

Petrolux® Medium

Hazardous Locations



Catalog Number	
Notes	Type

Description

The Petrolux III delivers optimal, efficient lighting performance in Class 1, II, and III hazardous areas and is Nema 4X and IP66. Robust materials and design characterize Holophane hazardous area lighting products, delivering maximum performance in hostile, corrosive environments.

Optics

- Prismatic borosilicate glass maintains highest levels of luminosity over time.
- Glass doesn't fade, discolor or otherwise degrade in harsh environments
- Five distributions available (enclosed reflector, long and narrow refractor, symmetric, FDZ enclosed polymeric refractor and 4545 refractor with forward throw)

Electrical

- 70w, 100w, 150w High-Pressure Sodium
- 70w, 100w Metal Halide
- 175w Pulse Start Metal Halide

Mechanical

- Robust cast aluminum housing with low copper content (0.6% CU content) and durable gray finish withstands harsh or hostile environments.
- Hollow core silicone gasketing assures integrity of the ballast housing and optical chamber
- Tool-less relamping for easy replacement
- Hinged ballast housing allows for quick maintenance and ballast access

Listings

- UL844 (see matrix on page 3):
Class 1, Division 2, Groups A, B, C, D
Class 2, Division 1 & 2, Groups E, F, G
Class 3
- UL1598A - Marine Outside
- UL1598 - Wet locations
- IP66
- NEMA Type 4X

Warranty

2-year limited warranty. Additional warranty available on Holophane ballasts. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

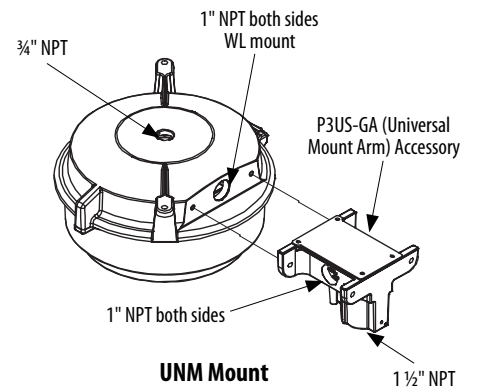
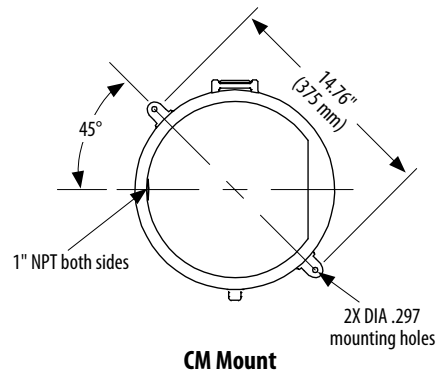
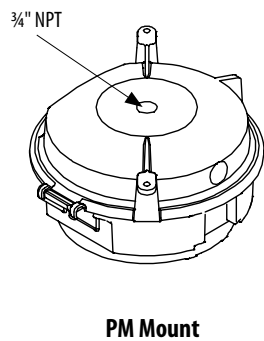
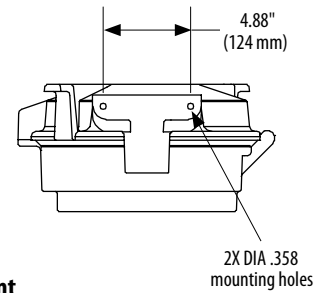
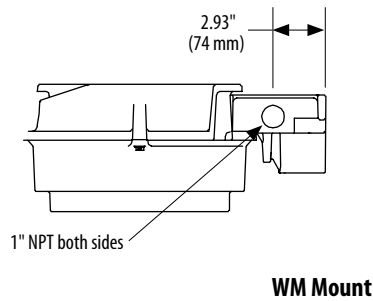
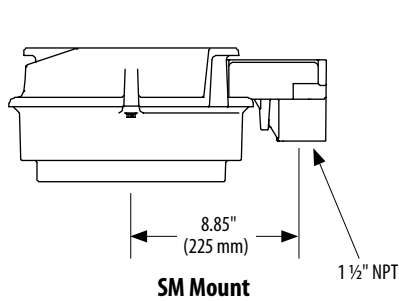
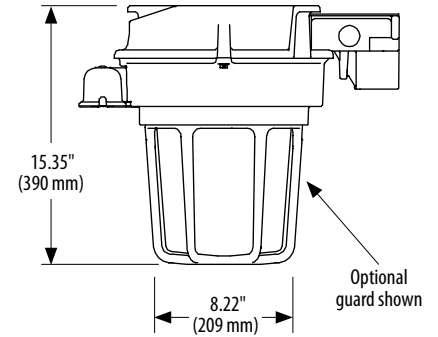
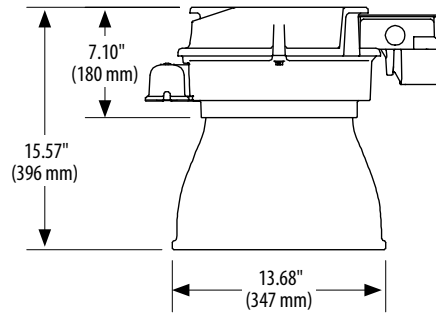
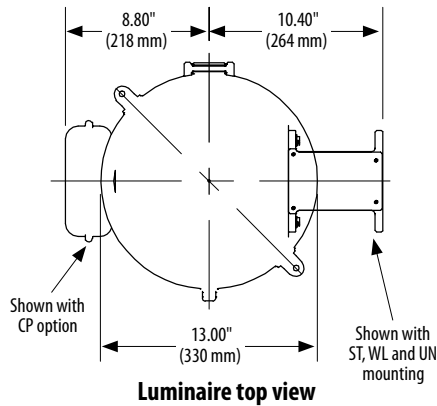
Typical Applications

