

# RIGMASTER™ LED SERIES LUMINAIRES

## STANDARD OR WITH EMERGENCY BATTERY BACKUP — HAZARDOUS LOCATIONS

### FEATURES

- Lightweight and 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 ( 0°, 15°, 30°, 45°, 60° and 90° ) with fixture position locking mechanism and various bolt patterns that accommodate most bolt patterns from Crouse-Hinds™ †, Dialight™ ‡ and other manufacturers
- Optional field installable pendant mount kit provides top wire entry applications
- Select a clear or diffused polycarbonate lens for the optimal level of work plane brightness and visual comfort. These lenses are field interchangeable for convenience and flexibility
- 5 casted points standard for secondary safety retention.
- 90 or 180 minutes of emergency battery backup optional
- Loop in/out wiring capability for interconnecting fixtures
- Hinged wire compartment cover is secured with captive screws for safety and convenience

### WARRANTY

- 5 year warranty on standard fixture. 3 year warranty on emergency fixtures

### TYPICAL APPLICATIONS

- Pulp and paper mills
- Drilling rigs
- Oil refineries
- Grain loading areas

- Petrochemical facilities
- Waste and sewer treatment
- Underground tunnels
- Analyzer houses
- Cooling towers
- Grain elevators
- Coal and metal manufacturing
- Flour and feed mills
- Hydrogen and Biofuels plants
- LNG (Liquid Natural Gas) plants

### LUMINAIRE MATERIALS

- Housing: copperfree (4/10 of 1% max.) aluminum
- Lens: thermal shock- and impact-resistant polycarbonate
- Gasket: silicone rubber
- Bolts: stainless steel
- Close up plugs: (3) aluminum provided
- Mounting brackets: zinc plated steel

### ACCESSORIES (PURCHASE SEPARATELY)

- Pendant Mount Kit: RMPENDKIT / RMHPENDKIT
- Beam clamp kit: RMBCKIT
- Safety Cable: LEDSC
- Wire guard: RMGUARD2 (2FT) and RMGUARD4 (4FT)

### NEC/CEC LISTINGS

- NEC: 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
- CEC: Class I, Zone 2, Group IIC | Class II, Zone 20 and 21, Group IIIC
- Type 3R, 4, 4X
- IP66



RM\*2 + Clear Lens (No Mount)



RM\*4 + Clear Lens (No Mount)

- IK10
- 10G vibration on small/large brackets; 5G vibration on low profile bracket and emergency luminaires
- Simultaneous Exposure
- Suitable for Use in Wet Locations
- Marine Outside Type (Salt Water)

### NOTABLE LISTINGS

- ABS Certified
- Dark Sky (IDA) Approved
- DLC listed

### RELATED PRODUCTS

- Explosionproof Rigmaster LED Series Luminaires
- Industrial Rigmaster LED Series Luminaires

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

### PRODUCT SPECIFICATIONS

Series * Lumen Output	RM*2	RM*4
Nominal Wattage (W, @120 V)	33	55
Equivalencies (W, T8)	2 x 32W	3 x 32W
Nominal Lumens   Standard Mode ❶	4390	7650
Nominal Lumens   Emergency Mode ❶	1350 ( 90 min )   800 ( 180 min )	
Efficacy (up to, lm/W)	133	139
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)	Reported: >60000 hours @ 25 °C   >60000 hours @ 65 °C Calculated: >200000 hours @ 25 °C   >200000 hours @ 65 °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	T4 - T6	
Fixture Weight   Standard Model - kg (lbs)	3.7 (8.2)	4.6 kg ( 10.1)
Fixture Weight   Emergency Model - kg (lbs)	7.6 (16.8)	8.6 kg ( 19.0)
Replaceable Parts	Driver, Lens, Battery Management Module, Battery Pack	

❶ Nominal lumens based 5000K CCT with clear polycarbonate 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



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# RIGMASTER™ LED SERIES LUMINAIRES

