



Hazardous Location LED Luminaire

FME-Saturn Series



Product description

The Saturn-Series LED Luminaire is designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or NEMA 3 and 4X areas where wind, water, snow or high ambient can be expected. They can be used in locations made hazardous by the presence of flammable vapors or gases or combustible dusts as defined by the NEC.

Saturn Series is ideal for retrofit of existing HPS/MH and offers higher efficacy for increased energy savings, lower maintenance costs and shorter paybacks.

Features

- Low-profile, lightweight design, high quality aluminum housing
- Impact resistant clear lens with Bayer original material
- Stainless steel bracket for ceiling mount
- Professional light distribution, uniform illumination through the entire space
- With single-ended feed-through or double-ended feed-through optional
- Standard 4KV surge protection
- Enclosures attached to back brackets for pendant pole mount, pendant chain mount and 45 degree wall mount. Diffused lens option
- Body:6063 aluminum (less than 0.4%copper content) with grey-painted
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- Best-in-class efficacy-Up to 140 lumens per watt
- Professional light distribution design
- Temperature compensation technology for longer life
- Low maintenance costs and power consumption reduced by over 50%

Compliance

NEC/CEC Standard

Class I, Division 2, Groups A, B, C & D

Class II, Division 2, Groups F & G

Class III

UL 844 Hazardous Locations

UL 1598 Wet Locations

UL 8750 LED Safety

CSA C22.2 No. 250.0-08

CSA C22.2 No. 137-M1981

-40°C(-40°C)to 130 (55°C)

IP66

DLC Listed

CNEX

ATEX

CE&RoHS

IK10

Application

Power Plants / Heavy Industrials

Storage Facility / Paper mills

Wastewater Treatment Plants

Loading Docks / Platforms / Shipyards

Chemical Processing Facility

Petrochemical Processing Facility

Warranty

5-Year Standard Warranty

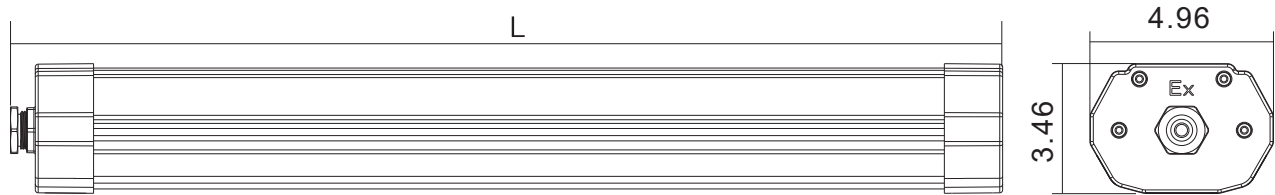
LED lumen Maintenance:

L70 81.1% @ 50,000 Opreation Hours



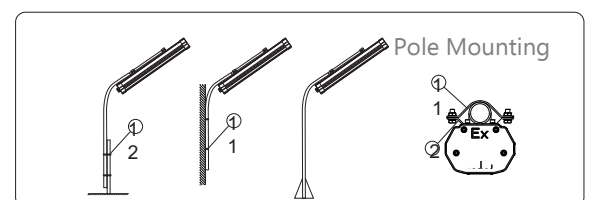
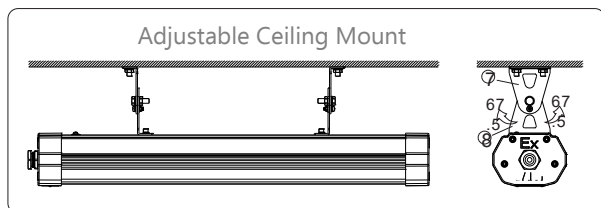
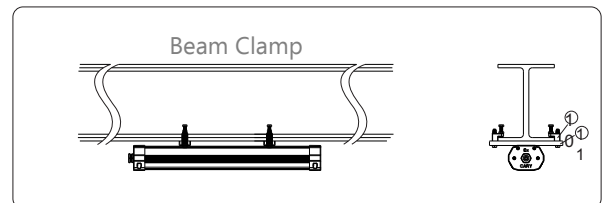
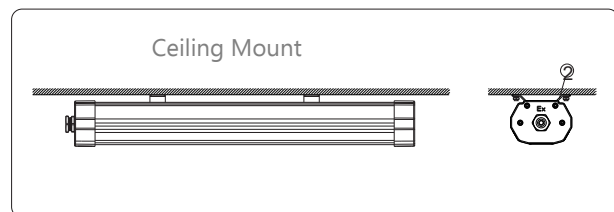
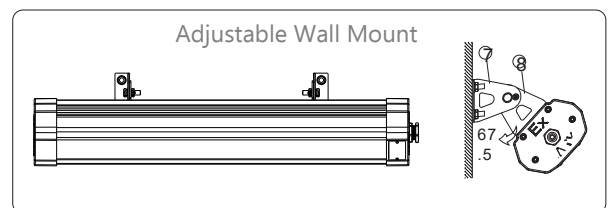
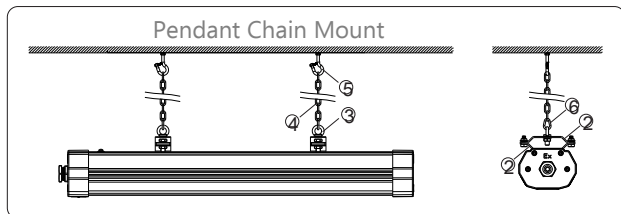
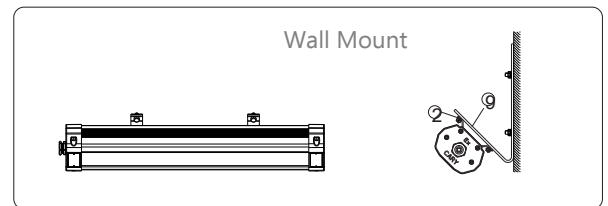
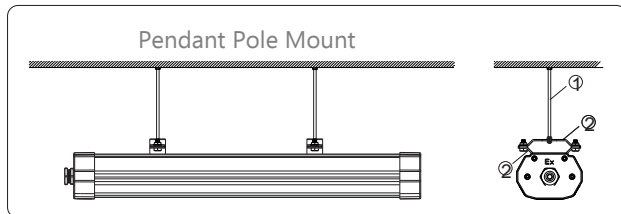
Product Dimensions

