



Hazardous Location LED Luminaire

FME Mars-Series

Product description

The Mars-Series LED Luminaire can be used as a spot light, down light, and tunnel light and is designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or NEMA 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.

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

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
- Professional light distribution design
- Temperature compensation technology for longer life
- Low maintenance costs and power consumption reduced by over 50%
L70 rating 150,000 hours

Compliance

NEC/CEC Standard

Class I, Division I, Groups C,D

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

Class II, Division 1 & 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 140 (60°C)

IP66

DLC Listed

CNEX

ATEX

Application

Power Plants / Heavy Industrials

Storage Facility / Paper mills

Wastewater Treatment Plants

Loading Docks / Platforms / Shipyards

Chemical Processing Facility

Petrochemical Processing Facility

Warranty

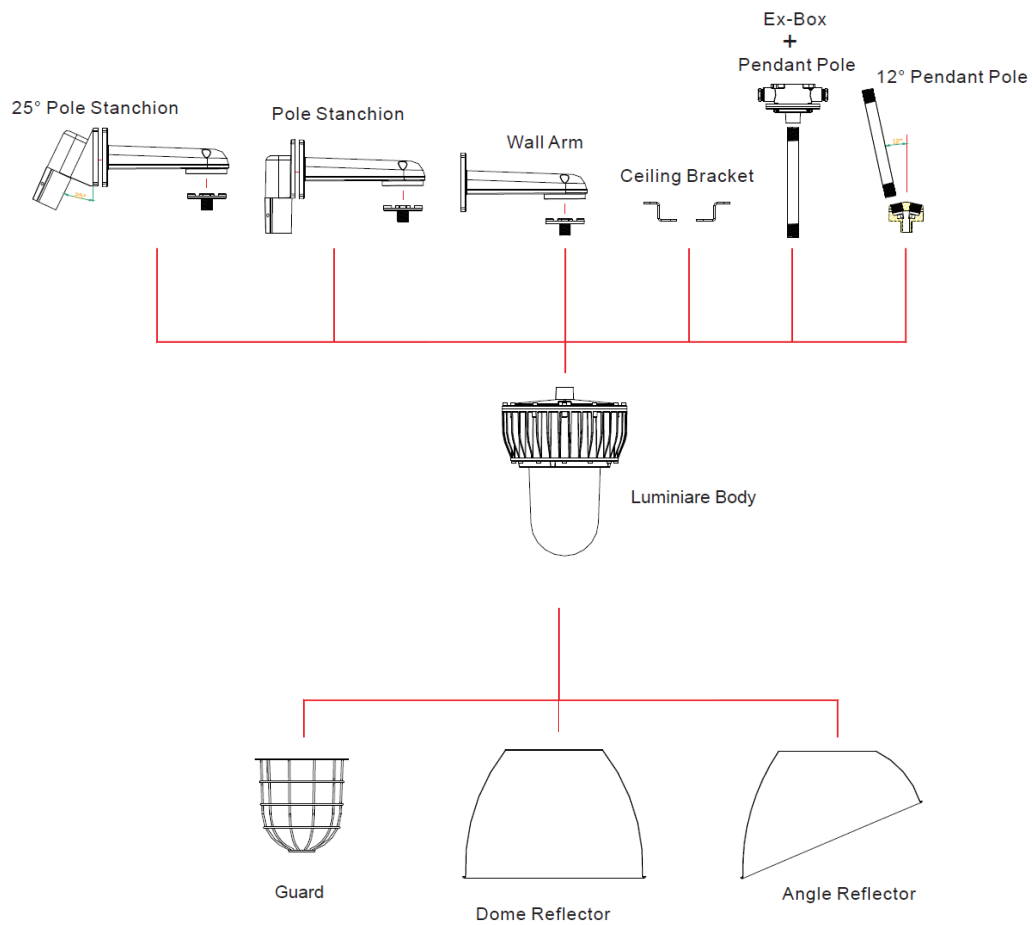
5-Year Standard Warranty