- Petroleum Refineries
- Ethanol Facilities
- Chemical Plants
- Waste Water & Water Treatment Plants
- Power Generation Plants
- Food Processing (Confectionary)
- Paper Mills
- Coal & Dust Storage

Dimensions: Inches (millimeters) unless otherwise noted.

Diameter: 19.0 (482)
Height: 15.35–15.57 (390–396)
Weight: 35 lbs. (15.42 kg)

DIMENSIONAL DATA



ORDERING INFORMATION

Example: P3M 70S 6630 TB CWI PM

Series	Lamp Type	Optical Assembly	Voltage	
P3M	70S 70W High pressure sodium	6630 6630 Enclosed Reflector	120 120V	TB Multi-tap Ballast (120, 208, 240, 277V)
	70M 70W Metal halide	4541 4541 Long and Narrow Refractor	208 208V	TB1 Multi-tap Ballast Wired for 120V
	100S 100W High pressure sodium	4545 4545 Symmetric Refractor	240 240V	TB2 Multi-tap Ballast Wired for 208V
	100M 100W Metal halide	4545F 4545 Refractor with Forward Throw Reflector	277 277V	TB3 Multi-tap Ballast Wired for 240V
	150S 150W High pressure sodium		347 347V	TB4 Multi-tap Ballast Wired for 277V
	175PM 175W Pulse metal halide	FDZ FDZ Enclosed Reflector	480 480V	

Ballast	Mounting	Options
HXP HX - High Reactance Autotransformer	CM Ceiling	CPM External Capacitor Module
CWA CWA - Constant Wattage Autotransformer	PM Pendant	DF Double Fuse ‡
CWI CWI - Constant Wattage Isolated Secondary	SM Stanchion	EMD Ingress/Egress Marker Decal
	UNM Universal ‡	NL NEMA Label ‡
	WM Wall	PS Protected Starter ‡
		SF Single Fuse ‡
		USPOM Assembled in the US
		WGX Installed Wire Guard ‡

Accessories
HSCXX Xft Safety Chain Kit ‡
P3MGA Wire guard for refractors ‡
P3MGC Wire guard for reflectors ‡
P3US DGXD Universal mount arm, gray ‡
RK3P3M 4541 LENS Replacement long and narrow refractor
RK3P3M 4545F LENS Replacement symmetric or 45F forward throw refractor
RK3P3M 6630 LENS Replacement 30C reflector
RK3P3M FDZ LENS Replacement FDZ reflector
RK8P3M F1FUS10D Replacement 10 AMP, 600V single fuse kit for 120, 240, 277, 347, TB1, TB3, TB4 voltage options.
RK8P3M F2FUS10D Replacement 10 AMP, 600V double fuse kit for 208, 240, 480, TB2, TB3 voltage options.
RK8P3M PS55 Replacement protected starter ‡

‡ Option Value Ordering Restrictions	
Option value	Restriction
DF	Available with 208, 240, 480V, 347V, TB2 or TB3. Not available for Canada.
HSCXX	X denotes length. Available in multiple sizes. Replace X with size in inches. Available in 36", 72", and 120" lengths. Example: SCK120 = 120 inches or 10 feet
NL	Available with 70W, 100W, 150W HPS and 70W, 100W, 175W PM only.
P3MGA	Available with 4541, 4545 and 4545F optics only.
P3MGC	Available with 6630 and FDZ optics only.
P3US DGXD	Available with UNM only.
PS	Available with 70S and 100S when ordered with HXP ballast only.
RK8P3M PS55	Available with high pressure sodium lamps only. Not available with CWI ballast.
SF	Available with 120, 240, 277, 347V, TB1, TB3 or TB4 only. Not available for Canada.
UNM	For wall/stanchion capability, must order P3US accessory.
WGX	Available with 4541 and 4545 optical assemblies only.

