2MEXL-LR4E

4' Explosion-Proof Emergency LED Linear Light (30–60W)

Features

- Designed for use in hazardous locations where flammable gases, vapors, or liquids may be present during normal facility operations.
- Fixed mounting bracket for flexible installations - surface mount and rope mount.
- Equipped Latches not only for waterproofness, but for quick release and easy to maintain.
- SUS304 stainless steel standard housing (SUS316 optional), great corrosion and heat resistance, outstanding durability, suitable for harsh environments.
- Excellent quality optics, longer installation distance between luminaires for lower costs.
- LED light strip replaceable, customer can buy new one to replace if it fails to work.
- UV stabilized, impact-resistant fiberglass reinforced polycarbontae lens (clear for standard, diffuse for optional).
- Available in two lengths: 2 feet, 4 feet

Specifications

ELECTRICAL				
Rated Power (CID2)	30 W	40 W	50 W	60 W
Rated Power (Zone 2)	30 W	40 W	50 W	
Interconnection	Maximum total wattage for interconnection is 150W			
Input Voltage	120-277 VAC			
Frequency	50/60 Hz			
Power Factor	>0.9			
Driver Efficiency	≥90%			
Surge Protection	4 kV			
Dimming	Dimming function optional. Driver includes dimming control wiring for 0-10V dimming systems. Separate 0-10V DC dimming circuit is required.			
OPTICAL				
Lumen Output	3900 Lm	5200 Lm	6500 Lm	7800 Lm
Efficacy	130 Lm/W			
CCT (CID2)	2700K / 4000K / 5000K			
CCT (Zone 2)	2700K / 3000K / 3500K / 4000K / 5000K / 6000K / 6500K			
CRI	>80			
Beam Angle	120°			
Lifespan	50,000 hour LED lifespan based on IES LM-80 results and TM-21 calculations			
ENVIRONMENTAL				
Ambient Temperature	-10°C to +60°C for T6/T80°C			
MECHANICAL				
Fixture Length	4 feet			
Housing Material	Standard: SUS304 stainless steel Optional: SUS316 stainless steel			
Lens Material	Standard: Clear fiberglass-reinforced polycarbonate Optional: Diffuse fiberglass-reinforced polycarbonate			
Gasket	Silicone rubber			
Latches/Clips	Stainless steel			
Fixture Color	Milky white			
Finish	Epoxy powder coating			
Mounting	Ceiling, rope, pole			
Protection	IP66/IK10/3G vibration/1200 hours salt spray			
Cable Entries	4 x M20 (Side x1 with cable gland, Side x3 with stopping plugs)			
Wiring	Suitable for dead end, through feed or single-ended "T" wiring			
WARRANTY				
Warranty	3-year standard warranty for battery backup 5-year standard warranty for fixture			

Models Available

MODEL	WATTAGE
2MEXL-LR4E-30	30 W
2MEXL-LR4E-40	40 W
2MEXL-LR4E-50	50 W
2MEXL-LR4E-60	60 W

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2MEXL-LR4E

4' Explosion-Proof Emergency LED Linear Light (30–60W)

Compliances

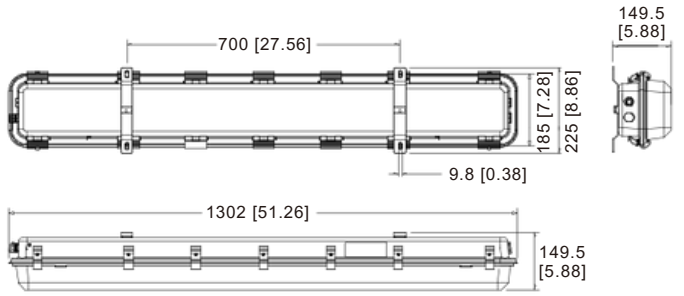
- UL844 Hazardous Locations
- Class I, Division 2, Groups A, B, C, D
- Class II, Division 1, Groups E, F, G
- Class II, Division 2, Groups F, G
- Class III
- Class I, Zone 2 Group IIC
- UL 1598 Luminaires
- UL 1598A Marine Outside Type
- UL 8750 LED Safety
- UL924 Emergency Lighting
- DLC 5.1
- ETL
- ABS
- ATEX Marking (Certificate Number: CSANe 23ATEX1213X):
  - II 3GD
  - Ex db ec IIC T6/T5 GC
  - Ex tC IIIC T80°C/T95°C DC

Packing Information

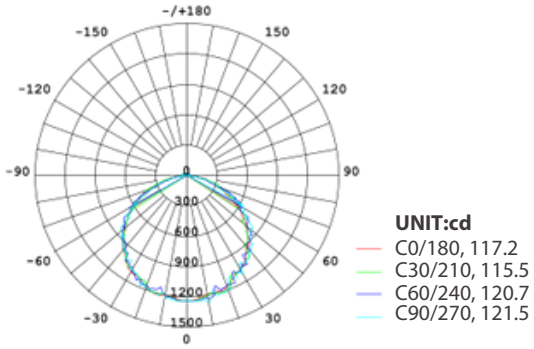
Net Weight	Gross Weight*	Quantity/ Carton	Package Dimensions (L x W x H)
10.2 kg / 22.49 lb	11.54 kg / 25.44 lb	1 pc	1400 x 250 x 175 mm / 55.12" x 9.84" x 6.89"

