOSION-PROOF HID LIGHTING FIXTURES
Mercury Vapor

Hazlite™ M5
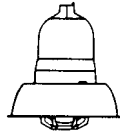
**Medium Base
50 - 100 Watts**

(UL)

• UL 844
• Class I, Division 1, Groups C, D
• Class II, Division 1 & 2, Groups E, F, G
• Suitable for Wet Locations
• UL 595 Marine, NEMA 4X

MOUNTING STYLE	LAMP◆ WATTS	CONDUIT SIZE (Inches)	VOLTAGE	CATALOG NUMBER WITH GUARD†	WEIGHT EACH (Lbs.)
Pendant Mount	50	3/4	120	**XMM05C120-G-P2U**	20.5
	50	1	120	**XMM05C120-G-P3U**	20.5
	75	3/4	120	**XMM75C120-G-P2U**	21.3
	75	1	120	**XMM75C120-G-P3U**	21.3
	100	3/4	120	**XMM10C120-G-P2U**	21.5
	100	1	120	**XMM10C120-G-P3U**	21.5
Ceiling Mount	50	3/4	120	**XMM05C120-G-C2U**	22.5
	50	1	120	**XMM05C120-G-C3U**	22.5
	75	3/4	120	**XMM75C120-G-C2U**	23.3
	75	1	120	**XMM75C120-G-C3U**	23.3
	100	3/4	120	**XMM10C120-G-C2U**	23.5
	100	1	120	**XMM10C120-G-C3U**	23.5
Wall Mount	50	3/4	120	**XMM05C120-G-B2U**	23.5
	50	1	120	**XMM05C120-G-B3U**	23.5
	75	3/4	120	**XMM75C120-G-B2U**	24.3
	75	1	120	**XMM75C120-G-B3U**	24.3
	100	3/4	120	**XMM10C120-G-B2U**	24.5
	100	1	120	**XMM10C120-G-B3U**	24.5
Bulkhead Mount	50	3/4	120	**XMM05C120-G-J2U**	23.5
	50	1	120	**XMM05C120-G-J3U**	23.5
	75	3/4	120	**XMM75C120-G-J2U**	24.3
	75	1	120	**XMM75C120-G-J3U**	24.3
	100	3/4	120	**XMM10C120-G-J2U**	24.5
	100	1	120	**XMM10C120-G-J3U**	24.5
Stanchion Mount	50	1-1/4	120	**XMM05C120-G-S4U**	22.5
	50	1-1/2	120	**XMM05C120-G-S5U**	22.5
	75	1-1/4	120	**XMM75C120-G-S4U**	23.3
	75	1-1/2	120	**XMM75C120-G-S5U**	23.3
	100	1-1/4	120	**XMM10C120-G-S4U**	23.5
	100	1-1/2	120	**XMM10C120-G-S5U**	23.5

◆ *All fixtures are designed for medium base lamps, with the lamp mounted in the base-up position (lamps are NOT furnished with fixture).*
† *GUARD: If a guard is not required delete one "G" from the Catalog Number.*
★ *Verify Hazardous Location Certification with your requirements on Hazlux Certification Guide General Information Page D9.*

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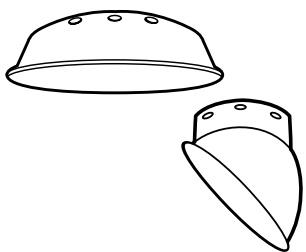
EXPLOSION-PROOF HID LIGHTING FIXTURES
Replacement Parts and Accessories

Hazlite™ M5
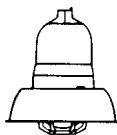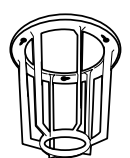
(UL)
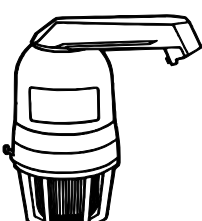
• UL 844
• Class I, Divison 1, Groups C, D
• Class II, Division 1 & 2, Groups E, F, G
• Suitable for Wet Locations
• UL 595 Marine, NEMA 4X

REFLECTORS

CATALOG NUMBER	DESCRIPTION	STD. PKG.	WT. EA. (LBS.)
• VR15P	Standard Dome Fiberglass Reinforced Polyester	5	2.4
• VRA15P	30° Angle Reflector, Fiberglass Reinforced Polyester	5	2.3

GUARD

CATALOG NUMBER	DESCRIPTION	STD. PKG.	WT. EA. (LBS.)
• XGU15	Cast Aluminum, Powder Finish	10	.7

REPLACEMENT GLOBE ASSEMBLIES

CATALOG NUMBER	DESCRIPTION	WT. EA. (LBS.)
XGSA15	Hazlite M5 replacement globe assembly. 35-150 watts	12

OUTLET BOXES — Designed for all Hazlux 5 or Hazlite M5 Ballast Housings.

MOUNTING STYLE	CATALOG NUMBER	CONDUIT HUB SIZE	WT. EA. (LBS.)	STD. PKG.
Pendant Mount	XP2	3/4"	2	1
	XP3	1"	2	1
Stanchion Mount	XS4	1-1/4"	4	1
	XS5	1-1/2"	4	1

MOUNTING STYLE	CATALOG NUMBER	CONDUIT HUB SIZE	WT. EA. (LBS.)	STD. PKG.
Ceiling Mount	XC2	3/4"	4	1
	XC3	1"	4	1
Wall/Bulkhead Mounts	**Wall**			
	XB2	3/4"	5	1
	XB3	1"	5	1
Bulkhead				
	XJ2	3/4"	5	1
	XJ3	1"	5	1

Outlet Boxes include Female Electrical connectors and appropriate Close-Up Plugs.

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Hazlite™ M5
Dimensional Drawings
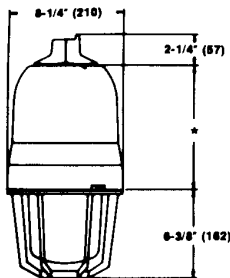
**RIGID PENDANT
GLOBE/GUARD**

FOUR 3/8" (9, 5) DIA.
HOLES ON A 6" (152) DIA. B.C.
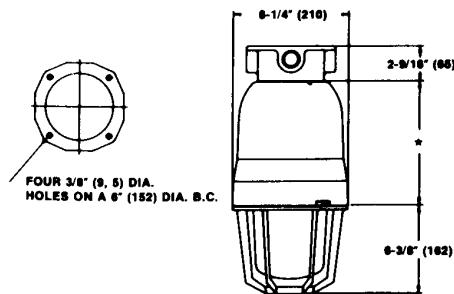
**CEILING MOUNT
GLOBE/GUARD**
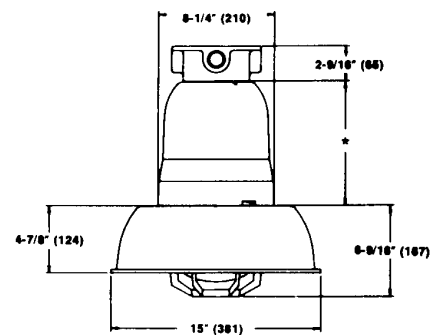
**CEILING MOUNT
GLOBE/GUARD WITH
DOME REFLECTOR**
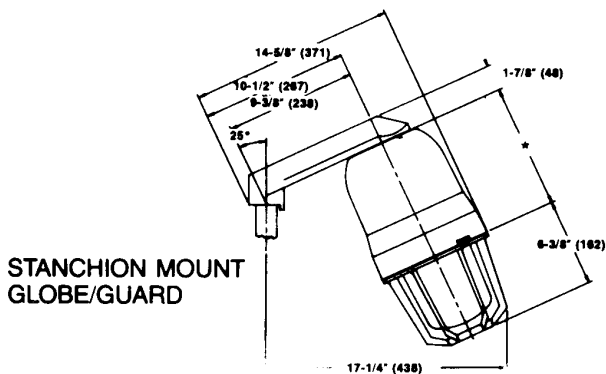
**STANCHION MOUNT
GLOBE/GUARD**
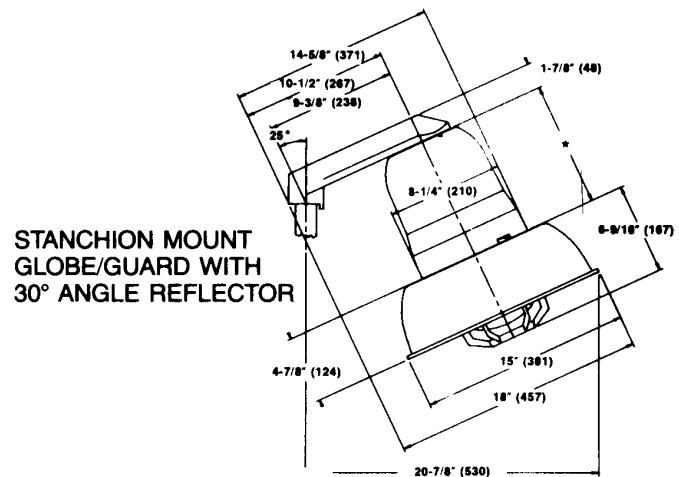
**STANCHION MOUNT
GLOBE/GUARD WITH
30° ANGLE REFLECTOR**
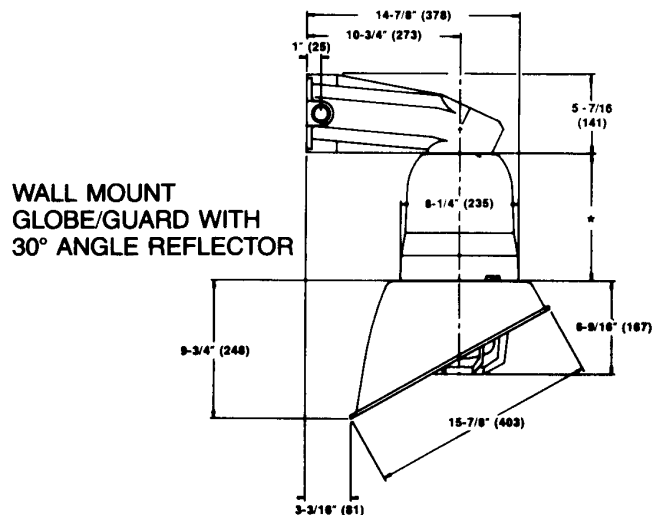
**WALL MOUNT
GLOBE/GUARD WITH
30° ANGLE REFLECTOR**

*TANK DIM: HPS & MV 9"
        INCD & FLUOR 5-11/16"

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Hazlux®

EMERGENCY LIGHTING and STROBE LIGHTS for HAZARDOUS, WET, and MARINE LOCATIONS

CONTENTS	PAGE

Check individual product listings for specific suitabilities.

