

PMOO Series

Hazardous Location LED Luminaire

Product Description:

The PMOO Series LED Luminaire can be used in locations made hazardous by the presence of flammable vapors, gases, or combustible dusts as defined by the NEC, Atex, CNEX, and CSA. The PMOO Series is IP66 and IK10 rated. An adjustable U-Bracket and pendant mounting are standard.

Features:

- Heavy-duty and high impact resistance
- Replaceable LED board and driver
- Standard U bracket and 1 meter cord
- 3 Hour Emergency battery backup available 100-400W sizes
- Tempered glass lens standard with opal globe and guard option available for wider distribution and protection.
- Various mounting options include: pendant mount, wall mount, stanchion, or surface mount.
- Standard 120-277V, Available options include
 - 277-480V
 - 12-48VDC
- Operating Temperature:
 - 20 - 80W : -40°C - 50°C (-40°F - 122°F)
 - 100 - 400W : -40°C - 40°C (-40°F - 104°F)
- Housing: A383 Die Cast Aluminum
- Gasketing: Fluorosilicone Rubber
- Hardware: Stainless Steel 304
- Finish: Polyester Powdercoat (Marine Rated)
- Lens: Tempered Glass
- LED Chips: Philips
- Driver: Meanwell
- Surge Protection: 10KV
- Expected Life: Over 85,000 hrs.
- Rating: IP66 & IK10
- Color Rendering Index (CRI): 70

Applications

- Power Plants / Heavy Industrials Storage Facility
- Paper Mills / Wastewater Treatment Plants
- Loading Docks / Platforms / Shipyards
- Chemical Processing Facility
- Petrochemical Processing Facility
- Mining
- Ocean Marine
- LNG facilities
- Metal Industry
- Food and distilling
- Alcohol Industry
- Steel and aluminum factories



5 Year and 10 Year Warranties Available



BAA and TAA available. Contact factory for more information and pricing.



Pendant Mounting standard



Globe & Guard option



Standard U-Bracket

Compliance

UL 844 Hazardous Locations North America

- Class I, Division 2, Groups A, B, C, D
- Class II, Division 1, Groups E, F, G
- Class II, Division 2, Groups F, G
- Class III

Marking Atex

- II2 G Ex mb eb IIC T4 Gb
- II2 D Ex tb IIIC T135°C Db IP66
- II3 G Ex ec IIC T3C Gc
- II2 D Ex tb IIIC T135°C Db IP66

Marking ICEX

- Ex mb eb IIC T4 Gb
- Ex tb IIIC T135C Db IP66
- Ex ec IIC T3C Gc
- Ex tb IIIC T135C Db Ip66

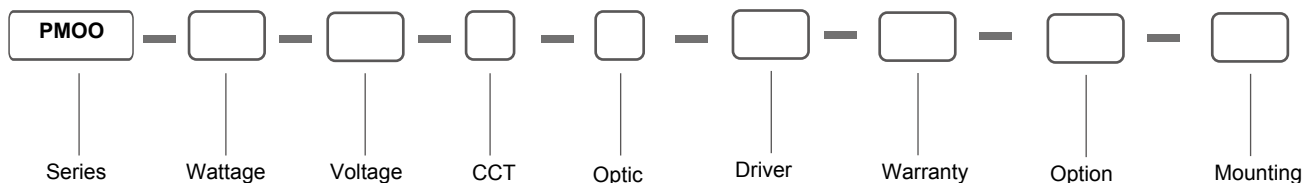
Marking Marine

- UL1598, UL1598A
- ABS

Other Markings / Standards

- IP66
- IK10 (Impact)

Ordering Information



SERIES	WATTAGE	VOLTAGE	COLOR TEMP	OPTIC	DRIVER	WARRANTY
PMOO	2 = 20W	A = AC100-277V	S = 3000K	M = 40°	D = 0-10V Dimming	5Y = Five Year Warranty
	4 = 40W	B = AC200-480V	I = 4000K	N = 60°	ND = No Dimming	10Y** = Ten Year Warranty**
	6* = 60W*	C = 12-48VDC	C = 5000K	O = 90°		**Please contact factory for 10yr warranty option
	6L* = 60W*		K = 6000K	P = 120°		
	8 = 80W					
	10 = 100W					
	12 = 120W					
	15 = 150W					
	20 = 200W					
	25 = 250W					
	30 = 300W					
	35 = 350W					
	40 = 400W					

