



## Hazardous Location/Explosion Proof LED

### FME Sun-Series Pendant/ side mount

## Product description



The Sun 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 Sun Series can also be used 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 or side (feed through) is standard. An adjustable U-Bracket comes standard. The Sun Series can also be pole or chain mounted. The lens is flat tempered glass. Emergency battery backup is available.

## Features

- High efficacy: up to 140lm/W
- CRI > 70
- Pendant or side (feed through) installation
- Variable Optics
- High vibration resistance
- Temp Rating -40C to +60C (140F) (20-80W models)
- Temp Rating -40C to +40C (104F) (90-120W models)
- 10KV surge protection
- Battery Back up available
- 5 year warranty
- High Quality SMT LED and Meanwell Driver
- Integrated junction box

## Compliance

### NEC/CEC Standard

Class I, Division I, Group C,D  
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  
Zone 1/2, Zone 21/22  
UL 844 Hazardous Locations  
UL 1598/1598A/CAS C22.2 No. 37/  
no.250.0  
UL 8750 LED Safety  
CSA C22.2 No. 250.0-08  
CSA C22.2 No. 137-M1981  
-40°C ( -40°F ) to 130 ( 55°F )  
IP66  
DLC Listed  
CNEX  
ATEX

### Explosion Protection

Marking ATEX	Ex II 2 G Ex db op is IIB T4/T5 Gb II 2 D Ex op is tb IIIC T135°C Db IP66
Marking IECEx	Ex db op is IIB T4/T5 Gb Ex op is tb IIIC T135°C Db IP66
Marking UL844 (North American)	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 F, G Class III
Marking Marine	UL 1598A ABS and DNV Type Approved
Other Rating	IP 66 IK 10

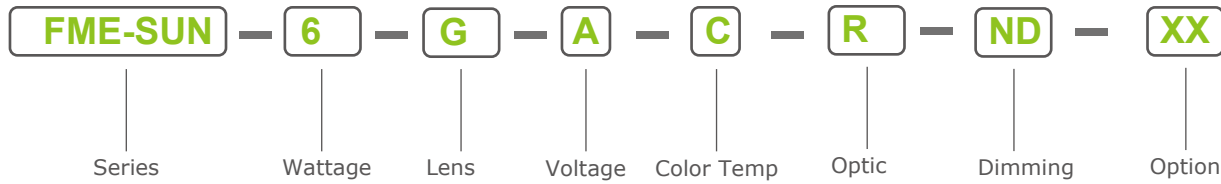
## Applications

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

## Warranty

5-Year Standard Warranty

## Ordering Information and Mounting Accessories



SERIES	WATTAGE	LENS	VOLTAGE	COLOR TEMP	OPTIC	DIM/NON-DIM	OPTION
FME-SUN	2=20W 3=40W * 6=60W * 8=80W * 9=90W 10=100W 11=110W 12=120W	G=Glass Flat (std) GS=Glass Spherical	A=100-277V B=200-480V C=DC 12-36V	I= 4K C= 5K (std) K= 6K	R= 120 (std) S= 90 T= 60 U = 40	D=Dimmable ND=Non-Dim (std)	EM= Battery Backup

\* = Stock

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 or 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.