Thomas&Betts

| **FLUORESCENT EMERGENCY LIGHTING SYSTEMS**

Catalog Numbering System | *HazBatt™ H2* | (UL) | • UL 844, UL 924, UL 1598
• Class I, Division 2, Groups A, B, C, D
• Class II, Division 1, Groups F, G
• Enclosed and Gasketed, Wet Locations
• Marine - Inside Dripproof |

D

Hazlux®

Catalog Numbering System

DFE 26 PB 12 V - A2 D Z
(1)   (2)   (3)   (4) (5)   (6) (7) (8)

1) HazBatt Type/Suitability
- **VFE** = HazBatt H2 Emergency Lighting System
- **DFE** = HazBatt H3 Emergency Lighting System

2) Total Lamp Watts
- **26** = 2 - 13 Watt Fluorescent Lamps

3) Battery Ballast Circuit
- **B** = Emergency Operation HazBatt: Two Emergency Ballasts Only
- **PB** = Continuous Operation HazBatt: Two Emergency Ballasts plus Two AC Ballasts (120 volt only)

4) Voltage
- **03** = 120/277 VAC Dual Primary (Emergency Operation Only)
- **12** = 120 VAC Primary (Emergency or Continous Operation)
- **27** = 277 VAC Primary (Emergency Operation Only)

5) Specific Hazardous Suitability
- **V** = Class I, Division 2, Groups A, B, C, D
- **D** = Class II, Division 1, Groups F, G, Class III

6) Mounting Style
- **A2** = 3/4" Cone Pendant
- **A3** = 1" Cone Pendant
- **B2** = 3/4" Wall
- **B3** = 1" Wall
- **C2** = 3/4" Ceiling
- **C3** = 1" Ceiling
- **L4** = 1-1/4" 90° Stanchion
- **L5** = 1-1/2" 90° Stanchion
- **P2** = 3/4" Rigid Pendant
- **P3** = 1" Rigid Pendant
- **S4** = 1-1/4" 25° Stanchion
- **S5** = 1-1/2" 25° Stanchion

7) Packaging
- **D** = UNIPAK® Packaging with Lamps (Standard)

8) Options
- **Z** = Shipped with Explosionproof Test Switch Station (Single Button)
- **7** = Shipped with VRE22 Exit Sign (Not UL Listed)

Contact the factory for other available voltages.
Glass Globe and Polymeric Guard are Standard.

Thomas&Betts

Fluorescent Emergency Lighting Systems **WET LOCATIONS**	*HazBatt™ H2*	UL	• UL 924, UL 1598 • Enclosed and Gasketed, Wet Locations • Marine - Inside Dripproof

D

Hazlux®

MOUNTING STYLE	SIZE (Inches)	HAZBATT™ H2 WITH GLOBE, GUARD		HAZBATT™ H2 WITH EXIT SIGN	
		Continuous Operation (120 VAC)‡	Emergency Use Only (120/277 VAC)	Continuous Operation (120 VAC)‡	Emergency Use Only (120/277 VAC)
Rigid Pendant	3/4 1	VFE26PB120-P2 VFE26PB120-P3	VFE26B030-P2 VFE26B030-P3	VFE26PB120-P2D7 VFE26PB120-P3D7	DFE26B030-P2D7 DFE26B030-P3D7
Cone Pendant	3/4 1	VFE26PB120-A2 VFE26PB120-A3	VFE26B030-A2 VFE26B030-A3	VFE26PB120-A2D7 VFE26PB120-A3D7	DFE26B030-A2D7 DFE26B030-A3D7
Ceiling	3/4 1	VFE26PB120-C2 VFE26PB120-C3	VFE26B030-C2 VFE26B030-C3	VFE26PB120-C2D7 VFE26PB120-C3D7	DFE26B030-C2D7 DFE26B030-C3D7
Wall	3/4 1	VFE26PB120-B2 VFE26PB120-B3	VFE26B030-B2 VFE26B030-B3	VFE26PB120-B2D7 VFE26PB120-B307	DFE26B030-B2D7 DFE26B030-B3D7
Angle Stanchion	1-1/4 1-1/2	VFE26PB120-S4 VFE26PB120-S5	VFE26B030-S4 VFE26B030-S5	VFE26PB120-S4D7 VFE26PB120-S5D7	DFE26B030-S4D7 DFE26B030-S5D7
90° Stanchion	1-1/4 1-1/2	VFE26PB120-L4 VFE26PB120-L5	VFE26B030-L4 VFE26B030-L5	VFE26PB120-L4D7 VFE26PB120-L5D7	DFE26B030-L4D7 DFE26B030-L5D7

NOTES:
- To specify HazBatt™ H2 to be shipped with test switch station suitable for use in Class I, Division 2 location, add "Z" to the end of the catalog number. Example: VFE26PB120-B2
- All HazBatt™ fixtures include lamps.
- ‡ Contact the factory for other voltages.
- All HazBatt™ fixtures include globe and guard.

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| Fluorescent Emergency Lighting Systems **CLASS I, DIVISION 2** | *HazBatt™ H3* | (UL) | • UL 844, UL 924, UL 1598
• Class I, Division 2, Groups A, B, C, D
• Class II, Division 1, Groups F, G
• Enclosed and Gasketed, Wet Locations
• Marine - Inside Dripproof |

D

Hazlux®

MOUNTING STYLE	SIZE (Inches)	HAZBATT™ H3 WITH GLOBE, GUARD		HAZBATT™ H3 WITH EXIT SIGN	
		Continuous Operation (120 VAC)‡	Emergency Use Only (120/277 VAC)	Continuous Operation (120 VAC)‡	Emergency Use Only (120/277 VAC)
Rigid Pendant	3/4 1	DFE26PB12V-GGL-P2D DFE26PB12V-GGL-P3D	DFE26PB03V-GGL-P2D DFE26PB03V-GGL-P3D	DFE26PB12V-GGL-P2D7 DFE26PB12V-GGL-P3D7	DFE26B03V-GGL-P2D7 DFE26B03V-GGL-P3D7
Cone Pendant	3/4 1	DFE26PB12V-GGL-A2D DFE26PB12V-GGL-A3D	DFE26PB03V-GGL-A2D DFE26PB03V-GGL-A3D	DFE26PB12V-GGL-A2D7 DFE26PB12V-GGL-A3D7	DFE26B03V-GGL-A2D7 DFE26B03V-GGL-A3D7
Ceiling	3/4 1	DFE26PB12V-GGL-C2D DFE26PB12V-GGL-C3D	DFE26PB03V-GGL-C2D DFE26PB03V-GGL-C3D	DFE26PB12V-GGL-C2D7 DFE26PB12V-GGL-C3D7	DFE26B03V-GGL-C2D7 DFE26B03V-GGL-C3D7
Wall	3/4 1	DFE26PB12V-GGL-B2D DFE26PB12V-GGL-B3D	DFE26PB03V-GGL-B2D DFE26PB03V-GGL-B3D	DFE26PB12V-GGL-B2D7 DFE26BP12V-GGL-B307	DFE26B03V-GGL-B2D7 DFE26B03V-GGL-B3D7
Angle Stanchion	1-1/4 1-1/2	DFE26PB12V-GGL-S4D DFE26PB12V-GGL-S5D	DFE26PB03V-GGL-S4D DFE26PB03V-GGL-S5D	DFE26PB12V-GGL-S4D7 DFE26PB12V-GGL-S5D7	DFE26B03V-GGL-S4D7 DFE26B03V-GGL-S5D7
90° Stanchion	1-1/4 1-1/2	DFE26PB12V-GGL-L4D DFE26PB12V-GGL-L5D	DFE26PB03V-GGL-L4D DFE26PB03V-GGL-L5D	DFE26PB12V-GGL-L4D7 DFE26PB12V-GGL-L5D7	DFE26B03V-GGL-L4D7 DFE26B03V-GGL-L5D7

NOTES:
- *To specify HazBatt™H3 to be shipped with test switch station suitable for use in Class I, Division 2 location, add "Z" to the end of the catalog number. Example: DFE26PB12V-GGL-B2DZ*
- *All HazBatt™H3 fixtures include lamps.*
- *‡ Contact the factory for other voltages.*
- *All HazBatt™ fixtures include globe and guard.*

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| Fluorescent Emergency Lighting Systems **CLASS II, GROUPS F, G** | *HazBatt™ H3* | (UL) | • UL 844, UL 924, UL 1598
• Class II, Division 1, Groups F, G
• Enclosed and Gasketed, Wet Locations
• Marine - Inside Dripproof |
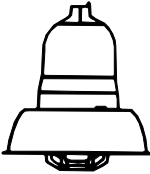
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Hazlux®

MOUNTING STYLE	SIZE (Inches)	HAZBATT™ H3 WITH GLOBE, GUARD		HAZBATT™ H3 WITH EXIT SIGN	
		Continuous Operation (120 VAC)‡	Emergency Use Only (120/277 VAC)	Continuous Operation (120 VAC)‡	Emergency Use Only (120/277 VAC)
Rigid Pendant	3/4 1	DFE26PB12D-P2 DFE26PB12D-P3	DFE26B03D-P2 DFE26B03D-P3	DFE26PB12D-P27 DFE26PB12D-P37	DFE26B03D-P27 DFE26B03D-P37
Cone Pendant	3/4 1	DFE26PB12D-A2 DFE26PB12D-A3	DFE26B03D-A2 DFE26B03D-A3	DFE26PB12D-A27 DFE26PB12D-A37	DFE26B03D-A27 DFE26B03D-A37
Ceiling	3/4 1	DFE26PB12D-C3 DFE26PB12D-C3	DFE26B03D-C2 DFE26B03D-C3	DFE26PB12D-C27 DFE26PB12D-C37	DFE26B03D-C27 DFE26B03D-C37
Wall	3/4 1	DFE26PB12D-B2 DFE26PB12D-B3	DFE26B03D-B2 DFE26B03D-B3	DFE26PB12D-B27 DFE26BP12D-B37	DFE26B03D-B27 DFE26B03D-B37
Angle Stanchion	1-1/4 1-1/2	DFE26PB12D-S4 DFE26PB12D-S5	DFE26B03D-S4 DFE26B03D-S5	DFE26PB12D-S47 DFE26PB12D-S57	DFE26B03D-S47 DFE26B03D-S57
90° Stanchion	1-1/4 1-1/2	DFE26PB12D-L4 DFE26PB12D-L5	DFE26B03D-L4 DFE26B03D-L5	DFE26PB12D-L47 DFE26PB12D-L57	DFE26B03D-L47 DFE26B03D-L57

NOTES:
• To specify HazBatt™H3 to be shipped with test switch station suitable for use in Class II location, add "Z" to the end of the catalog number.
  Example: DFE26PB12D-GGL-B2DZ
• All HazBatt™H3 fixtures include lamps.
‡ Contact the factory for other voltages.

