Project:	
Type:	
Catalog #:	

Hazardous Location LED Luminaire

FME Earth-Series

Product description

The Earth-Series LED Luminaire can be used in locations made hazardous by the presence of flammable vapors or gases or combustible dusts as defined by the NEC. The Earth Series is rated for Class 1, Division 1; Class 1, Division 2; Class 2, Division 2; Class 3 applications. The copper free cast aluminum housing allows for cool operating temperatures.

Features

- High efficacy: up to 140lm/W
- Color temperature: 3000K, 4000K, 5000K, 6000K
- Variable optics 40° 60° 90° 120° for uniform illumination
- Copper free aluminum
- High vibration resistance
- Low maintenance costs
- Dimmable and battery back up function available.
- Up to 5 years limited warranty option.
- Standard 2ft cable out of $^{3}/_{4}$" threaded hub on top of fixture
- Trunnion Mount (Wall, Ceiling & Floor) Standard
- **Housing:** A383 Die Cast Aluminum
- **Gasketing:** Fluorosilicone Rubber
- **Hardware:** Stainless Steel 304
- **Finish:** Polyester Powdercoat
- **Lens:** Tempered Glass
- **Expected Life:** Over 85,000 hrs.
- **Rating:** IP66 & IK10
- **Color Rendering Index (CRI):** 70
- **Operating Temp:**
  - 20-150W: -40°C to +55°C
  - 180-200W: -40°C to +45°C
- **Relative Humidity:** 0-90% RH
- **Power Factor:** >.95
- **Input Line Voltage:**
  - 90-305
  - 200-525 VAC
- **Input Line Frequency:** 50/60 Hz
- **LED Chips:** Philips
- **Driver:** Meanwell
- **Surge Protection:** 10KV
- **DC Output Ripple & Noise:** <200mVP-P
- **T-Rating:** T4

Compliance

UL 844 Hazardous Locations North America

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

Marking Marine

- UL1598A
- ABS

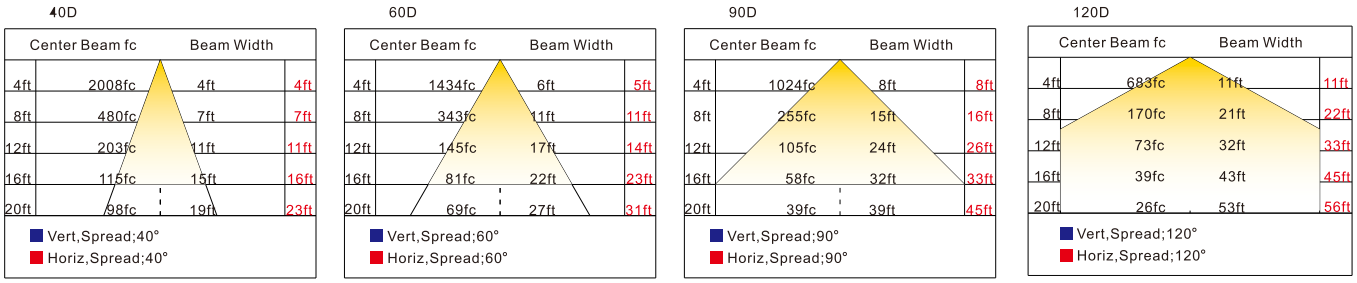
Other Markings / Standards

- IP66
- IK10

Applications

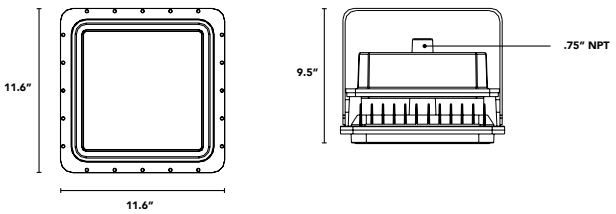
- Power Plants / Heavy Industrials Storage Facility
- Paper Mills / Wastewater Treatment Plants
- Loading Docks / Platforms / Shipyards
- Chemical Processing Facility
- Petrochemical Processing Facility
- Mining
  Ocean Marine
- LNG facilities
- Metal Industry