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Saturn Series	Dimensions(inches)	Net Weight(lbs.)	Boxed Weight(lbs.)	Shipping Volume(cu. ft.)
2 ft. models	L=26.8	9.48	10.14	0.84
4 ft. models	L=50.4	16.3	17.64	1.53

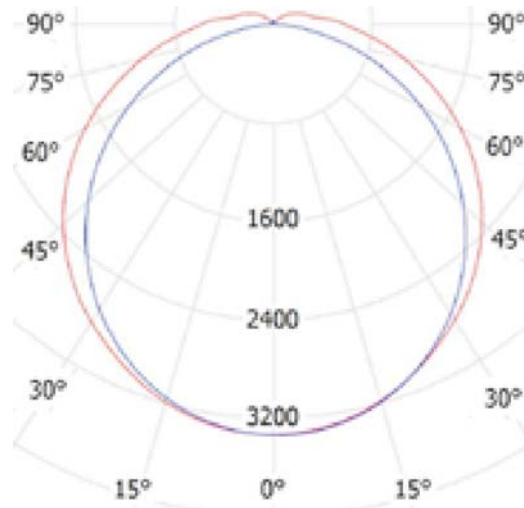
Mounting and Accessories



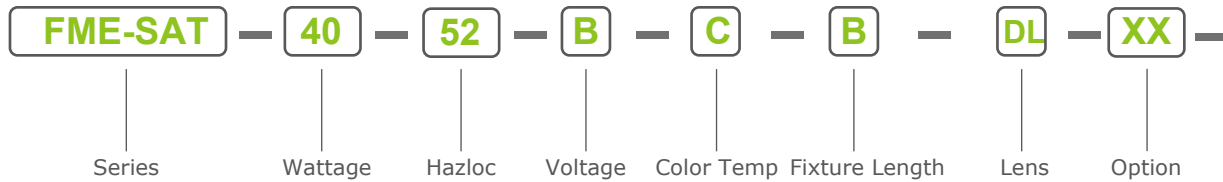
Technical Parameter

Item No.	FME-SAT-40 (Clear Lens)	FME-SAT-40 (ClearLens)	FME-SAT-60 (ClearLens)	FME-SAT-40 (Diffued Lens)	FME-SAT-40 (Diffued Lens)	FME-SAT-60 (Diffued Lens)
Power	36W	36W	56W	36W	36W	56W
Length	2ft	4ft	4ft	2ft	4ft	4ft
Input Voltage	90-305V					
Frequency	50/60Hz					
Lumen	4,212lm	4,680lm	6,944lm	3,456lm	3,888lm	5,824lm
Light Effency	117lm/W	130lm/W	124lm/W	98lm/W	108lm/W	104lm/W
CCT	3000K, 4000K,5000K					
CRI	>74					
IP Rating	IP66					
European Certification	ATEX/CE/ROHS					
US & Canada Certification	UL/CUL/DLC					

Photometric



Ordering Information and Mounting Accessories



<u>SERIES</u>	<u>WATTAGE</u>	<u>HAZLOC</u>	<u>VOLTAGE</u>	<u>COLOR TEMP</u>	<u>Fixture Length</u>	<u>LENS</u>
FME-SAT	40=36W 60=56W	52=CID2	B=90-305V50/60Hz	S= 3000K I= 4000K C= 5000K	2F=2 Foot 4F=4 Foot	LC=Clear Lens DL-Diffused Lens
						<u>OPTION</u>
						OPPP=Pendant Pole Mount OPPC=Pendant Chain Mount OPCA=Ceiling Mount OPBC=Beam Clamp Mount OPPM=Pole Mount OPCB=Ceiling Mount Adjustable OPWA=Wall Mount OPWB=Wall Mount Adjustable

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.