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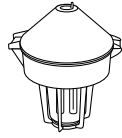
| FLUORESCENT EMERGENCY LIGHTING SYSTEMS

Catalog Numbering System | *HazBatt™ M5* | (UL) | • UL 844, UL 924, UL 1598
• Class I, Division 1, Groups C, D
• Enclosed and Gasketed, Wet Locations
• Marine - Inside Dripproof |

Catalog Numbering System

XFE 26 PB 12 - O - C2 Z
(1)   (2)   (3)   (4)   (5)   (6) (7)

1) HazBatt Type/Suitability
XFE = Class I, Division 1, Groups C, D HazBatt Emergency Lighting System

2) Total Lamp Watts
26 = 2 - 13 Watt Fluorescent Lamps

3) Battery Ballast Circuit
B = Emergency Operation HazBatt: Two Emergency Ballasts Only
PB = Continuous Operation HazBatt: Two Emergency Ballasts plus Two AC Ballasts (120 volt only)

4) Voltage
12 = 120 VAC Primary (Emergency or Continuous Operation)
27 = 277 VAC Primary (Emergency Operation Only)

5) Housing
O = Standard Housing

6) Mounting Style
B2 = 3/4" Wall
B3 = 1" Wall
C2 = 3/4" Ceiling
C3 = 1" Ceiling
J2 = 3/4" Bulkhead
J3 = 1" Bulkhead
P2 = 3/4" Rigid Pendant
P3 = 1" Rigid Pendant
S4 = 1-1/4" Angle Stanchion
S5 = 1-1/2" Angle Stanchion

7) Options
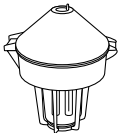**Z** = Shipped with Explosionproof Test Switch Station (Single Button)
7 = Shipped with VRE22 Exit Sign (Not UL Listed)

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| Fluorescent Emergency Lighting Systems **CLASS I, DIVISION 1** | *HazBatt*™ *M5* | (UL) | • UL 844, UL 924, UL 1598
 • Class I, Division 1, Groups C, D
 • Enclosed and Gasketed, Wet Locations
 • Marine - Inside Dripproof |
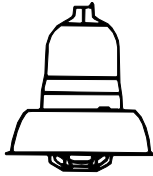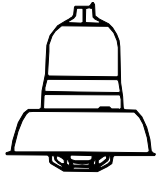
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MOUNTING STYLE	SIZE (Inches)	120 VAC EMERGENCY USE	120 VAC CONTINUOUS OPERATION	277 VAC EMERGENCY USE
Pendant	3/4 1	XFE26B12-O-P2 XFE26B12-O-P3	XFE26PB12-O-P2 XFE26PB12-O-P3	XFE26B27-O-P2 XFE26B27-O-P3
Ceiling	3/4 1	XFE26B12-O-C2 XFE26B12-O-C3	XFE26PB12-O-C2 XFE26PB12-O-C3	XFE26B27-O-C2 XFE26B27-O-C3
Wall	3/4 1	XFE26B12-O-B2 XFE26B12-O-B3	XFE26PB12-O-B2 XFE26PB12-O-B3	XFE26B27-O-B2 XFE26B27-O-B3
Stanchion	1-1/4 1-1/2	XFE26B12-O-S4 XFE26B12-O-S5	XFE26PB12-O-S4 XFE26PB12-O-S5	XFE26B27-O-S4 XFE26B27-O-S5
Bulkhead	3/4 1	XFE26B12-O-J2 XFE26B12-O-J3	XFE26PB12-O-J2 XFE26PB12-O-J3	XFE26B27-O-J2 XFE26B27-O-J3

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Fluorescent Emergency Lighting Systems **CLASS I, DIVISION 1 WITH EXIT SIGN**	*HazBatt™ M5*	(UL)	• UL 844, UL 924, UL 1598 • Class I, Division 1, Groups C, D • Enclosed and Gasketed, Wet Locations • Marine - Inside Dripproof

MOUNTING STYLE	SIZE (Inches)	120 VAC EMERGENCY USE	120 VAC CONTINUOUS OPERATION	277 VAC EMERGENCY USE
Pendant	3/4 1	XFE26B12-O-P27 XFE26B12-O-P37	XFE26PB12-O-P27 XFE26BP12-O-P37	XFE26B27-O-P27 XFE26B27-O-P37
Ceiling	3/4 1	XFE26B12-O-C27 XFE26B12-O-C37	XFE26PB12-O-C27 XFE26PB12-O-C37	XFE26B27-O-C27 XFE26B27-O-C37
Wall	3/4 1	XFE26B12-O-B27 XFE26B12-O-B37	XFE26PB12-O-B27 XFE26PB12-O-B37	XFE26B27-O-B27 XFE26B27-O-B37
Stanchion	1-1/4 1-1/2	XFE26B12-O-S47 XFE26B12-O-S57	XFE26PB12-O-S47 XFE26PB12-O-S57	XFE26B27-O-S47 XFE26B27-O-S57
Bulkhead	3/4 1	XFE26B12-O-J27 XFE26B12-O-J37	XFE26PB12-O-J27 XFE26PB12-O-J37	XFE26B27-O-J27 XFE26B27-O-J37

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ADVERSE & INDUSTRIAL STROBE LIGHTS **Catalog Numbering System**	*HazFlash™ M4* **VXS SERIES**	CSA® NRTL/C	• CSA - NRTL/C • Outdoor Wet Locations, NEMA 3R • Outdoor Marine‡, NEMA 4X‡ • Class I, Division 2, Groups A, B, C, D

D

Hazlux®

Catalog Numbering System

VXS 6 1 R GP - P2 SR
①   ② ③ ④ ⑤   ⑥ ⑦

1) Strobe Series and Suitability
VXS = HazFlash™ M4 Xenon Strobe
Outdoor, Wet Locations
Outdoor, Marine Locations

2) Flash Rate
6 = 60 Flashes per Minute

3) Electrical Ratings
1 = 120 Volts AC, 50/60 Hz (Standard)
2 = 240 Volts AC, 50/60 Hz
8 = 10 - 30 Volts DC
9 = 90 - 130 Volts DC

4) Lens Color
R = Red
B = Blue
C = Clear
G = Green
A = Amber

5) Optical Assembly Options
G = Polycarbonate Globe (Standard)
GP = Polycarbonate Globe and Polymeric Guard
TG = Tempered Glass Globe
TGP = Tempered Globe and Polymeric Guard

6) Mounting Style
P2 = 3/4" Pendant Mount
C2 = 3/4" Ceiling Mount
B2 = 3/4" Wall Mount with Box
S4 = 1-1/4" Angle Stanchion Mount

7) Options
SR = Sealing Ring Kit for Inverted Mounting (Maintains Marine Listing in Globe Up Position)

‡Sealing Ring Option required when mounting in globe up position.

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ADVERSE & INDUSTRIAL STROBE LIGHTS	*HazFlash™ M4*	CSA NRTL/C	• CSA - NRTL
WET LOCATIONS MARINE LOCATIONS	**VXS SERIES**		• Outdoor Wet Locations, NEMA 3R • Outdoor Marine‡, NEMA 4X‡ • Class I, Division 2, Groups A, B, C, D

RED Lens HazFlash™ M4 VXS Strobe Lights

MOUNTING STYLE	CONDUIT SIZE	120 VAC, 50/60 Hz CATALOG NUMBER	240 VAC, 50/60 HZ CATALOG NUMBER	10 - 30 VDC CATALOG NUMBER	90 - 130 VDC CATALOG NUMBER
Pendant	3/4"	VXS61RGP-P2	VSX62RGP-P2	VXS68RGP-P2	VXS69RGP-P2
Ceiling	3/4"	VXS61RGP-C2	VXS62RGP-C2	VXS68RGP-C2	VXS69RGP-C2
Wall	3/4"	VXS61RGP-B2	VXS62RGP-B2	VXS68RGP-B2	VXS69RGP-B2
Stanchion	1-1/4"	VXS61RGP-S4	VXS62RGP-S4	VXS68RGP-S4	VXS69RGP-S4

BLUE Lens HazFlash™ M4 VXS Strobe Lights

MOUNTING STYLE	CONDUIT SIZE	120 VAC, 50/60 Hz CATALOG NUMBER	240 VAC, 50/60 HZ CATALOG NUMBER	10 - 30 VDC CATALOG NUMBER	90 - 130 VDC CATALOG NUMBER
Pendant	3/4"	VXS61BGP-P2	VSX62BGP-P2	VXS68BGP-P2	VXS69BGP-P2
Ceiling	3/4"	VXS61BGP-C2	VXS62BGP-C2	VXS68BGP-C2	VXS69BGP-C2
Wall	3/4"	VXS61BGP-B2	VXS62BGP-B2	VXS68BGP-B2	VXS69BGP-B2
Stanchion	1-1/4"	VXS61BGP-S4	VXS62BGP-S4	VXS68BGP-S4	VXS69BGP-S4

CLEAR Lens HazFlash™ M4 VXS Strobe Lights

MOUNTING STYLE	CONDUIT SIZE	120 VAC, 50/60 Hz CATALOG NUMBER	240 VAC, 50/60 HZ CATALOG NUMBER	10 - 30 VDC CATALOG NUMBER	90 - 130 VDC CATALOG NUMBER
Pendant	3/4"	VXS61CGP-P2	VSX62CGP-P2	VXS68CGP-P2	VXS69CGP-P2
Ceiling	3/4"	VXS61CGP-C2	VXS62CGP-C2	VXS68CGP-C2	VXS69CGP-C2
Wall	3/4"	VXS61CGP-B2	VXS62CGP-B2	VXS68CGP-B2	VXS69CGP-B2
Stanchion	1-1/4"	VXS61CGP-S4	VXS62CGP-S4	VXS68CGP-S4	VXS69CGP-S4

ORDERING NOTES:
‡ Use sealing ring kit (below) to maintain Outdoor Marine and NEMA 4X ratings when installing in the inverted position.
• To order VXS strobe light with sealing ring kit for inverted mounting (globe pointing up), add suffix "-SR" to the catalog number. Example: VXS261RGP-P2-SR.