Photometric

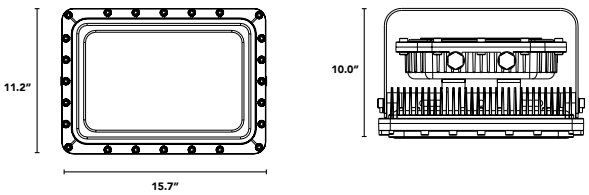


Product Dimensions

20W - 40W - 60W - 80W



100W - 150W - 180W - 200W

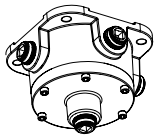


Lumen Chart

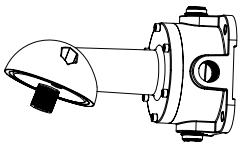
	3500K	4000K	5000K	5700K
20W	2,400 lm	2,560 lm	2,700 lm	2,800 lm
40W	4,800 lm	5,120 lm	5,400 lm	5,600 lm
60W	7,200 lm	7,680 lm	8,100 lm	8,400 lm
80W	9,600 lm	10,240 lm	10,800 lm	11,200 lm
100W	12,000 lm	12,800 lm	13,500 lm	14,000 lm
150W	18,000 lm	19,200 lm	20,250 lm	21,000 lm
180W	21,600 lm	23,040 lm	24,300 lm	25,200 lm
200W	24,000 lm	25,600 lm	27,000 lm	28,000 lm

Mounting Accessories

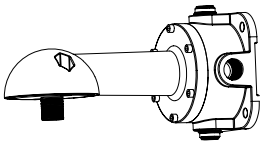
OPEB: Junction Box



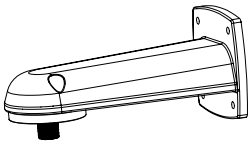
OPWA25: 25° Wall Mount & Junction Box



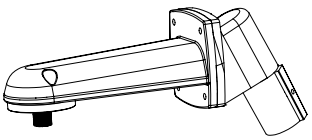
OPWA90: 90° Wall Mount & Junction Box



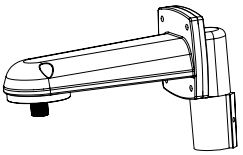
OPWA: 90° Wall Mount



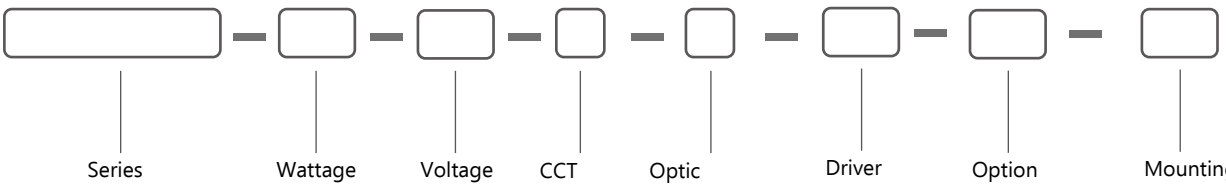
OPPS25: 25° Pole Mount



OPPS90: 90° Pole Mount



Ordering Information



SERIES	WATTAGE	VOLTAGE	COLOR TEMP	OPTIC	DRIVER	OPTION
FME-EAT	2 = 20W 4 = 40W 6 = 60W 8 = 80W 10 = 100W 12 = 120W 15 = 150W 20 = 200W	A = AC100-277V B = AC200-480V C = 12-48VDC	S = 3000K I = 4000K C = 5000K K = 6000K	M = 40° N = 60° O = 90° P = 120°	D = 0-10V Dimming ND = No Dimming	EM = Emergency Battery Backup

NOTES

- 20W, 40W, 60W & 80W Only Available in A 110/277V
- *35K Available; Please Consult Factory for Lead Times
- **Mounting Not Available in 100W, 150W, 180W & 200W

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**
OPPS25	=	25° Pole Mount: 1-1/2" NPT**
OPPS90	=	90° Pole Mount: 1-1/2" NPT**