

EXPLOSIONPROOF RIGMASTER™ LED SERIES LUMINAIRES

STANDARD OR WITH EMERGENCY BATTERY BACKUP — HAZARDOUS LOCATIONS

FEATURES

- Low profile Luminaire, perfect for low clearance, obstructed areas or compact spaces
- Available in two sizes and output options, delivering up to 7600 lumens
- Adjustable yoke brackets with fixture position locking mechanism and various bolt patterns that accommodate most bolt patterns for Crouse-Hinds™ †, Dialight™ ‡ and other manufacturers
- Select a clear or frosted glass lens for the optimal level of work plane brightness and visual comfort. These lenses are field interchangeable for convenience and flexibility
- 4 casted points standard for secondary safety retention
- 90 or 180 minutes of emergency battery backup optional
- Loop in/out wiring capability for interconnecting fixtures
- Precision threaded wire cover provides hassle free access to wiring department for easy installation and maintenance

WARRANTY

- 5 year standard warranty

TYPICAL APPLICATIONS

- Drilling rigs
- Offshore rigs
- Oil refineries
- Petrochemical facilities
- Foundries
- Waste and sewer treatment
- Mining and underground tunnels
- Power generation
- Hydrogen and Biofuels plants
- LNG (Liquid Natural Gas) plants
- Select paint booth areas

LUMINAIRE MATERIALS

- Housing: copperfree (4/10 of 1% max.) aluminum
- Lens: thermal shock- and impact-resistant glass lens
- Gasket: silicone rubber
- Bolts: highly corrosion resistant 316 stainless steel
- Close up plugs: (1) aluminum provided
- Mounting brackets: zinc plated steel

ACCESSORIES (PURCHASE SEPARATELY)

- Safety Cable: LEDSC

NEC/CEC LISTINGS

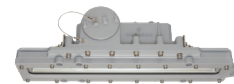
- NEC: Class I, Division 1, Groups C and D | Class II, Division 1, Groups E, F, G | Class III
- CEC: Class I Zone 1, Group IIB
- Type 3R, 4, 4X
- IP66
- 4G Vibration Standard; 3G Vibration Emergency
- Simultaneous Exposure
- Suitable for Use in Wet Locations
- Marine Outside Type (Salt Water)

NOTABLE LISTINGS

- ABS Certified
- DLC listed

RELATED PRODUCTS

- Rigmaster LED Series Luminaires
- Industrial Rigmaster LED Series Luminaires



ERM*2 + Clear Lens (No Mount)



ERM*4 + Clear Lens + Large Swivel Bracket Mount

† Crouse-Hinds is a registered trademark of Eaton Corporation.
‡ Dialight is a registered trademark of Dialight.

PRODUCT SPECIFICATIONS

Series * Lumen Output	ERM*2	ERM*4
Nominal Wattage (W, @120 V)	33	55
Equivalencies (W, T8)	2 x 32W	3 x 32W
Nominal Lumens Standard Model ❶	4310	7530
Nominal Lumens Emergency Model ❶	1350 (90 min) 800 (180 min)	
Efficacy (up to, lm/W)	131	137
Color Temperature (CCT) (K)	5000/4000/3000	
Color Rendering Index (CRI)	≥ 80 CRI	
Voltage	120-277 Vac, 50/60 Hz; 125-300 Vdc 347-480 Vac, 50/60 Hz	
Surge Protection	6 kV, 3 kA	
L70 Lifetime (hrs, reported)	60,000 hours @ 25 °C	
Ambient Temperature ❷	Standard: -40 °C to +65 °C (-40 °F to +149 °F) Emergency: -20 °C to +55 °C (-4 °F to +131 °F)	
Temperature Code ❷	T5 - T6	
Fixture Weight Standard Model - kg (lbs)	8.9 (19.6)	13.4 (29.5)
Fixture Weight Emergency Model - kg (lbs)	12.8 (28.2)	18.4 (40.6)
Replaceable Parts	Driver, Lens, Battery Management Module, Battery Pack	

❶ Nominal lumens based 5000K CCT with clear glass lens. Refer to catalog pages for detailed performance.

❷ Refer to catalog pages for detailed temperature tables/operating temperature based on lumen output/certification.