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ADVERSE & INDUSTRIAL STROBE LIGHTS **WET LOCATIONS MARINE LOCATIONS**	*HazFlash™ M4* **VXS SERIES**	CSA NRTL/C	• CSA - NRTL • Outdoor Wet Locations, NEMA 3R • Outdoor Marine‡, NEMA 4X‡ • Class I, Division 2, Groups A, B, C, D

GREEN Lens HazFlash™ M4 VXS Strobe Lights

MOUNTING STYLE	CONDUIT SIZE	120 VAC, 50/60 Hz CATALOG NUMBER	240 VAC, 50/60 HZ CATALOG NUMBER	10 - 30 VDC CATALOG NUMBER	90 - 130 VDC CATALOG NUMBER
Pendant	3/4"	**VXS61GGP-P2**	VSX62GGP-P2	**VXS68GGP-P2**	**VXS69GGP-P2**
Ceiling	3/4"	**VXS61GGP-C2**	**VXS62GGP-C2**	**VXS68GGP-C2**	**VXS69GGP-C2**
Wall	3/4"	**VXS61GGP-B2**	**VXS62GGP-B2**	**VXS68GGP-B2**	**VXS69GGP-B2**
Stanchion	1-1/4"	**VXS61GGP-S4**	**VXS62GGP-S4**	**VXS68GGP-S4**	**VXS69GGP-S4**

AMBER Lens HazFlash™ M4 VXS Strobe Lights

MOUNTING STYLE	CONDUIT SIZE	120 VAC, 50/60 Hz CATALOG NUMBER	240 VAC, 50/60 HZ CATALOG NUMBER	10 - 30 VDC CATALOG NUMBER	90 - 130 VDC CATALOG NUMBER
Pendant	3/4"	**VXS61AGP-P2**	VSX62AGP-P2	**VXS68AGP-P2**	**VXS69AGP-P2**
Ceiling	3/4"	**VXS61AGP-C2**	**VXS62AGP-C2**	**VXS68AGP-C2**	**VXS69AGP-C2**
Wall	3/4"	**VXS61AGP-B2**	**VXS62AGP-B2**	**VXS68AGP-B2**	**VXS69AGP-B2**
Stanchion	1-1/4"	**VXS61AGP-S4**	**VXS62AGP-S4**	**VXS68AGP-S4**	**VXS69AGP-S4**

ORDERING NOTES:
‡ Use sealing ring kit (below) to maintain Outdoor Marine and NEMA 4X ratings when installing in the inverted position.
• To order VXS strobe light with sealing ring kit for inverted mounting (globe pointing up), add suffix "-SR" to the catalog number. Example: VXS261RGP-P2-SR.

VXS Strobe Light Replacement Parts

CATALOG NUMBER	DESCRIPTION
XSFT	Replacement Flash Tube
XSFL-R	Replacement Fresnel Lens - Red
XSFL-B	Replacement Fresnel Lens - Blue
XSFL-C	Replacement Fresnel Lens - Clear
XSFL-G	Replacement Fresnel Lens - Green
XSFL-A	Replacement Fresnel Lens - Amber
VGU15P	Replacement Polycarbonate Guard
VGT15	Tempered Glass Globe
VGL15P	Polycarbonate Globe
SRKIT-1	Sealing Ring Kit - includes sealing ring and gasket

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CLASS I, DIV. 2; CLASS II STROBE LIGHTS **Catalog Numbering System**	*HazFlash™ M4* **DXS SERIES**	CSA NRTL/C	• CSA - NRTL/C • Class I, Division 2, Groups A, B, C, D • Class II, Division 1, Groups E, F, G† • Outdoor Wet Locations, NEMA 3R • Outdoor Marine‡, NEMA 4X‡

Catalog Numbering System

DXS 6 1 R GP - P2 SR
(1)   (2)(3)(4)(5)   (6)(7)

1) Strobe Series and Suitability
DXS = HazFlash™ M4 Xenon Strobe
Class I, Division 2, Groups A, B, C, D
Class II, Division 1, Groups E, F, G†

†Class II: Pendant Mount Strobes Only

2) Flash Rate
6 = 60 Flashes per Minute

3) Electrical Ratings
1 = 120 Volts AC, 50/60 Hz (Standard)
2 = 240 Volts AC, 50/60 Hz
8 = 10 - 30 Volts DC
9 = 90 - 130 Volts DC

4) Lens Color
R = Red
B = Blue
C = Clear
G = Green
A = Amber

5) Optical Assembly Options
G = Clear Glass Globe (Standard)
GP = Clear Globe and Polymeric Guard
TG = Tempered Glass Globe
TGP = Tempered Globe and Polymeric Guard

6) Mounting Style
P2 = 3/4" Pendant Mount
C2 = 3/4" Ceiling Mount
B2 = 3/4" Wall Mount with Box
S4 = 1-1/4" Angle Stanchion Mount

7) Options
SR = Sealing Ring Kit for Inverted Mounting
(Maintains Marine Listing in Globe Up
Position)

‡Sealing Ring Option required when mounting in globe up position.
† Pendant Mount only.

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| HAZARDOUS AREA STROBE LIGHTS

CLASS I, DIV. 2
CLASS II, DIV. 1† | *HazFlash™ M4*

DXS SERIES | CSA - NRTL | • CSA - NRTL
• Class I, Division 2, Groups A, B, C, D
• Class II, Division 1, Groups E, F, G†
• Outdoor Wet Locations, NEMA 3R
• Outdoor Marine‡, NEMA 4X‡ |

RED Lens HazFlash™ M4 DXS Strobe Lights

MOUNTING STYLE	CONDUIT SIZE	120 VAC, 50/60 Hz CATALOG NUMBER	240 VAC, 50/60 HZ CATALOG NUMBER	10 - 30 VDC CATALOG NUMBER	90 - 130 VDC CATALOG NUMBER
Pendant	3/4"	DXS61RGP-P2	DSX62RGP-P2	DXS68RGP-P2	DXS69RGP-P2
Ceiling	3/4"	DXS61RGP-C2	DXS62RGP-C2	DXS68RGP-C2	DXS69RGP-C2
Wall	3/4"	DXS61RGP-B2	DXS62RGP-B2	DXS68RGP-B2	DXS69RGP-B2
Stanchion	1-1/4"	DXS61RGP-S4	DXS62RGP-S4	DXS68RGP-S4	DXS69RGP-S4

BLUE Lens HazFlash™ M4 DXS Strobe Lights

MOUNTING STYLE	CONDUIT SIZE	120 VAC, 50/60 Hz CATALOG NUMBER	240 VAC, 50/60 HZ CATALOG NUMBER	10 - 30 VDC CATALOG NUMBER	90 - 130 VDC CATALOG NUMBER
Pendant	3/4"	DXS61BGP-P2	DSX62BGP-P2	DXS68BGP-P2	DXS69BGP-P2
Ceiling	3/4"	DXS61BGP-C2	DXS62BGP-C2	DXS68BGP-C2	DXS69BGP-C2
Wall	3/4"	DXS61BGP-B2	DXS62BGP-B2	DXS68BGP-B2	DXS69BGP-B2
Stanchion	1-1/4"	DXS61BGP-S4	DXS62BGP-S4	DXS68BGP-S4	DXS69BGP-S4

CLEAR Lens HazFlash™ M4 DXS Strobe Lights

MOUNTING STYLE	CONDUIT SIZE	120 VAC, 50/60 Hz CATALOG NUMBER	240 VAC, 50/60 HZ CATALOG NUMBER	10 - 30 VDC CATALOG NUMBER	90 - 130 VDC CATALOG NUMBER
Pendant	3/4"	DXS61CGP-P2	DSX62CGP-P2	DXS68CGP-P2	DXS69CGP-P2
Ceiling	3/4"	DXS61CGP-C2	DXS62CGP-C2	DXS68CGP-C2	DXS69CGP-C2
Wall	3/4"	DXS61CGP-B2	DXS62CGP-B2	DXS68CGP-B2	DXS69CGP-B2
Stanchion	1-1/4"	DXS61CGP-S4	DXS62CGP-S4	DXS68CGP-S4	DXS69CGP-S4

ORDERING NOTES:
† Use pendant mount strobes only for Class II locations.
‡ Use sealing ring kit (below) to maintain Outdoor Marine and NEMA 4X ratings when installing in the inverted position.
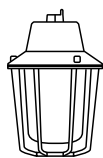*• To order DXS strobe light with sealing ring kit for inverted mounting (globe pointing up), add suffix "-SR" to the catalog number. Example: DXS61RGP-P2-SR.*

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HAZARDOUS AREA STROBE LIGHTS **CLASS I, DIV. 2** **CLASS II, DIV. 1†**	*HazFlash™ M4* **DXS SERIES**	CSA NRTL/C	• CSA - NRTL • Class I, Division 2, Groups A, B, C, D • Class II, Division 1, Groups E, F, G† • Outdoor Wet Locations, NEMA 3R • Outdoor Marine‡, NEMA 4X‡

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GREEN Lens HazFlash™ M4 VXS Strobe Lights

MOUNTING STYLE	CONDUIT SIZE	120 VAC, 50/60 Hz CATALOG NUMBER	240 VAC, 50/60 HZ CATALOG NUMBER	10 - 30 VDC CATALOG NUMBER	90 - 130 VDC CATALOG NUMBER
Pendant	3/4"	DXS61GGP-P2	DSX62GGP-P2	DXS68GGP-P2	DXS69GGP-P2
Ceiling	3/4"	DXS61GGP-C2	DXS62GGP-C2	DXS68GGP-C2	DXS69GGP-C2
Wall	3/4"	DXS61GGP-B2	DXS62GGP-B2	DXS68GGP-B2	DXS69GGP-B2
Stanchion	1-1/4"	DXS61GGP-S4	DXS62GGP-S4	DXS68GGP-S4	DXS69GGP-S4

AMBER Lens HazFlash™ M4 VXS Strobe Lights

MOUNTING STYLE	CONDUIT SIZE	120 VAC, 50/60 Hz CATALOG NUMBER	240 VAC, 50/60 HZ CATALOG NUMBER	10 - 30 VDC CATALOG NUMBER	90 - 130 VDC CATALOG NUMBER
Pendant	3/4"	DXS61AGP-P2	DSX62AGP-P2	DXS68AGP-P2	DXS69AGP-P2
Ceiling	3/4"	DXS61AGP-C2	DXS62AGP-C2	DXS68AGP-C2	DXS69AGP-C2
Wall	3/4"	DXS61AGP-B2	DXS62AGP-B2	DXS68AGP-B2	DXS69AGP-B2
Stanchion	1-1/4"	DXS61AGP-S4	DXS62AGP-S4	DXS68AGP-S4	DXS69AGP-S4
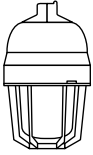
ORDERING NOTES:
† Use pendant mount strobes only for Class II locations.
‡ Use sealing ring kit (below) to maintain Outdoor Marine and NEMA 4X ratings when installing in the inverted position.
• To order DXS strobe light with sealing ring kit for inverted mounting (globe pointing up), add suffix "-SR" to the catalog number. Example: DXS261RGP-P2-SR.