**estimated values*

Product Dimensions (mm [inch])

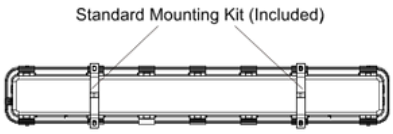
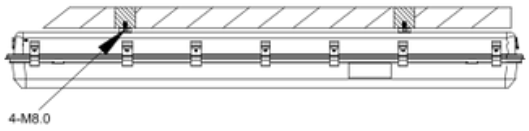
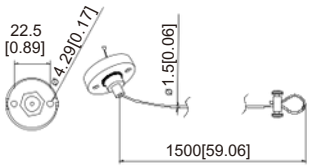
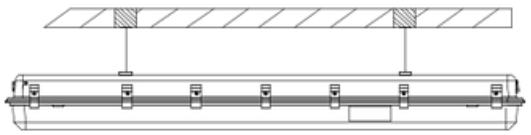
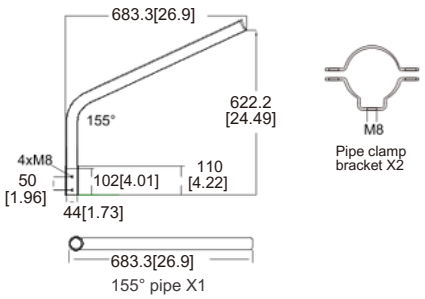
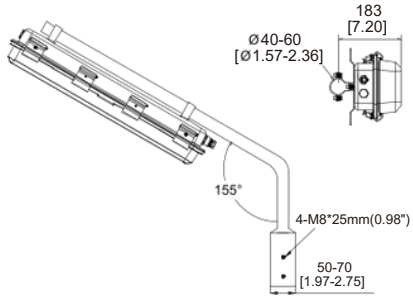


Light Distribution



AVERAGE BEAM ANGLE(50%):
118.7 DEG

Mounting Methods

Options	Description	Kit (mm [inch])	Installed
Ceiling Mount	Provided with two stainless steel mounting kits welded at the back of housing		
Rope Mount	Provided with two stainless steel wire. Measured 1mm diameter		
Pole Mount	(1) 155° pipe (2) Pipe clamp bracket		

Note:
(1) Mounting screws not provided.
(2) Ordered separately, field installed.

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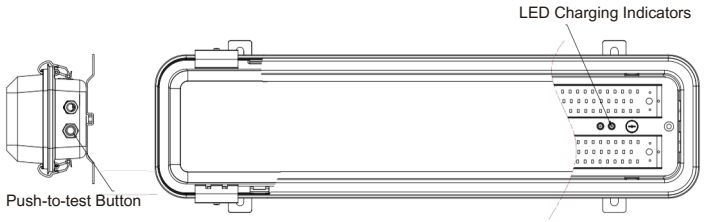
4' Explosion-Proof Emergency LED Linear Light (30–60W)

Emergency Specifications

Class I, Division 2	
Emergency Driver Model	EM-15W-HL
Input Rating	120-277 VAC, 50/60 Hz, Max. 100 mA, Max. 7W
Output Rating	25-55 Vdc, Constant wattage 15W
Charge Time	24 hours
Emergency Run Time	3 hours
Response Time	<550 mS
Rated Ambient Temperature	0°C to 60°C
Battery Life Expectancy	5 years

CAUTION: Sealed unit. Battery not replaceable. Replace entire unit when necessary.



Zone 2	
Input Rating	120-277 VAC, 50/60 Hz, THD ≤ 20%, PF ≥ 0.9, Input Current Max. 0.6A
Input Power	10–50W
Output Rating	28–50 Vdc
Emergency Power	8W
Battery	Lithium
Emergency Run Time	3 hours
Response Time	≤ 1 second
Charge Time	≥ 24 hours
Battery Life Expectancy	5 years
Ambient Temperature	-10°C to +60°C

CAUTION: Sealed unit. Battery not replaceable. Replace entire unit when necessary.

Indicator Information

Operate Mode / LED Features		YELLOW LED (State LED)	Green LED (Indicate LED)
Charge Mode	Charging		Flash 0.2HZ (5S/time)
	Fully charged		ON
Discharge Mode	Discharge		Flash 1HZ (1S/time)
	Discharge cut-off		OFF
Battery disconnect		Flash 2HZ (0.5S/time)	
LED Lamp disconnect		Flash 2HZ (0.5S/time)	
Battery under voltage		Flash 1HZ (1S/time)	
Battery over voltage		Flash 1HZ (1S/time)	
Function test beginning (once a month)			Flash 2HZ (0.5S/time), flash 5 times
Under function test			Flash 1HZ (1S/time)
Function test failed		Flash 0.5HZ (2S/time)	
Discharge duration test beginning (once a year)			Flash 2HZ (0.5S/time), flash 7 times
Under discharge duration test			Flash 1HZ (1S/time)
Discharge duration test failed		Flash 0.5HZ (2S/time)	

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