Product Dimensions

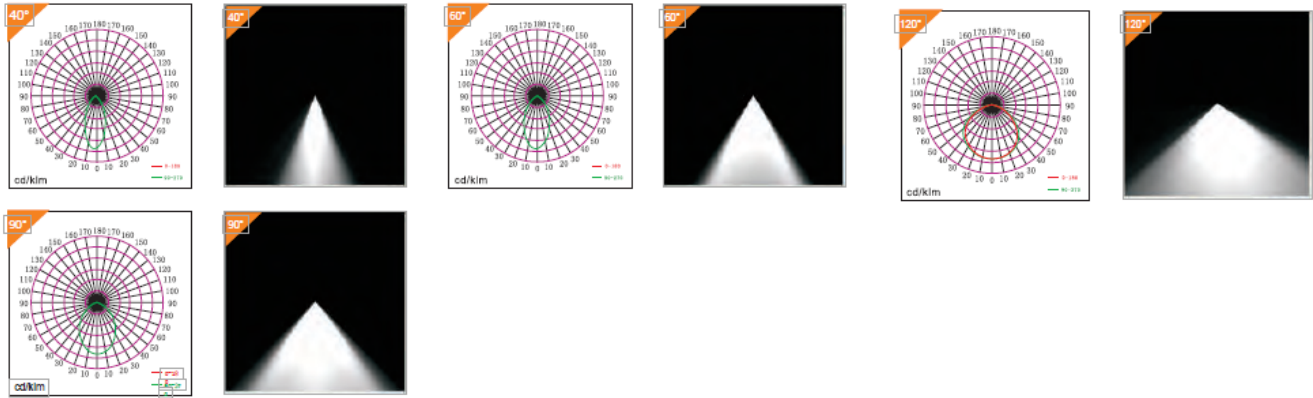
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Mars Series	Dimensions
Dimensions	L=7"W=7"

Mounting and Accessories



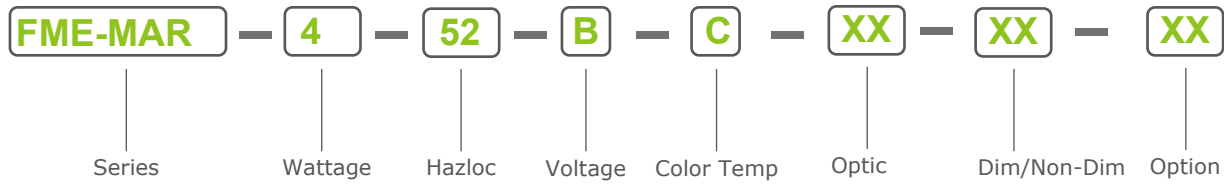
Photometric



Technical Parameter

Item No.	FME-MAR-2	FME-MAR-3	FME-MAR-4
Power	20W	30W	40W
Input Voltage	120-277V OR 347-480V		
Lumen	2,600	3,900	5,200
Light Efficiency	140lm/W		
CCT	4000K / 5000K		
CRI	>70		
IP	IP66		
Certification	ETL listed, UL844, UL 1598, UL 1598A, CSA standard, ABS, ATEX, IECEx certified, IP 66		

Ordering Information and Mounting Accessories



<u>SERIES</u>	<u>WATTAGE</u>	<u>HAZLOC</u>	<u>VOLTAGE</u>	<u>COLOR TEMP</u>	<u>OPTIC</u>	<u>DIM/NON-DIM</u>	<u>OPTION</u>
FME-MAR	2=20W 3=30W 4=40W	42=C1D1 52=CID2 62=CIID1 72=CIID	A=AC100-277V	S= 4000K I= 5000K	M=40° N= 60° O= 90° P= 100° Q= 110° R= 120°	D=Dimmable ND=Non-Dimmable	OPDPS=25° Stanchion OPPS=Stanchion OPWA=Wall Arm Mount OPCB=Ceiling Mount OPPP=Pendant Mount OPDPP=12° Pendant OPEB=Junction Box WG = Wire Guard CL = Clear Lens FL = Frosted Lens

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.