DXS Strobe Light Replacement Parts

CATALOG NUMBER	DESCRIPTION
XSFT	Replacement Flash Tube
XSFL-R	Replacement Fresnel Lens - Red
XSFL-B	Replacement Fresnel Lens - Blue
XSFL-C	Replacement Fresnel Lens - Clear
XSFL-G	Replacement Fresnel Lens - Green
XSFL-A	Replacement Fresnel Lens - Amber
VGU22P	Replacement Polycarbonate Guard
VGL22	Clear Glass Globe
VGT22	Tempered Glass Globe
SRKIT-1	Sealing Ring Kit - includes sealing ring and gasket

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EXPLOSION-PROOF STROBE LIGHTS

Catalog Numbering System

HazFlash™ M5

XXS SERIES

• CSA - NRTL
• Class I, Division 2, Groups C, D
• Class II, Division 1, Groups E, F, G
• Outdoor Wet Locations†, NEMA 3R
UL 864, UL 1598, UL 844

NRTL/C

Catalog Numbering System

XXS 6 1 R - G - P2 SR
①   ② ③ ④   ⑤   ⑥ ⑦

1) Strobe Series and Suitability
   XXS = HazFlash™ M5 Xenon Strobe
           Class I, Division 2, Groups C, D
           Class II, Division 1, Groups E, F, G

2) Flash Rate
   6 = 60 Flashes per Minute
   4 = 40 Flashes per Minute (Standard)
   8 = 80 Flashes per Minute

3) Electrical Ratings
   1 = 120 Volts AC, 50/60 Hz (Standard)
   2 = 240 Volts AC, 50/60 Hz
   8 = 10 - 30 Volts DC
   9 = 90 - 130 Volts DC

4) Lens Color
   R = Red
   B = Blue
   C = Clear
   G = Green
   A = Amber

5) Guard
   G = Cast Guard
         (Omit "G" if guard is not required.)

6) Mounting Style
   P2 = 3/4" Pendant Mount
   P3 = 1" Pendant Mount
   C2 = 3/4" Ceiling Mount
   C3 = 1" Ceiling Mount
   B2 = 3/4" Wall Mount with Box
   B3 = 1" Wall Mount with Box
   J2 = 3/4" Bulkhead Mount
   J3 = 1" Bulkhead Mount
   S4 = 1-1/4" Angle Stanchion Mount
   S5 = 1-1/2" Angle Stanchion Mount

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| EXPLOSION PROOF STROBE LIGHTS

CLASS I, DIV. 1
CLASS II, DIV. 1 | *HazFlash™ M5*

XXS SERIES | CSA NRTL/C | • CSA - NRTL
• Class I, Division 2, Groups C, D
• Class II, Division 1, Groups E, F, G
• Outdoor Wet Locations†, NEMA 3R
UL 864, UL 1598, UL 844 |

RED Lens HazFlash™ M5 XXS Strobe Lights

MOUNTING STYLE	CONDUIT SIZE	120 VAC, 50/60 Hz CATALOG NUMBER	240 VAC, 50/60 HZ CATALOG NUMBER	10 - 30 VDC CATALOG NUMBER	90 - 130 VDC CATALOG NUMBER
Pendant	3/4"	XXS61R-G-P2	XSX62R-G-P2	XXS68R-G-P2	XXS69R-G-P2
Ceiling	3/4"	XXS61R-G-C2	XXS62R-G-C2	XXS68R-G-C2	XXS69R-G-C2
Wall	3/4"	XXS61R-G-B2	XXS62R-G-B2	XXS68R-G-B2	XXS69R-G-B2
Stanchion	1-1/4"	XXS61R-G-S4	XXS62R-G-S4	XXS68R-G-S4	XXS69R-G-S4

BLUE Lens HazFlash™ M5 XXS Strobe Lights
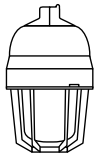
MOUNTING STYLE	CONDUIT SIZE	120 VAC, 50/60 Hz CATALOG NUMBER	240 VAC, 50/60 HZ CATALOG NUMBER	10 - 30 VDC CATALOG NUMBER	90 - 130 VDC CATALOG NUMBER
Pendant	3/4"	XXS61B-G-P2	XSX62B-G-P2	XXS68B-G-P2	XXS69B-G-P2
Ceiling	3/4"	XXS61B-G-C2	XXS62B-G-C2	XXS68B-G-C2	XXS69B-G-C2
Wall	3/4"	XXS61B-G-B2	XXS62B-G-B2	XXS68B-G-B2	XXS69B-G-B2
Stanchion	1-1/4"	XXS61B-G-S4	XXS62B-G-S4	XXS68B-G-S4	XXS69B-G-S4

CLEAR Lens HazFlash™ M5 XXS Strobe Lights

MOUNTING STYLE	CONDUIT SIZE	120 VAC, 50/60 Hz CATALOG NUMBER	240 VAC, 50/60 HZ CATALOG NUMBER	10 - 30 VDC CATALOG NUMBER	90 - 130 VDC CATALOG NUMBER
Pendant	3/4"	DXS61C-G-P2	DSX62C-G-P2	DXS68C-G-P2	DXS69C-G-P2
Ceiling	3/4"	DXS61C-G-C2	DXS62C-G-C2	DXS68C-G-C2	DXS69C-G-C2
Wall	3/4"	DXS61C-G-B2	DXS62C-G-B2	DXS68C-G-B2	DXS69C-G-B2
Stanchion	1-1/4"	DXS61C-G-S4	DXS62C-G-S4	DXS68C-G-S4	DXS69C-G-S4

ORDERING NOTES:
• To order XXS strobe light with sealing ring kit for inverted mounting (globe pointing up), add suffix "-SR" to the catalog number. Example: XXS61RGP-P2-SR.

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<table>
<tr><td>

**EXPLOSION PROOF
STROBE LIGHTS**

**CLASS I, DIV. 1
CLASS II, DIV.**

</td><td>

HazFlash™ M5

XXS SERIES

</td><td>

CSA
NRTL/C

</td><td>

• CSA - NRTL
• Class I, Division 2, Groups C, D
• Class II, Division 1, Groups E, F, G
• Outdoor Wet Locations†, NEMA 3R
UL 864, UL 1598, UL 844

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Hazlux®

GREEN Lens HazFlash™ M5 XXS Strobe Lights

MOUNTING STYLE	CONDUIT SIZE	120 VAC, 50/60 Hz CATALOG NUMBER	240 VAC, 50/60 HZ CATALOG NUMBER	10 - 30 VDC CATALOG NUMBER	90 - 130 VDC CATALOG NUMBER
Pendant	3/4"	XXS61G-G-P2	XSX62G-G-P2	XXS68G-G-P2	XXS69G-G-P2
Ceiling	3/4"	XXS61G-G-C2	XXS62G-G-C2	XXS68G-G-C2	XXS69G-G-C2
Wall	3/4"	XXS61G-G-B2	XXS62G-G-B2	XXS68G-G-B2	XXS69G-G-B2
Stanchion	1-1/4"	XXS61G-G-S4	XXS62G-G-S4	XXS68G-G-S4	XXS69G-G-S4

AMBER Lens HazFlash™ M5 XXS Strobe Lights

MOUNTING STYLE	CONDUIT SIZE	120 VAC, 50/60 Hz CATALOG NUMBER	240 VAC, 50/60 HZ CATALOG NUMBER	10 - 30 VDC CATALOG NUMBER	90 - 130 VDC CATALOG NUMBER
Pendant	3/4"	XXS61A-G-P2	XSX62A-G-P2	XXS68A-G-P2	XXS69A-G-P2
Ceiling	3/4"	XXS61A-G-C2	XXS62A-G-C2	XXS68A-G-C2	XXS69A-G-C2
Wall	3/4"	XXS61A-G-B2	XXS62A-G-B2	XXS68A-G-B2	XXS69A-G-B2
Stanchion	1-1/4"	XXS61A-G-S4	XXS62A-G-S4	XXS68A-G-S4	XXS69A-G-S4

ORDERING NOTES:
• To order XXS strobe light with sealing ring kit for inverted mounting (globe pointing up), add suffix "-SR" to the catalog number. Example: XXS61RGP-P2-SR.

XXS Strobe Light Replacement Parts

CATALOG NUMBER	DESCRIPTION
XSFT	Replacement Flash Tube
XSFL-R	Replacement Fresnel Lens - Red
XSFL-B	Replacement Fresnel Lens - Blue
XSFL-C	Replacement Fresnel Lens - Clear
XSFL-G	Replacement Fresnel Lens - Green
XSFL-A	Replacement Fresnel Lens - Amber
XGU15	Replacement Guard
XGSA15	Replacement Globe Assembly

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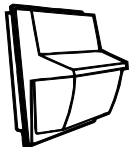
Hazlux®

WALL MOUNT and FLOODLIGHT FIXTURES for GENERAL PURPOSE, WET, MARINE, and HAZARDOUS LOCATIONS*

CONTENTS   **PAGE**

*Check individual product listings for specific suitabilities.

Thomas&Betts

HID WALL MOUNT LUMINAIRES **Catalog Numbering System**	*Hazlux®* **W SERIES**	(UL)	• UL 1598 • Outdoor Wet Locations • NEMA 3R

Catalog Numbering System

WA S 0 10 H 04 E - PC

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

1) Wall Mount Construction, Series

WA = Aluminum Front Wall Mount Luminaire with Glass Refractor Lens (50-250 watts)

WP = Polycarbonate Front Wall Mount Luminaire Single Piece Lens/Front Hsg. (50-150 watts, HPS only)

2) Lamp Type
S = High Pressure Sodium
H = Metal Halide
M = Mercury Vapor

3) Starter Circuit Options
0 = Standard Starter
R = Instant Restart (HPS, 70-150W)

4) Lamp Wattage
05 = 50 Watts
07 = 70 Watts
10 = 100 Watts
15 = 150 Watts
17 = 175 Watts
25 = 250 Watts

5) Ballast Circuit
H = High Reactance or Reactor
C = Constant Wattage Autotransformer *(All ballasts are high power factor)*

6) Voltage/Frequency
06 = 120/277V, 60Hz
04 = 120/208/240/277V, 60Hz
09 = 120/240/347V, 60Hz (CSA)
12 = 120V, 60Hz
27 = 277V, 60Hz
48 = 480V, 60Hz

7) Lamp Options
E = UNIPAK with Clear Lamp
D = UNIPAK with Diffuse Coated Lamp
O = Fixtured Furnished without Lamp

8) Options
-PC = Photoelectric Control
-WG = Wire Guard
-P2 = 3/4" Pendant Conduit Mount†
-SC = 3/4" Side Conduit Entry†
-C = CSA Certified

Notes:
† Standard wall mount luminaire is intended for box mounting. Order with pendant conduit entry or side conduit entry as required.
• Standard finish is bronze polyester powder. Contact Hazlux for optional colors.