OPERATIONAL DATA

Source and Wattage

Wattage	Source	Ballast Type	Voltage
70	70M	HXP	TB1, TB2, TB3, TB4, TB
	70S	HXP	480, TB1, TB2, TB3, TB4, TB
		CWA	120, 277
		CWI	208, 240
100	100M	HXP	480, TB1, TB2, TB3, TB4, TB
		CWA	120, 277
	100S	HXP	480, TB1, TB2, TB3, TB4, TB
		CWA	208, 240, 277, 480
		CWI	208, 240
150	150S	HXP	480, TB1, TB2, TB3, TB4, TB
		CWI	208, 240
175	175PM	CWA	480, TB1, TB2, TB3, TB4, TB

OPERATIONAL DATA

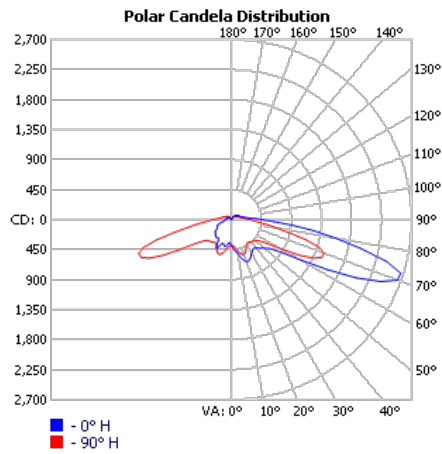
Operating Temperature Codes for Hazardous Locations:

Package ¹	Max Ambient Rating	Class 1 Division 2, Groups A, B, C, D	Class 2, Division 1 & 2 Groups E, F, G	Class 3	Simultaneous Presence: Class 1 Division 2 & Class 2 Division 1
P3M 70S	55°C	T3A	T5	T5	T3A
P3M 70M	55°C	T2C	T4	T4	T2A
P3M 100S	55°C	T2D	T4A	T4A	T3
P3M 100M	55°C	T2A	T4A	T4A	T2B
P3M 150S	55°C	T2B	T4A	T4A	T2B
P3M 175PM	55°C	T2A	T4	T4	T2A

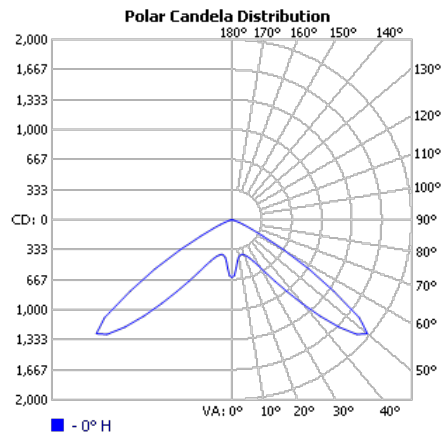
Notes

Supply wire temperature is 90°C

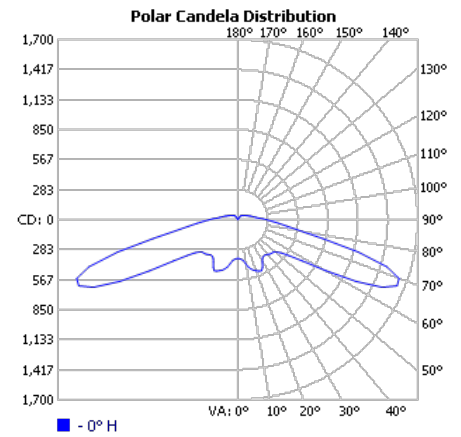
DISTRIBUTION DATA



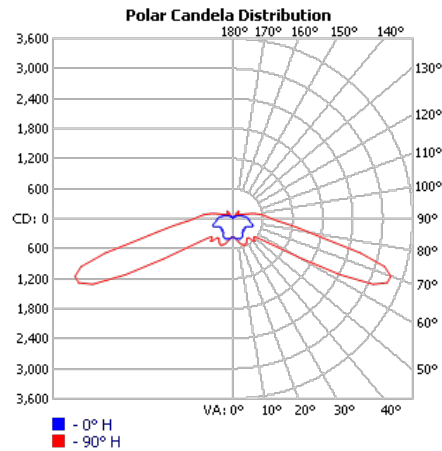
4545F optic with 70w HPS



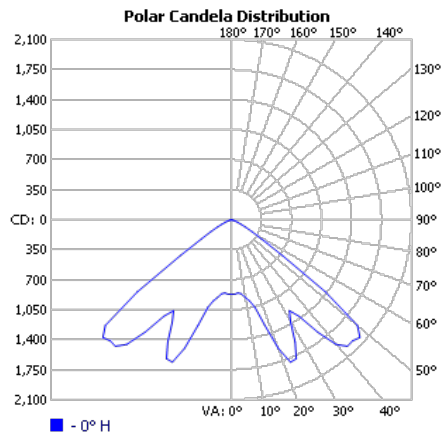
FDZ optic with 70w HPS



4545 optic with 70w HPS



4541 optic with 70w HPS



6630 optic with 70w HPS