

MAR-EX

Explosion Proof: Linear Light

The MAR-EX series linear vapor tight is designed for use in hazardous locations that feature the presence of flammable gases, vapors, or liquids during normal facility operations, and can sustain operating ambient of -40°C to $+50^{\circ}\text{C}$. This fixture is made with UV stabilized, impact-resistant fiberglass reinforced polycarbonate lens, and is ideal for retrofit of existing HPS/MH and offers higher efficiency for energy savings, lower maintenance costs and quicker paybacks. The optional battery backup system provides a minimum of 90 minutes operation after AC power is lost during an emergency. It operates with 120 or 277V dual voltage.



Applications:

- Petroleum industry
- Paint manufacture
- Pumping stations
- Metal smelting
- Ocean platform
- Mining
- Aerospace
- Chemical plant
- Military space
- Food and distilling production
- Electrical power stations

MAR-EX Ex-Proof Vapor Tight

MAR-EX-XXXX Specification

Certifications: UL1598, UL8750—LED Luminaire Certification
 UL924—Emergency Lighting Equipment
 UL844—Hazardous Location Certification—
 Class I Division 2 Groups ABCD, Class II Division 2 Groups FG, Class III
 IK10 Impact Rating, IP66 Ingress Rating, 1000-hr Salt Spray
 T5/T6 Temperature ratings
 DLC 5.1

Colour Rendering Index: Ra > 80

Colour Temperature (CCT): 2700K, 4000K, 5000K

Standard Operating Temperature: -40°C to +50°C

Electrical: Input: 120-277 Vac, 50/60 Hz, Power Factor: >0.90,
 THD: < 6%, Surge: 4 kV

Construction: SUS 304 stainless steel housing and fiberglass reinforced polycarbonate lens material. Cable Entry allowable for 4x NPT 3/4-in (Emergency lighting versions: 3 x NPT 3/4-in)

LED: High-efficiency surface mount LED technology.

Lens & Optics: Fiberglass-reinforced polycarbonate lens material with clear or diffuse optical properties. Standard 120° FWHM beam optics

Installation: Ceiling, Suspension or Pole mount

Feature: 0-10V Dimming, easy serviceability and maintenance, emergency back up battery configurations with push-to-test button and charging indicators. Minimum 90 minutes duration.

Reported TM-21-11 LED Lumen Maintenance:

L70 (70% light output) > 50,000 hours

Warranty: 5 years for Fixture, 3 years for Battery Backup

MODEL	DIMENSION (LxWxH)	MASS OF FIXTURE (MASS w/ EM)	POWER	LIGHT OUTPUT	TEMPERATURE CLASS
MAR-EX-0020-X-X-X-X-X-20	69.8x22.0x13.3 cm	5.3 kg (6.5 kg)	22 W	2,959 lm	-
MAR-EX-0030-X-X-X-X-X-20	69.8x22.0x13.3 cm	5.3 kg (6.5 kg)	30 W	4,012 lm	T6 (80°C)
MAR-EX-0040-X-X-X-X-X-40	130x22.0x14.9 cm	8.9 kg (10.2 kg)	40 W	5,067 lm	T5 (100°C)
MAR-EX-0050-X-X-X-X-X-40	130x22.0x14.9 cm	8.9 kg (10.2 kg)	50 W	7,024 lm	T5 (100°C)
MAR-EX-0060-X-X-X-X-X-40	130x22.0x14.9 cm	8.9 kg (10.2 kg)	60 W	8,381 lm	T5 (100°C)

EM DRIVER SPECIFICATIONS	Output VDC	Output Power	Charge Time	Emergency	Temperature	Battery Life
EM-15W-HL	42-50 Vdc	15 W	24 hours	90 minutes	-10 to +60°C	5 Years

Ordering Code (e.g., MAR-EX-0040-277-5K0-80-120-SF-CL-40-EM)

SERIES	POWER	VOLTAGE	CCT	CRI	BEAM ANGLE	INSTALL METHOD	DIFFUSER	LOCATION TYPE	ACCESSORIES
MAR-EX	0040	277	5K0	80	120	SF	CL	40	EM
MAR-EX	0020 (22W)	277 (120-277 V AC)	2K7 (2700K)	80	120 (Standard)	SP (Suspension Cable)	CL (Clear)	20 (L = 69.8cm)	EM (Emergency Back-up Battery)
	0030 (30W)		4K0 (4000K)			PL (Pole Mount)	FR (Diffuse)	40 (L = 130 cm)	- (None)
	0040 (40W)		5K0 (5000K)			SF (Ceiling Mount Bracket)			
	0050 (50W)								
	0060 (60W)								