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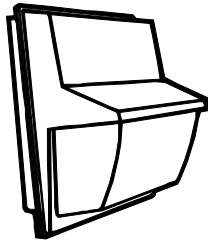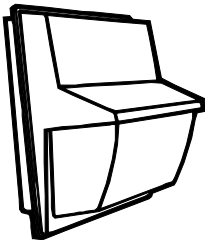
HID WALL MOUNT LUMINAIRES	*Hazlux®*	UL	• UL 1598 • Outdoor Wet Locations • NEMA 3R
Aluminum Front with Glass Lens	**W SERIES**		

LAMP TYPE	LAMP WATTS	VOLTAGE	WALL MOUNT LUMINAIRE CATALOG NUMBER
High Pressure Sodium	50	120	**WAS005H120**
		MT	**WAS005H040**
		480	**WAS005H480**
	70	120	**WAS007H120**
		MT	**WAS007H040**
		480	**WAS007H480**
	100	120	**WAS010H120**
		MT	**WAS010H040**
		480	**WAS010H480**
	150	120	**WAS015H120**
		MT	**WAS015H040**
		480	**WAS015H480**
	250	120	**WAS025C120**
		MT	**WAS025C040**
		480	**WAS025C040**
Metal Halide	100	120	**WAH010H120**
		120/277	**WAH010H030**
		MT	**WAH010H040**
	175	120	**WAH017C120**
		MT	**WAH017C040**
		480	**WAH017C480**
	250	120	**WAH025C120**
		MT	**WAH025C040**
		480	**WAH025C480**

Ordering Notes:
• To order Mercury Vapor luminaires, replace the "WAH" in the metal halide catalog number with "WAM", and make the ballast circuit code "C". Example: WAM010C040.
• Standard finish is bronze polyester powder. Contact Hazlux for optional colors.
• Standard luminaires are for 3" or 4" box mount installation. See the "Options" section in the Catalog Numbering System for pendant conduit entry or side conduit entry.

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HID WALL MOUNT LUMINAIRES	*Hazlux*®		• UL 1598
One Piece Polycarbonate Front/Lens	W SERIES	UL	• Outdoor Wet Locations • NEMA 3R
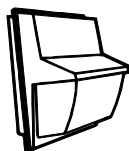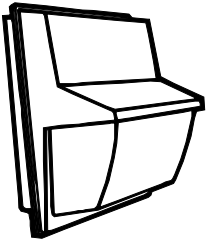
LAMP TYPE	LAMP WATTS	VOLTAGE	WALL MOUNT LUMINAIRE CATALOG NUMBER
High Pressure Sodium	50	120	**WPS005H120**
		MT	**WPS005H040**
		480	**WPS005H480**
	70	120	**WPS007H120**
		MT	**WPS007H040**
		480	**WPS007H480**
	100	120	**WPS010H120**
		MT	**WPS010H040**
		480	**WPS010H480**
	150	120	**WPS015H120**
		MT	**WPS015H040**
		480	**WPS015H480**

Ordering Notes:

• *Standard finish is bronze polyester powder. Contact Hazlux for optional colors.*

• *Standard luminaires are for 3" or 4" box mount installation. See the "Options" section in the Catalog Numbering System for pendant conduit entry or side conduit entry.*

• *Rear housing is single piece die cast aluminum.*

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Hazlux 2 UltraFlood™
Outdoor, Marine Duty Floodlights

Applications:

• Chemical Plants
• Oil Refineries
• Offshore Platforms
• Waste Treatment Facilities
• Food Processing Plants
• Steel Mills, Foundries
• Power Plants
• Pulp and Paper Facilities
• General Manufacturing Plants
• Shipyards and Shipbuilding Facilities
• Airplane Manufacturing Plants
• Defense and Government Facilities
• Other Outdoor Industrial Facilities

Features and Benefits:

• **Computer Designed Reflectors -** for optimal light distribution and efficiency.
• **Die Cast Copper Free Aluminum** - housings and covers for excellent strength, light weight, and corrosion resistance.
• **Silicone Rubber Gasketing** - for watertight environmental sealing.
• **Polyester Powder Finish** - provides superior corrosion resistance and attractive appearance.
• **Fully Pivoting Steel Yoke** - is standard for ease of aiming and mounting flexibility.
• **Variety of Mounting Brackets** - other accessories available to meet mounting needs.
• **Tempered Glass Lens** - resists thermal shock and is fully sealed and mechanically retained.
• **Hinged Door** - swings down for easy lamp replacement; and is easily removable for maintenance.
• **Aiming Sight** - is standard on all UltraFlood floodlights — makes installation faster and easier.
• **Lighting layout assistance** - at no charge.
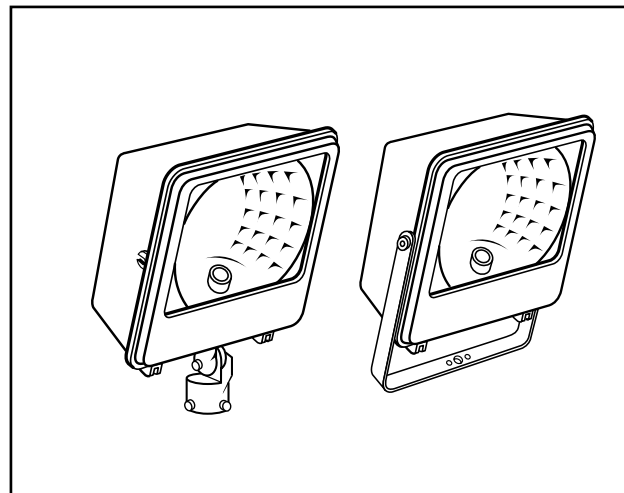
Wattages, Voltages:

• High Pressure Sodium: 70 - 1000 watts
• Metal Halide: 175 - 1000 watts
• Mercury Vapor: 250 - 1000 watts
• All floodlights: 120, 277, 480 or Multi-tap voltages available

Materials, Finishes:

Housings, Covers:	Powder coated copper-free aluminum
Hardware:	Corrosion resistant treated steel
Lens:	Tempered glass

Certifications:

• Outdoor Wet Locations
• Marine Locations (UL595)
• Temperature Range:

70W-400W (All)	-30°C to 40°C
1000W HPS	-30°C to 40°C
1000W MH, MV	-30°C to 25°C

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<table>
<tr><td>

GENERAL PURPOSE HID FLOODLIGHTS

Catalog Numbering System

</td><td>

Hazlux 2 UltraFlood™

</td><td>

(UL)

</td><td>

• UL 1572
• UL 595 Marine, NEMA 4X (FVM Series)
• Outdoor Wet Locations
• NEMA 3R

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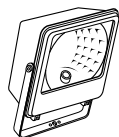
Catalog Numbering System

FV S 0 40 C 04 0 - Y W E - PC
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪

1) Floodlight Series and Suitability
FV = General Purpose, Wet Locations Hazlux 2 Floodlight
FVM = General Purpose, Wet Locations and Marine Locations Hazlux 2 Floodlight

2) Lamp Type
S = High Pressure Sodium
H = Metal Halide
M = Mercury Vapor

3) Starter Type
0 = Standard Starter (HPS)
R = Instant Restart (HPS)

4) Lamp Wattage
10 = 100 Watts
15 = 150 Watts
17 = 175 Watts
20 = 200 Watts
25 = 250 Watts
40 = 400 Watts
00 = 1000 Watts

5) Ballast Circuit
P = Reactor
H = High Reactance
C = Constant Wattage Autotransformer

6) Voltage
04 = 120/208/277/240 VAC (wired to 120)
12 = 120 VAC
20 = 208 VAC
24 = 240 VAC
27 = 277 VAC
48 = 480 VAC
(Contact the factory for other available voltages.)

7) Housing Size
0 = Standard Housing (UltraFlood 400W max.)
L = Large Housing (UltraFlood 1000W)

8) Mounting Style
Y = Yoke (Trunnion) Mount

9) Beam Type
W = Wide Beam
N = Narrow Beam (400W max.)

10) Packaging
E = UNIPAK® with Clear Lamp
D = UNIPAK® with Diffuse Lamp

11) Options
OF = Single Fuse*
FF = Double Fuse*
PC = Photocontrol*
PW = Pre-wired with 3-1/2" Cord
BRZ = Bronze Color
BLK = Black Color
(Standard Color is Gray.)

* Not Marine Listed

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GENERAL PURPOSE HID FLOODLIGHTS
Wet Locations

Hazlux 2 UltraFlood™

• UL 1572
• UL 595 Marine, NEMA 4X (FVM Series)
• Outdoor Wet Locations
• NEMA 3R

D

Hazlux®

LAMP TYPE	LAMP WATTS	VOLTAGE	YOKE (TRUNNION) MOUNT CATALOG NUMBER	INTEGRAL SLIPFITTER CATALOG NUMBER	BEAM TYPE†
High Pressure Sodium	70	120	**FVS007P120-YW**	**FVS007P120-SW**	Wide
		MT	**FVS007H040-YW**	**FVS007H040-SW**	
	100	120	**FVS010P120-YW**	**FVS010P120-SW**	Wide
		MT	**FVS010H040-YW**	**FVS010H040-SW**	
	150	120	**FVS015P120-YW**	**FVS015P120-SW**	Wide
		MT	**FVS015H040-YW**	**FVS015H040-SW**	
	250	120	**FVS025C120-YW**	**FVS025C120-SW**	Wide
		MT	**FVS025C040-YW**	**FVS025C040-SW**	
	400	120	**FVS040C120-YW**	**FVS040C120-SW**	Wide
		MT	**FVS040C040-YW**	**FVS040C040-SW**	
	1000	120	**FVS000C120-YW**	**FVS000C120-SW**	Wide
		MT	**FVS000C040-YW**	**FVS000C040-SW**	
Metal Halide	175	120	**FVH017C120-YW**	**FVH017C120-SW**	Wide
		MT	**FVH017C040-YW**	**FVH017C040-SW**	
	250	120	**FVH025C120-YW**	**FVH025C120-SW**	Wide
		MT	**FVH025C040-YW**	**FVH025C040-SW**	
	400	120	**FVH040C120-YW**	**FVH040C120-SW**	Wide
		MT	**FVH040C040-YW**	**FVH040C040-SW**	
	1000	120	**FVH000C12L-YW**	**FVH000C12L-SW**	Wide
		MT	**FVH000C04L-YW**	**FVH000C04L-SW**	
Mercury Vapor	250	120	**FVM025C120YW**	**FVM025C120-SW**	Wide
		MT	**FVM025C040-YW**	**FVM025C040-SW**	
	400	120	**FVM040C120-YW**	**FVM040C120-SW**	Wide
		MT	**FVM040C040-YW**	**FVM040C040-SW**	
	1000	120	**FVM000C12L-YW**	**FVM000C12L-SW**	Wide
		MT	**FVM000C04L-YW**	**FVM000C04L-SW**	

NOTES: *† For narrow beam floodlights, replace "W" at end of catalog number with "N." Example: FVS040C040-YN .*
• "MT" = Multi-tap ballast — 120, 208, 240, 277 volt.
• To order 480 volt floodlights, replace "04" in multi-tap catalog number with "48." Example: FVS040C480-YN.
• See Mounting Brackets page for other mounting brackets and accessories.
• All floodlights for use with mogul base lamps.

