



Hazardous Location/explosion proof LED FME Pluto-Series (Pendant Mount)

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, ATEX, IECEx. The Pluto series can also in heavy duty environments where dust, water, vibration and corrosion exist. The housing is die-cast aluminum. Bolts and brackets are stainless steel. Pendant mount and u-bracket wall mount come standard. The Pluto can also be pole mounted. The lens is Poly Spherical or flat glass. Emergency battery backup is available.

Features



- High efficacy: up to 140lm/W
- CRI>70
- Surface mounting and pendant installation
- Wide and narrow optics for uniform illumination Copper free aluminum
- High vibration resistance
- Variable optics
- Temperature rating -40C-60C
- Warranty 5 years
- L70 + 150,000 hours

Compliance

NEC/CEC Standard

- NEMA 4X, IP66, IK10
- UL1598/UL1598A/UL844
- CSA C22.2 No.137/N o.250.0
- 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
- Marine and Wet Locations
- 5 years or other warranty period
- ABS, DNV Type approved
- L70 rating for more than 150000 hours
- ATEX, IECEx approved
- Zone 21, zone 2/22

Application

- All Petrochemicals
- LNG Industry
- Mining
- Chemical Processing
- Ocean Marine
- Metal Industry
- Food/Beverage
- Water Treatment
- Pulp&Paper
- Power Generation

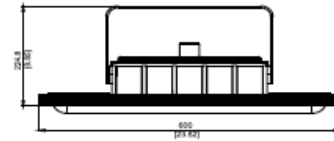
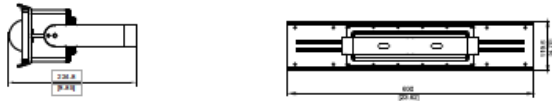
Warranty

5-Year Standard Warranty

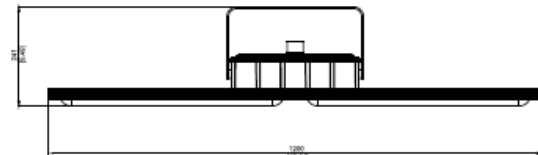
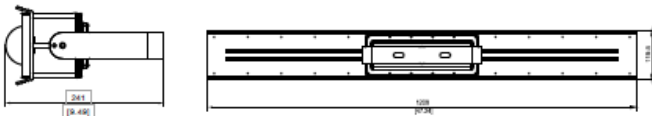
Mechanical Structure

Unit: mm or inch

Model H2:

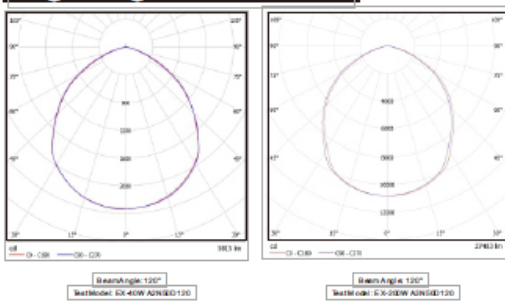


Model H4:



This structure type with bracket and PC diffuser to generate 120° light distribution.

Lighting Distribution



Installation Manual

READ INSTRUCTIONS CAREFULLY BEFORE INSTALLING. KEEP THIS INSTRUCTIONS FOR FUTURE REFERENCE.

Fixtures must be wired in accordance with the National electrical code and all applicable local codes. Proper grounding is required for safety.

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY QUALIFIED ELECTRICIAN WHO IS FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDOUS INVOLVED.

Warning: Risk of fire or electric shock. Linear light installation requires knowledge of luminaires and electrical systems. DO NOT open the enclosure when energized. DO NOT try to install if not qualified. Please contact a professional electrician.

Warning: Risk of fire or electric shock. Suitable for wet locations. Make sure the power is off prior to installation.

Warning: Risk of fire or electric shock. Suitable for non-insulated surface and frame. DO NOT cover fixture with insulation liner or similar material.

Warning: DO NOT install in unstable, loose or breakable surfaces.

Warning: DO NOT let objects impact or exert force on the surface of the fixture.

All Right Reserved

Basic Data

Part Number	Wattage	CCT	Voltage Options	Lumens	Warranty	CRI	Emergency Time (Option)
FME-PLU-10 (2')	10	2700K-7000K	AC: 100 - 277V <input type="checkbox"/> AC: 200 - 480V <input type="checkbox"/>	1400	5 years	70+	3 hours
FME-PLU-20 (2')	20			2800			
FME-PLU-30 (2')	30			4200			
FME-PLU-40 (4')**	40			5600			
FME-PLU-50 (4')	50			7000			
FME-PLU-60 (4')**	60			8400			

** Factory Stock

2'



4'



Explosion Protection

Marking ATEX



II 3 G Ex nR IIC T5/T6 Gc
II 2 D Ex op is tb IIIC T95°C/T80°C Db IP66

Marking IECEx

Ex nR IIC T5/T6 Gc
Ex op is tb IIIC T95°C/T80°C Db IP66

Marking UL844

(North American)

