Hazardous Location
FME Pluto-Series

Product description

The Pluto-Series LED Luminaire can be used in locations made hazardous by the presence of flammable vapors, gases or combustible dusts or fibers as defined by NEC, ATEK, IECEX. The Pluto series housing is die-cast aluminum and bolts / brackets are stainless steel. Pendant mount is standard along with U-bracket wall mount. The lens is polycarbonate spherical lens. Emergency battery backup is available.

Features

- Heavy-duty and high impact resistance
- Three connection cable entry points
- Dimmable and non-dimmable options available.
- Emergency battery backup available with integrated junction box for driver.
- Various mounting options include: pendant mount, wall mount, stanchion, or surface mount.
- Standard 120-277V, Available options include
  - 277-480V
  - 12-36VDC
- **Housing:** A383 Die Cast Aluminum
- **Gasketing:** Fluorosilicone Rubber
- **Hardware:** Stainless Steel 304
- **Finish:** Polyester Powdercoat
- **Lens:** Polycarbonate

- **Expected Life:** Over 85,000 hrs.
- **Rating:** IP66 & IK10
- **Color Rendering Index (CRI):** 70
- **Operating Temp:** -40°C – +60°C
- **Relative Humidity:** 10-90% 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:** T3

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

- Il3 G Ex ec IIC T5/T6 Gc
- Il2 D Ex tb IIIC T80/100° C Db IP66

Marking ICEX

- Ex ec IIC T5/T6 Gc
- Ex tb IIIC T80/100°C Db IP66

Marking Marine

- UL1598, UL1598A
- ABS

Other Markings / Standards

- IP66

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

Product Dimensions

20W

5.8"
4.7"
9.50"
.75" NPT
23.6"

40W - 50W - 60W

5.8"
4.7"
9.50"
.75" NPT
47.2"

Photometric

120D

	Center Beam fc	Beam Width	
10ft	25fc	30ft	34ft
20ft	6fc	59ft	67ft
30ft	3fc	89ft	100ft
40ft	1fc	148ft	134ft
50ft	0.6fc	178ft	168ft

■ Vert,Spread;120°
■ Horiz,Spread;120°
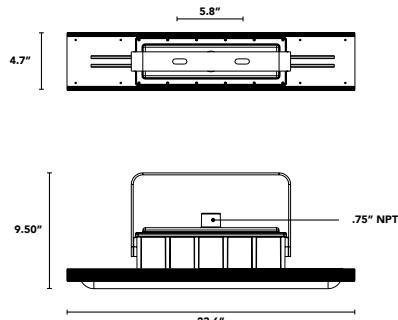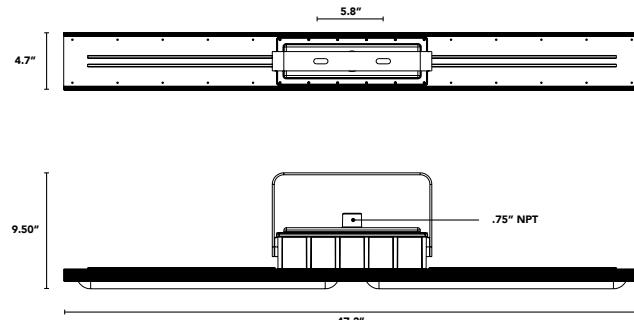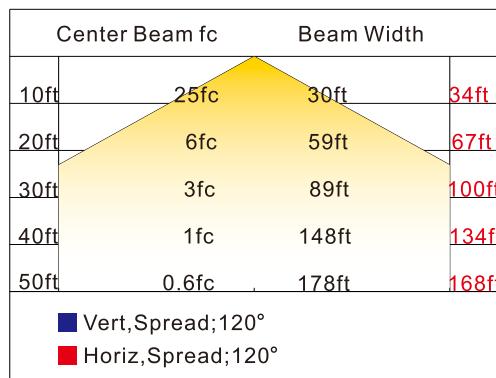
Lumen Chart

	3500K	4000K	5000K	5700K
20W	2,000 lm	2,560 lm	2,700 lm	2,800 lm
40W	4,800 lm	5,120 lm	5,400 lm	5,600 lm
50W	6,000 lm	6,400 lm	6,750 lm	7,000 lm
60W	7,200 lm	7,680 lm	8,100 lm	8,400 lm
80W			11,200 lm	

OPEB: Junction Box
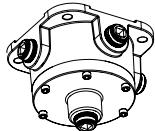
Ordering Guide

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Series   Length   Wattage   Voltage   CCT   Driver   Options
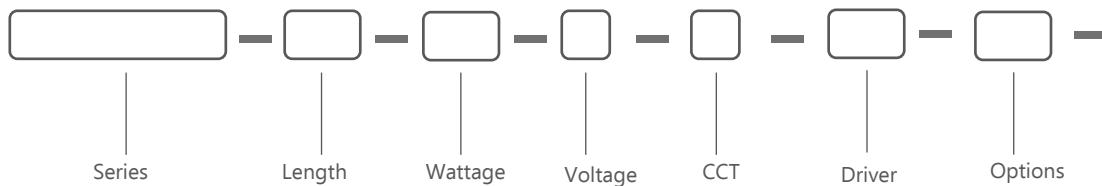
SERIES	LENGTH	WATTAGE	VOLTAGE	COLOR TEMP	DRIVER	OPTION
FME-PLU	2^1 = 2' 4 = 4'	2 = 20W 3 = 30W 4 = 40W 5 = 50W 6 = 60W 8 = 80W	A=AC 100-277V B=AC 277-480V	S^2 = 3000K I = 4000K C = 5000K K = 6000K	D = Dimmable ND = Non-Dimmable	EM^3 = 90 Minute Emergency Opertation CL = Cable Length (Specify Length) OPEB = Junction Box

Notes

1. 2' Version available in 20W / 30W / 40W (60W AVAILABLE IN 2' AND 4' VERSIONS).
2. Contact factory for custom color temperatures (<3000K / >6000K).
3. Contact factory for battery backup dimensions