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GENERAL PURPOSE HID FLOODLIGHTS

Marine Locations

Hazlux 2 UltraFlood™

(UL)

(CSA)

• UL 1572
• UL 595 Marine, NEMA 4X (FVM Series)
• Outdoor Wet Locations
• NEMA 3R

D

Hazlux®

LAMP TYPE	LAMP WATTS	VOLTAGE	YOKE (TRUNNION) MOUNT CATALOG NUMBER	INTEGRAL SLIPFITTER CATALOG NUMBER	BEAM TYPE†
High Pressure Sodium	70	120	**FVMS007P120-YW**	**FVMS007P120-SW**	Wide
		MT	**FVMS007H040-YW**	**FVMS007H040-SW**	
	100	120	**FVMS010P120-YW**	**FVMS010P120-SW**	Wide
		MT	**FVMS010H040-YW**	**FVMS010H040-SW**	
	150	120	**FVMS015P120-YW**	**FVMS015P120-SW**	Wide
		MT	**FVMS015H040-YW**	**FVMS015H040-SW**	
	250	120	**FVMS025C120-YW**	**FVMS025C120-SW**	Wide
		MT	**FVMS025C040-YW**	**FVMS025C040-SW**	
	400	120	**FVMS040C120-YW**	**FVMS040C120-SW**	Wide
		MT	**FVMS040C040-YW**	**FVMS040C040-SW**	
	1000	120	**FVMS000C120-YW**	**FVMS000C120-SW**	Wide
		MT	**FVMS000C040-YW**	**FVMS000C040-SW**	
Metal Halide	175	120	**FVMH017C120-YW**	**FVMH017C120-SW**	Wide
		MT	**FVMH017C040-YW**	**FVMH017C040-SW**	
	250	120	**FVMH025C120-YW**	**FVMH025C120-SW**	Wide
		MT	**FVMH025C040-YW**	**FVMH025C040-SW**	
	400	120	**FVMH040C120-YW**	**FVMH040C120-SW**	Wide
		MT	**FVMH040C040-YW**	**FVMH040C040-SW**	
	1000	120	**FVMH000C12L-YW**	**FVMH000C12L-SW**	Wide
		MT	**FVMH000C04L-YW**	**FVMH000C04L-SW**	
Mercury Vapor	250	120	**FVMM025C120YW**	**FVMM025C120-SW**	Wide
		MT	**FVMM025C040-YW**	**FVMM025C040-SW**	
	400	120	**FVMM040C120-YW**	**FVMM040C120-SW**	Wide
		MT	**FVMM040C040-YW**	**FVMM040C040-SW**	
	1000	120	**FVMM000C12L-YW**	**FVMM000C12L-SW**	Wide
		MT	**FVMM000C04L-YW**	**FVMM000C04L-SW**	

NOTES: *† For narrow beam floodlights, replace "W" at end of catalog number with "N." Example: FVMS040C040-YN .*
• "MT" = Multi-tap ballast — 120, 208, 240, 277 volt.
• To order 480 volt floodlights, replace "04" in multi-tap catalog number with "48." Example: FVMS040C480-YN.
• See Mounting Brackets page for other mounting brackets and accessories.
• All floodlights for use with mogul base lamps.

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Hazlux® 3 UltraFlood™
Class I, Division 2 / Marine Duty Floodlights

D

Hazlux®

Applications:

• Chemical Plants
• Oil Refineries
• Offshore Platforms
• Waste Treatment Facilities
• Food Processing Plants
• Steel Mills, Foundries
• Power Plants
• Pulp and Paper Facilities
• General Manufacturing Plants
• Shipyards and Shipbuilding Facilities
• Airplane Manufacturing Plants
• Defense and Government Facilities
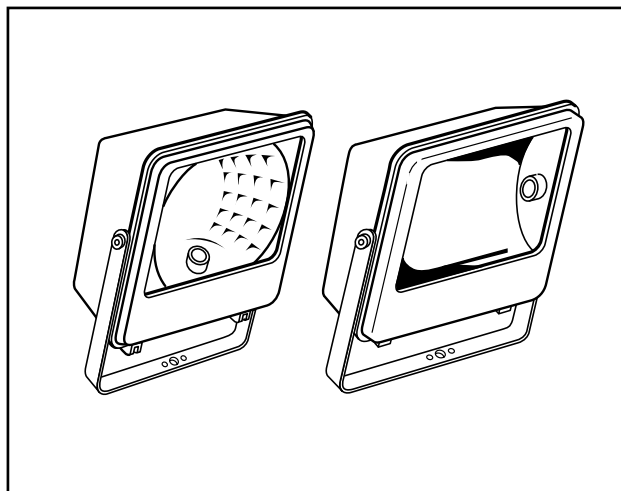
Features and Benefits:

• **Computer Designed Reflectors -** for optimal light distribution and efficiency.
• **Die Cast Aluminum** - housings and covers for excellent strength, light weight, and corrosion resistance. Marine duty floodlights are copper-free aluminum alloy.
• **Polyester Powder Finish** - provides superior corrosion resistance and attractive appearance.
• **Fully Pivoting Steel Yoke** - is standard for ease of aiming and mounting flexibility.
• **Tempered Glass Lens** - resists thermal shock and is fully sealed and mechanically retained.
• **Hinged Door** - swings down for easy lamp replacement; and is easily removable for maintenance.
• **Aiming Sight** - is standard on all Hazlux UltraFlood floodlights — makes installation faster and easier.
• **Lighting layout assistance** - at no charge.

Wattages, Voltages:

• High Pressure Sodium: 70 - 1000 watts
• Metal Halide: 175 - 1000 watts
• Mercury Vapor: 250 - 1000 watts
• All floodlights: 120, 277, 480 or Multi-tap voltages available

Materials, Finishes:

Housings, Covers: Powder coated aluminum
Hardware: Corrosion resistant steel
Lens: Tempered glass

Certifications:

• Class I, Division 2, Groups A, B, C, D - All (UL844)
• Outdoor Wet Locations - All
• Marine Locations (UL1598) - FDM Series
• Temperature Range:

70W - 400W (All)	-30°C to 40°C
1000W HPS	-30°C to 40°C
1000W MH, MV	-30°C to 25°C

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<table>
<tr><td>

CLASS I, DIV. 2 HID FLOODLIGHTS

Catalog Numbering System

</td><td>

Hazlux® 3 UltraFlood™

</td><td>

UL / CSA

</td><td>

• UL 844
• Class I, Division 2, Groups A, B, C, D
• UL1598 Marine, NEMA 4X (FDM Series)
• Outdoor Wet Locations
• NEMA 3R

</td></tr>
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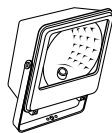
Catalog Numbering System

FD S 0 40 C 48 0 - Y W E - FF
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11)

1) Floodlight Series and Suitability
FD = Class I, Division 2, Groups A, B, C, D
Hazlux 3 Floodlight
FDM = Class I, Division 2, Groups A, B, C, D and
Marine Locations
Hazlux 3 Floodlight

2) Lamp Type
S = High Pressure Sodium
H = Metal Halide
M = Mercury Vapor

3) Starter Type
0 = Standard Starter (HPS)
R = Instant Restart (HPS)

4) Lamp Wattage
10 = 100 Watts
15 = 150 Watts
17 = 175 Watts
20 = 200 Watts
25 = 250 Watts
40 = 400 Watts
00 = 1000 Watts

5) Ballast Circuit
P = Reactor
H = High Reactance
C = Constant Wattage Autotransformer

6) Voltage
04 = 120/208/277/240 VAC (wired to 120)
12 = 120 VAC
20 = 208 VAC
24 = 240 VAC
27 = 277 VAC
48 = 480 VAC
(Contact the factory for other available voltages.)

7) Housing Size
0 = Standard Housing (400W max.)
L = Large Housing (1000W)

8) Mounting Style
Y = Yoke (Trunnion) Mount

9) Beam Type
W = Wide Beam
N = Narrow Beam (400W max.)

10) Packaging
E = UNIPAK® with Clear Lamp
D = UNIPAK® with Diffuse Lamp

11) Options
OF = Single Fuse*
FF = Double Fuse*
PC = Photocontrol*
PW = Pre-wired with 3-1/2" Cord
BRZ = Bronze Color
BLK = Black Color
(Standard Color is Gray.)

* For FD Series only. Not Marine Listed.

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CLASS I, DIV. 2 HID FLOODLIGHTS **Wet Locations**	**Hazlux® 3 UltraFlood™**	UL CSA	• UL 844, UL 595 • Class I, Division 2, Groups A, B, C, D • Marine Locations • Outdoor Wet Locations • NEMA 3R, NEMA4X	
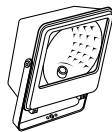
D

Hazlux®

LAMP TYPE	LAMP WATTS	VOLTAGE	YOKE (TRUNNION) MOUNT CATALOG NUMBER	BEAM TYPE†
High Pressure Sodium	70	120	FDS007P120-YW	Wide
		MT	FDS007H040-YW	
	100	120	FDS010P120-YW	Wide
		MT	FDS010H040-YW	
	150	120	FDS015P120-YW	Wide
		MT	FDS015H040-YW	
	250	120	FDS025C120-YW	Wide
		MT	FDS025C040-YW	
	400	120	FDS040C120-YW	Wide
		MT	FDS040C040-YW	
	1000	120	FDS000C120-YW	Wide
		MT	FDS000C040-YW	
Metal Halide	175	120	FDH017C120-YW	Wide
		MT	FDH017C040-YW	
	250	120	FDH025C120-YW	Wide
		MT	FDH025C040-YW	
	400	120	FDH040C120-YW	Wide
		MT	FDH040C040-YW	
	1000	120	FDH000C12L-YW	Wide
		MT	FDH000C04L-YW	
Mercury Vapor	250	120	FDM025C120-YW	Wide
		MT	FDM025C040-YW	
	400	120	FDM040C120-YW	Wide
		MT	FDM040C040-YW	

NOTES: † For narrow beam floodlights, replace "W" at end of catalog number with "N." Example: FDS040C040-YN .
• "MT" = Multi-tap ballast — 120, 208, 240, 277 volt.
• To order 480 volt floodlights, replace "04" in multi-tap catalog number with "48." Example: FDS040C480-YN.
• See Mounting Brackets page for other mounting brackets and accessories.
• All floodlgihts for use with mogul base lamps.