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

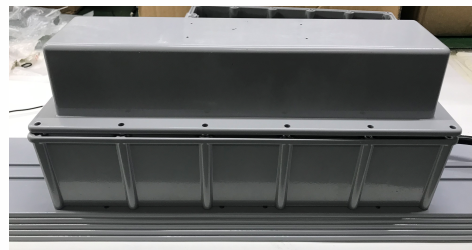
Marking Marine

UL 1598A
ABS and DNV Type Approved

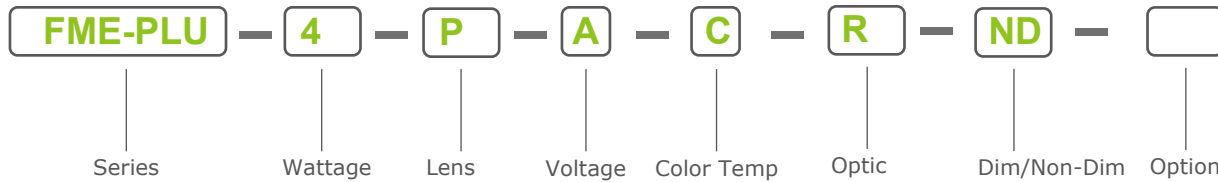
Other Rating

IP 66
IK 10

Emergency Battery Back up



Ordering Information and Mounting Accessories



SERIES	WATTAGE	LENS	VOLTAGE	COLOR TEMP	OPTIC	DIM/NON-DIM	OPTION
FME-PLU	1=10W 2=20W 3=30W 4=40W 5=50W 6=60W	P=Poly (STD) G=Glass Flat	A=AC100-277V B=AC277-480V	I= 4000K C= 5000K K= 6000K	R= 120° U=90 D=60 S=40	D=Non-Dimmable D=Dimmable	BLANK=Standard EM=Emergency Back up MS=Motion Sensor

Accessories

	<ul style="list-style-type: none"> Model: X-J1 Junction01 Name: Junction Box Material: Aircraft Aluminum A383 		<ul style="list-style-type: none"> Model: X-HOOK Hook Name: Installation Hook Material: Aircraft Aluminum A383 		<ul style="list-style-type: none"> Model: X-C01 Conduit01 Name: Metal Conduit Material: Stainless Steel and Aluminum
	<ul style="list-style-type: none"> Model: X-WP WPipe Name: Winding Swing Pipe Material: Iron with Power Coating 		<ul style="list-style-type: none"> Model: X-PIPE SPIpe Name: Winding Swing Pipe Material: Iron with Power Coating 		<ul style="list-style-type: none"> Model: X-PD Name: Pendant Direction Adapter Material: Aircraft Aluminum A383
	<ul style="list-style-type: none"> Model: X-ARM MArm Name: Surface Mounting Arm Material: Aircraft Aluminum A383 		<ul style="list-style-type: none"> Model: X25PS 25PSupport Name: 25 Degree Pole Support Material: Aircraft Aluminum A383 		<ul style="list-style-type: none"> Model: X-90P 90PSupport Name: 90 Degree Pole Support Material: Aircraft Aluminum A383
	<ul style="list-style-type: none"> Model: X-ARM-90 90JSupport Name: 90° Arm to Junction box Material: Aircraft Aluminum A383 		<ul style="list-style-type: none"> Model: X25JS 25JSupport Name: 25° Arm to Junction box Material: Aircraft Aluminum A383 		<ul style="list-style-type: none"> Model: X-DARM DArm Name: Direct Mounting Arm Material: Aircraft Aluminum A383
	<ul style="list-style-type: none"> Model: X-CHAIN Name: Pendant Chain Material: Stainless Steel S30400 				

Class I locations are those in which inflammable gases or vapors are or may be present in sufficient quantities to produce explosive or flammable mixtures.

CLASS I, DIVISION 1

Class I, Division 1 locations are where hazardous atmosphere may be present during normal operations. It may be present continuously, intermittently, periodically or during normal repair or maintenance operations, or those areas where a breakdown in processing equipment releases hazardous vapors with the simultaneous failure of electrical equipment.

CLASS I, DIVISION 2

Class I, Division 2 locations are those in which volatile flammable liquids or gases are handled, processed or used. Normally they will be confined within closed containers or in closed systems from which they can escape only in the case of rupture or deterioration of the containers or systems.

Class II Locations

Class II locations are those that are hazardous because of the presence of combustible dust.

CLASS II, DIVISION 1

Class II, Division 1 locations include areas where combustible dust may be in suspension in the air under normal conditions in sufficient quantities to produce explosive or ignitable mixtures (Dust may be emitted into the air continuously, intermittently or periodically), or where failure or malfunction of equipment might cause a hazardous location to exist and provide an ignition source with the simultaneous failure of electrical equipment, included also are locations in which combustible dust of an electrically conductive nature may be present.

CLASS II, DIVISION 2

Class II, Division 2 locations are those in which combustible dust will not normally be in suspension nor will normal operations put dust in suspension, but where accumulation of dust may interfere with heat dissipation from electrical equipment or where accumulations near electrical equipment may be ignited.

Class III Locations

Class III locations are those considered hazardous due to the presence of easily ignitable fibers of flyings, which are in quantities sufficient to produce ignitable mixtures.

CLASS III, DIVISION 1

Locations in which easily ignitable fibers or materials producing combustible flyings are handled, manufactured or used.

CLASS III, DIVISION 2

Locations where easily ignitable fibers are stored or handled.