*6 (60W) dimensions = 9.06x9.06x8.99
 *6L (60W) dimensions = 10.6x10.6x10.5in

OPTION

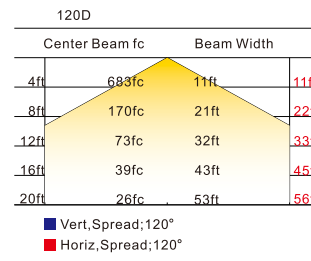
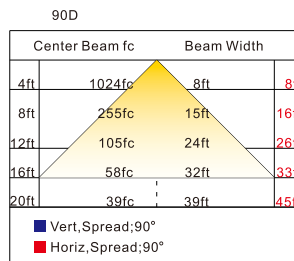
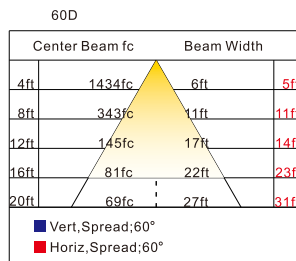
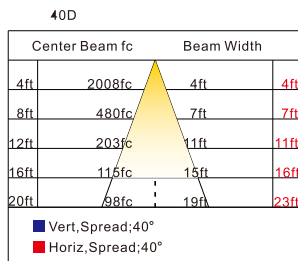
EM = Emergency Battery Backup (100-400W)
 CG = Clear Globe
 FG = Frosted Globe
 WG = Wire Guard
 CGG= Clear Globe w/ Wire Guard Frosted
 FGG= Globe w/ Wire Guard
 DREF= Dome Reflector
 AREF= Angle Reflector
 BAA*** = Buy American Act Compliant**
 TAA*** = Trade Agreements Act Compliant**

**Please contact factory for BAA and TAA options.

MOUNTING / ACCESSORIES

OPEB = Junction Box
 OPCM = Ceiling / Surface Mounting & Junction Box: 3/4" NPT
 OPWA = 90° Wall Mount
 OPWA25= 25° Wall Mount & Junction Box: 3/4" NPT
 OPWA90= 90° Wall Mount & Junction Box: 3/4" NPT
 OPSP25= 25° Pole Mount: 1-1/2" NPT
 OPSP90= 90° Pole Mount: 1-1/2" NPT

Photometric

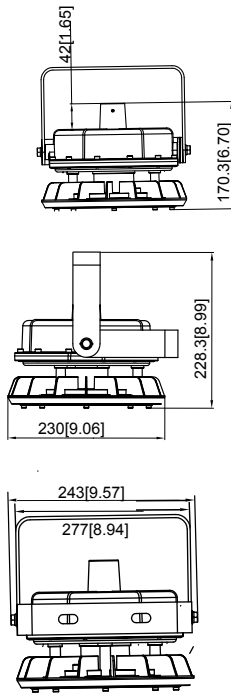


Lumen Chart

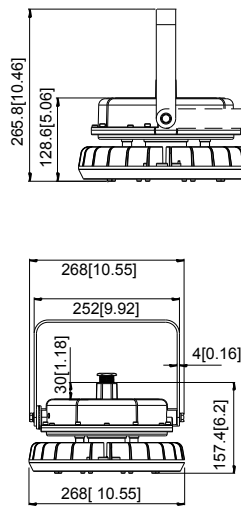
	5000K		5000K
20W	2,700 lm	250W	35,000 lm
40W	5,400 lm	300W	42,000 lm
60W	8,100 lm	350W	49,000 lm
80W	10,800 lm	400W	56,000 lm
100W	13,500 lm		
150W	20,250 lm		
200W	27,000 lm		