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<table>
<tr><td rowspan="2">**CLASS I, DIV. 2 HID FLOODLIGHTS**
Marine Locations</td><td>*Hazlux® 3*
UltraFlood™</td><td>UL</td><td>• UL 844, UL 595
• Class I, Division 2, Groups A, B, C, D
• Marine Locations
• Outdoor Wet Locations
• NEMA 3R, NEMA4X</td></tr>
<tr><td></td><td>CSA</td><td></td></tr>
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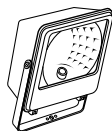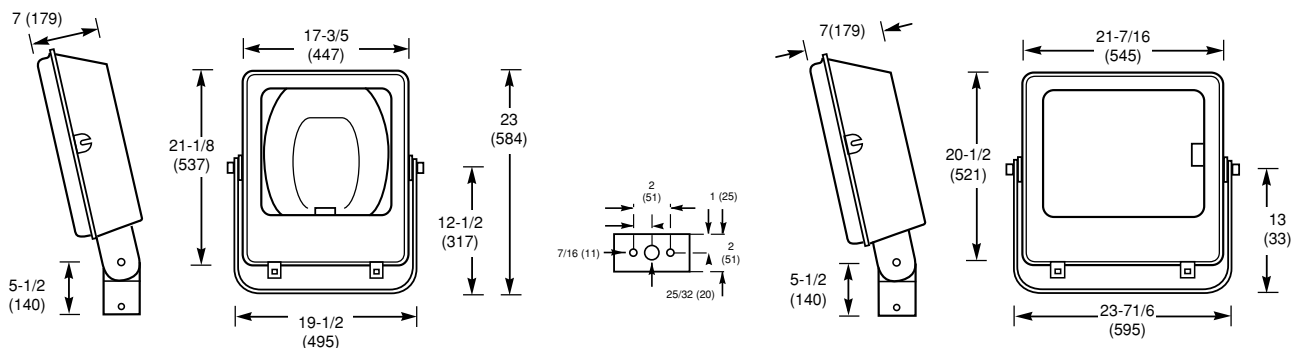| LAMP TYPE	LAMP WATTS	VOLTAGE	YOKE (TRUNNION) MOUNT CATALOG NUMBER	BEAM TYPE†
High Pressure Sodium	70	120	FDMS007P120-YW	Wide
		MT	FDMS007H040-YW	
	100	120	FDMS010P120-YW	Wide
		MT	FDMS010H040-YW	
	150	120	FDMS015P120-YW	Wide
		MT	FDMS015H040-YW	
	250	120	FDMS025C120-YW	Wide
		MT	FDMS025C040-YW	
	400	120	FDMS040C120-YW	Wide
		MT	FDMS040C040-YW	
	1000	120	FDMS000C120-YW	Wide
		MT	FDMS000C040-YW	
Metal Halide	175	120	FDMH017C120-YW	Wide
		MT	FDMH017C040-YW	
	250	120	FDMH025C120-YW	Wide
		MT	FDMH025C040-YW	
	400	120	FDMH040C120-YW	Wide
		MT	FDMH040C040-YW	
	1000	120	FDMH000C12L-YW	Wide
		MT	FDMH000C04L-YW	
Mercury Vapor	250	120	FDMM025C120YW	Wide
		MT	FDMM025C040-YW	
	400	120	FDMM040C120-YW	Wide
		MT	FDMM040C040-YW	
	1000	120	FDMM000C12L-YW	Wide

NOTES: *† For narrow beam floodlights, replace "W" at end of catalog number with "N." Example: FDMS040C040-YN .*
• "MT" = Multi-tap ballast — 120, 208, 240, 277 volt.
• To order 480 volt floodlights, replace "04" in multi-tap catalog number with "48." Example: FDMS040C480-YN.
• See Mounting Brackets page for other mounting brackets and accessories.
• All floodlgihts for use with mogul base lamps.
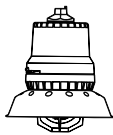
7 (179)   17-3/5 (447)   23 (584)   21-1/8 (537)   12-1/2 (317)   5-1/2 (140)   19-1/2 (495)

2 (51)   1 (25)   7/16 (11)   2 (51)   25/32 (20)

7(179)   21-7/16 (545)   20-1/2 (521)   13 (33)   5-1/2 (140)   23-71/6 (595)

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<table>
<tr><td rowspan="5">FLOODLIGHTS
High Pressure
Sodium
Mercury Vapor
Metal Halide</td><td>Hazlux® 5</td><td></td><td>• UL844
• Class I, Division 1 & 2, Groups C, D
• Class I, Division 2, Groups A, B, C & D
• Suitable for Wet Locations
• NEMA 4X
• UL 1598</td></tr>
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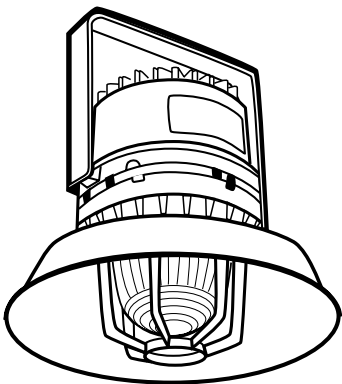|	*Hazlux® 5*		• UL844
FLOODLIGHTS **High Pressure Sodium** **Mercury Vapor** **Metal Halide**	**50 - 400 WATTS**	CSA / UL	• Class I, Division 1 & 2, Groups C, D • Class I, Division 2, Groups A, B, C & D • Suitable for Wet Locations • NEMA 4X • UL 1598

D

Hazlux®

HAZLUX®5 FLOODLIGHT (Trunnion Mount) Class I, Division 1①

LAMP TYPE/ WATTS	CATALOG NUMBER Includes: Fixture — Trunnoin — 3/4" Conduit Outlet
High Pressure Sodium	**G-P2TRE**
50	**XS005H030**
70	**XS007H040-G-P2TRE**
100	**XS010H040-G-P2-TR**
150	**XS015H040-G-P2TRE**
250	**XS025C040-G-P2TRE**
400	**XS040C040-G-P2TRE**
Metal Halide	
175	**XH017C040-G-P2TRE**
250	**XH025C040-G-P2TRE**
	XH040C040-G-P2TRE
	XM010C040-G-P2TRE
	XM017C040-G-P2TRE
	XM025C040-G-P2TRE
	XM040C040-G-P2TRE

NOTE: Fixture shown with Dome Reflector and Guard. These are not included in the Catalog Numbers above. See "Accessories" below.
① *Contact factory for T-Ratings.*

HAZLUX®5 FLOODLIGHT ACCESSORIES

ACCESSORIES	CATALOG NUMBER
Angle Reflector	**VRA31**
Dome Reflector	**VR31**
Cast Guard	**XGU44 (50-150 H.P.S., 175/250 M.H. or 100-250 M.V.)**
Cast Guard	**VGU 31 (250/400 H.P.S., 400 M.V. or 400 M.H.)**

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Hazlux®

Appendix I:
UNIPAK® PACKAGING and LAMPS

CONTENTS **PAGE**

*Check individual product listings for specific suitabilities.

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Hazlux® UNIPAK® PACKAGING

UNIPAK®

• UNIPAK is HAZLUX's customized packaging system that is designed to save money for all concerned.

• UNIPAKed fixtures are normally assembled and can include globes, guards, reflectors, lamps, fuses and other options.

• Outlet boxes are normally shipped separately. Consult factory regarding outlet boxes to be assembled to fixtures and UNIPAKed.

• Assembled UNIPAKed fixtured are shipped in one carton with the fixture foam packed in place.

• UNIPAK saves six ways:

  — Fewer cartons to receive, count, move, open, and dispose
  — Fewer storage problems
  — Reduces inventory expense
  — Eliminates lost or backordered parts
  — Eliminates mismatched fixtures or lamps
  — Significantly reduces labor costs
  — Reduces total installed cost per fixture.

• Refer to the "Catalog Number System" page for each individual Hazlux fixture series for ordering information.

NOTE: UNIPAK packaging must include lamp.

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	Hazlite™	HIGH PRESSURE SODIUM MERCURY VAPOR METAL HALIDE TWIN TUBE FLUORESCENT
LAMPS	**9-400 Watts**	

HIGH PRESSURE SODIUM

DESCRIPTION	CATALOG NUMBER
35 Watt	**LU-35**
50 Watt	**HP-50-TB**
70 Watt	**LU-70**
100 Watt	**LU-100**
150 Watt	**HPS-150-55V-TB**
200 Watt	**HPS-200-TB**
250 Watt	**HPS-250-TB**
400 Watt	**HPS-400-TB**

MERCURY VAPOR

DESCRIPTION	CATALOG NUMBER
100 Watt - Clear	**MV-100-TB**
100 Watt - Deluxe	**H38-4JA/DX**
175 Watt - Clear	**MV175-TB**
175 Watt - Deluxe	**H3922KC/DX**
250 Watt - Clear	**MV-250-TB**
250 Watt - Deluxe	**H37-5KC/DX**
400 Watt - Clear	**MV-400-TB**
400 Watt - Deluxe	**H33-1GL/DX**

METAL HALIDE

DESCRIPTION	CATALOG NUMBER
70 Watt†	**MH-70 LAMP**
100 Watt†	**MH-100 LAMP**
175 Watt	**MH-175-LAMP**
250 Watt	**MH-250-LAMP**
400 Watt	**MH-400-LAMP**
400 Watt E18	**M-400E**

PL FLUORESCENT

DESCRIPTION	CATALOG NUMBER
5 Watt	**VPL5**
7 Watt	**VPL7**
9 Watt	**VPL9**
9 Watt (dbl twin)	**VPL9D**
13 Watt	**VPL13**
13 Watt (dbl twin)	**PLC-13**
22 Watt	**PLC-22**
28 Watt	**PLC-28**
26 Watt	**PLC-26**
32 Watt	**PLC-32**

† 70 and 100 Watt Metal Halide Lamps are medium base. Contact Hazlux for 70 and 100 mogul base Metal Halide Lamp prices.

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