APPLETON™

For product information:
www.masteringled.com
1.800.621.1506



CONSIDER IT SOLVED™

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STANDARD OR WITH EMERGENCY BATTERY BACKUP — HAZARDOUS LOCATIONS

Project Information	Specifications
Part Number: _____ Date: _____	_____
Project: _____	_____
Fixture Type: _____	_____

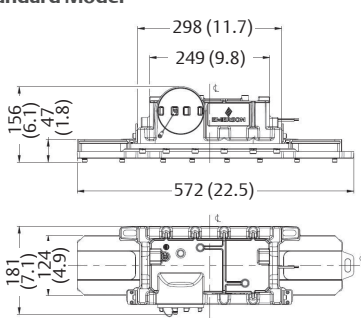
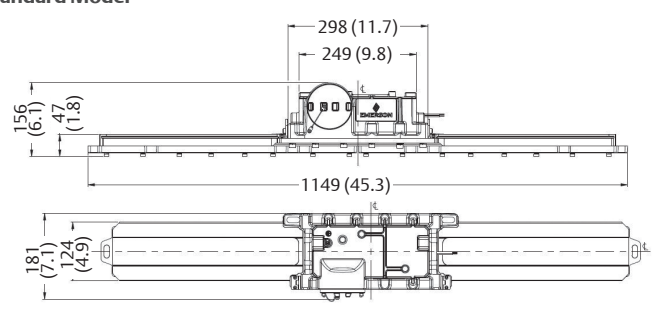
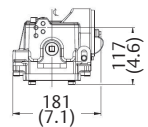
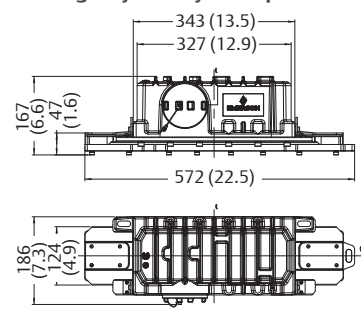
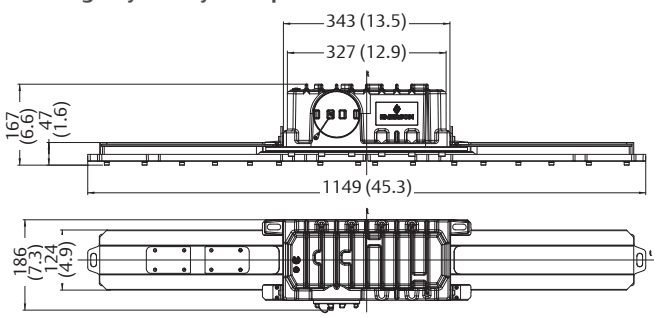
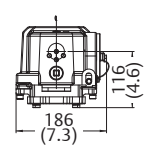
CATALOG NUMBERING GUIDE

Series Prefix	Lumen (nominal)	Color Temperature	Light Distribution Pattern	Emergency	Wiring Method	Option
Mounting	Hub Size	Lens Material	Voltage	Color		
ERM			L		G	

SERIES PREFIX: ERM Explosionproof Rigmaster LED MOUNTING: ③ B Large Swivel Bracket L Low Profile Bracket N If None (Use if Ordering Appleton Bracket Separately) LUMEN (NOMINAL): ② 2 4,300 Lumens (2') 4 7,600 Lumens (4')	HUB SIZE: 1 (4) 1/2" NPT 2 (4) 3/4" NPT COLOR TEMPERATURE (CCT): C Cool, 5000K N Neutral, 4000K W Warm, 3000K LENS MATERIAL: C Clear Glass F Frosted Glass ①	LIGHT DISTRIBUTION PATTERN: L Linear Pattern VOLTAGE: ④ BU 120-277 Vac, 50/60 Hz; 125-300 Vdc BH 347-480 Vac, 50/60 Hz EMERGENCY: ⑤ N If None (Standard) H 90 Minutes E 180 Minutes	COLOR: G Appleton Gray (Standard) WIRING METHOD: W Wire Nuts (Standard) T Fixed Terminal Block ① OPTION: ③ Blank If None 1 (1) Safety Cable 2 (2) Safety Cables
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- ① Applicable to standard (non emergency) fixtures only.
- ② Refer to catalog pages for detailed lumen output information, see Lumen Output (Efficacy) Table.
- ③ Brackets and safety cables can be ordered separately or included with fixture. Refer to catalog pages for more information.
- ④ Emergency battery back up version is only available with BU voltage configuration for 120-277 Vac operation.
- ⑤ Marine Outside Type (Salt Water) is applicable to standard (non emergency) fixtures only.

DIMENSIONAL DRAWINGS | MILLIMETERS (INCHES)

ERM*2	ERM*4	ERM*2 and ERM*4
Standard Model 	Standard Model 	End View 
With Emergency Battery Backup 	With Emergency Battery Backup 	End View 

Models shown with no mounting bracket. Refer to catalog pages or the Product Drawing configurator page for additional dimensional information; available on www.masteringled.com.