## STANDARD OR WITH EMERGENCY BATTERY BACKUP — HAZARDOUS LOCATIONS

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

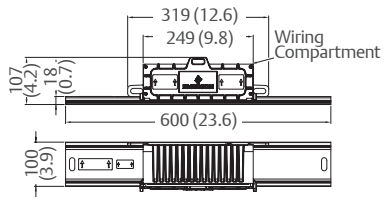
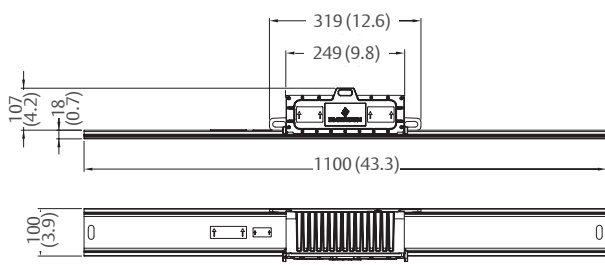
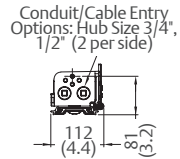
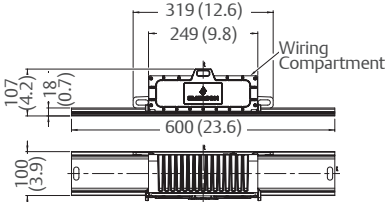
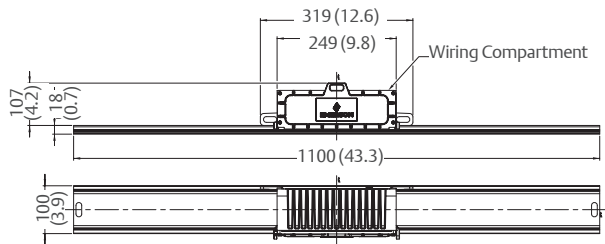
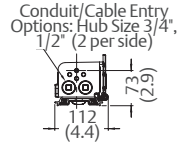
### CATALOG NUMBERING GUIDE

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

<b>SERIES PREFIX:</b> <b>RM</b> Rigmaster LED <b>MOUNTING: ④</b> <b>A</b> Small Swivel Bracket ⑤ <b>B</b> Large Swivel Bracket <b>L</b> Low Profile Bracket <b>N</b> If None (Use if Ordering Appleton Bracket Separately) <b>LUMEN (NOMINAL): ②</b> <b>2</b> 4,300 Lumens (2') <b>4</b> 7,600 Lumens (4')	<b>HUB SIZE:</b> <b>1</b> (4) 1/2" NPT <b>2</b> (4) 3/4" NPT <b>COLOR TEMPERATURE (CCT):</b> <b>C</b> Cool, 5000K <b>N</b> Neutral, 4000K <b>W</b> Warm, 3000K <b>LENS MATERIAL:</b> <b>D</b> Diffused Polycarbonate <b>P</b> Clear Polycarbonate	<b>LIGHT DISTRIBUTION PATTERN:</b> <b>L</b> Linear Pattern <b>VOLTAGE:</b> <b>BU</b> 120-277 Vac, 50/60 Hz; 125-300 Vdc <b>BH</b> 347-480 Vac, 50/60 Hz ③ <b>EMERGENCY: ⑥</b> <b>N</b> If None (Standard) <b>H</b> 90 Minutes <b>E</b> 180 Minutes	<b>COLOR:</b> <b>G</b> Appleton Gray (Standard) <b>WIRING METHOD:</b> <b>W</b> Wire Nuts (Standard) <b>T</b> Fixed Terminal Block ③ <b>OPTION: ④</b> <b>Blank</b> If None <b>1</b> (1) Safety Cable <b>2</b> (2) Safety Cables
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- ① Marine Outside Type (Salt Water) is applicable to standard (non emergency) fixtures only.
- ② Refer to catalog pages for detailed lumen output information, see Lumen Output (Efficacy) Table.
- ③ Terminal block option available for standard unit, BU voltage configuration only.
- ④ Brackets and safety cables can be ordered separately or included with fixture. Refer to catalog pages for more information.
- ⑤ Mounting option A is not available with emergency version.
- ⑥ Emergency battery back up version is only available with BU voltage configuration for 120-277 Vac operation.

### DIMENSIONAL DRAWINGS • | MILLIMETERS (INCHES)

<b>RM*2</b> <b>Standard Model</b> 	<b>RM*4</b> <b>Standard Model</b> 	<b>RM*2 and RM*4</b> <b>End View</b> 
<b>With Emergency Battery Backup</b> 	<b>With Emergency Battery Backup</b> 	<b>End View</b> 

• 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](http://www.masteringled.com).