Product Dimensions

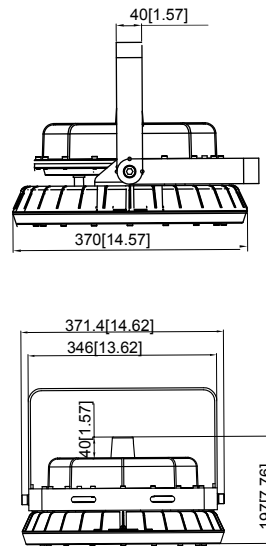
20W - 40W - 60W



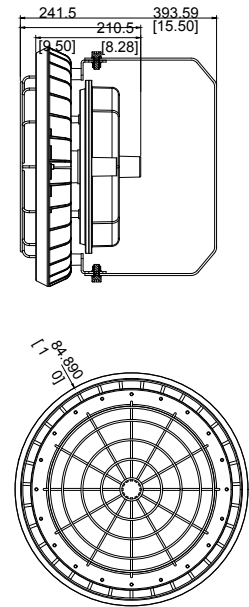
60W - 100W



100W - 200W

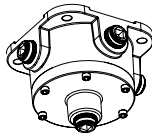


250W - 400W

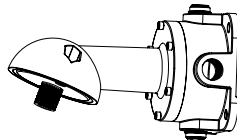


Mounting Accessories

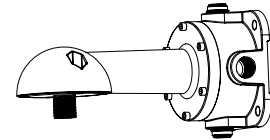
OPEB: Junction Box



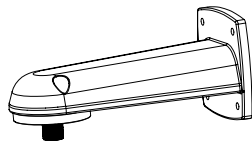
OPWA25: 25° Wall Mount & Junction Box



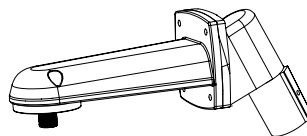
OPWA90: 90° Wall Mount & Junction Box



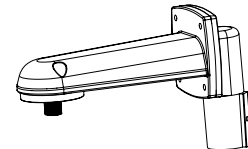
OPWA: 90° Wall Mount



OPPS25: 25° Pole Mount



OPPS90: 90° Pole Mount

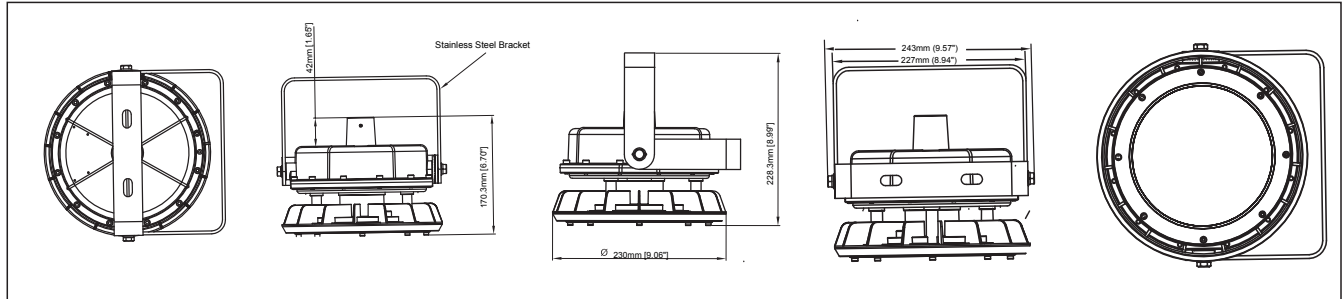


Mechanical Structure

Unit: mm or inch

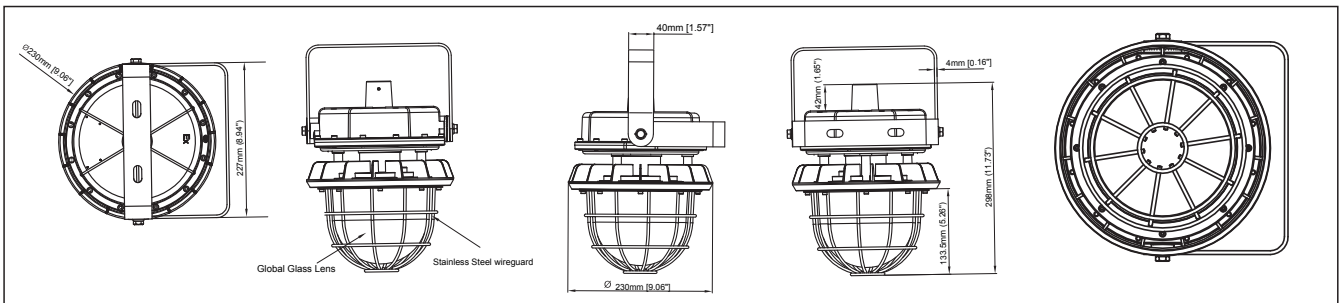
20 Watt & 40 Watt Version

Standard Bracket and Flat Glass Lens



Standard Bracket and Wireguard

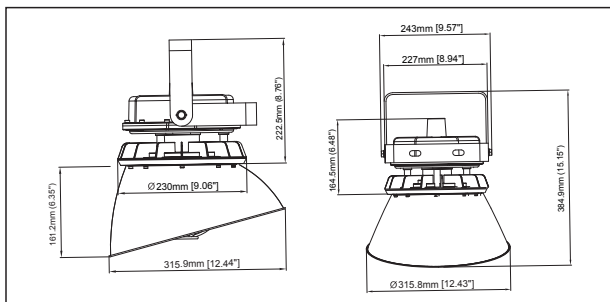
1.Bracket, Glass Lens, Wireguard and flat LED module.



This structure type with bracket, global glass lens and wireguard to generate 180° light distribution.

30° Angle Dome Reflector

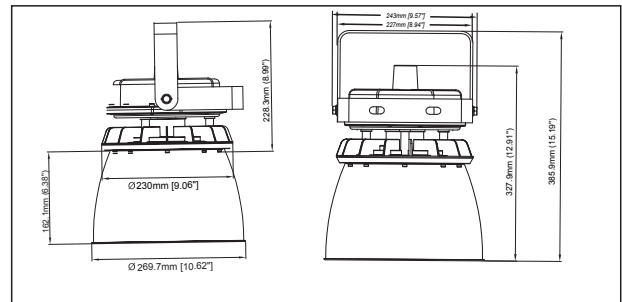
1, Bracket, Global Glass Lens, flat LED module and 30° cut off angle reflector.



This structure can make the lighting distribution more concentrated for special beam angle.

Dome Reflector

1, Bracket, Global Glass Lens, flat LED module and dome reflector



This structure can make the lighting distribution more concentrated.