

# INDUSTRIAL RIGMASTER™ LED SERIES LUMINAIRES

## STANDARD OR WITH EMERGENCY BATTERY BACKUP — ORDINARY 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

- Waste and sewer treatment
- Pulp and paper mills
- Food processing plants
- Foundries
- General manufacturing facilities
- Underground tunnels
- 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: IRMPENDKIT / IRMHPENDKIT
- Beam clamp kit: RMBCKIT
- Safety Cable: LEDSC
- Wire guard: RMGUARD2 (2FT) and RMGUARD4 (4FT)

### NEC/CEC LISTINGS

- Type 3R, 4, 4X
- IP66
- IK10
- 10G vibration on small/large brackets; 5G vibration on low profile bracket
- 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

- Rigmaster LED Series Luminaires
- Explosionproof Rigmaster LED Series Luminaires



IRM\*2 + Clear Lens (No Mount)



IRM\*4 + Clear Lens (No Mount)

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

### PRODUCT SPECIFICATIONS

Series * Lumen Output	IRM*2	IRM*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: >60000 hours @ 25 °C   >60000 hours @ 65 °C Calculated: >200000 hours @ 25 °C   >200000 hours @ 65 °C	
Ambient Temperature	Standard: -40 °C to +65 °C (-40 °F to +149 °F)   Emergency: -20 °C to +55 °C (-4 °F to +131 °F)	
Fixture Weight   Standard Model - kg (lbs)	3.7 (8.2)	4.6 ( 10.1)
Fixture Weight   Emergency Model - kg (lbs)	7.6 (16.8)	8.6 ( 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.

**APPLETON™**

For product information:  
www.masteringled.com  
1.800.621.1506

  
**EMERSON™**

**CONSIDER IT SOLVED™**

# INDUSTRIAL RIGMASTER™ LED SERIES LUMINAIRES

## STANDARD OR WITH EMERGENCY BATTERY BACKUP — ORDINARY 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		
IRM			L		G	

  

<b>SERIES PREFIX:</b>	<b>HUB SIZE:</b>	<b>LIGHT DISTRIBUTION PATTERN:</b>	<b>COLOR:</b>
<b>IRM</b> Industrial Rigmaster LED	<b>1</b> (4) 1/2" NPT	<b>L</b> Linear Pattern	<b>G</b> Appleton Gray (Standard)
<b>MOUNTING: ④</b>	<b>2</b> (4) 3/4" NPT	<b>VOLTAGE:</b>	<b>WIRING METHOD:</b>
<b>A</b> Small Swivel Bracket ⑤	<b>COLOR TEMPERATURE (CCT):</b>	<b>BU</b> 120-277 Vac, 50/60 Hz; 125-300 Vdc	<b>W</b> Wire Nuts (Standard)
<b>B</b> Large Swivel Bracket	<b>C</b> Cool, 5000K	<b>BH</b> 347-480 Vac, 50/60 Hz ③	<b>T</b> Fixed Terminal Block ③
<b>L</b> Low Profile Bracket	<b>N</b> Neutral, 4000K	<b>EMERGENCY: ⑥</b>	<b>OPTION: ④</b>
<b>N</b> If None (Use if Ordering Appleton Bracket Separately)	<b>W</b> Warm, 3000K	<b>N</b> If None (Standard)	<b>Blank</b> If None
<b>LUMEN (NOMINAL): ②</b>	<b>LENS MATERIAL:</b>	<b>H</b> 90 Minutes	<b>1</b> (1) Safety Cable
<b>2</b> 4,300 Lumens (2')	<b>D</b> Diffused Polycarbonate	<b>E</b> 180 Minutes	<b>2</b> (2) Safety Cables
<b>4</b> 7,600 Lumens (4')	<b>P</b> Clear Polycarbonate		

- 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 ① | MILLIMETERS (INCHES)

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

① 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).

APPLETON™

United States: 1.800.621.1506 | Asia/Pacific: + 65.6556.1100 | Australia: + 61.3.9721.0387  
 Canada: + 1.888.765.2226 | China: + 86.21.3338.7000 | Europe: + 33.3.22.54.13.90  
 Mexico/Latin America: + 52.55.5809.5049 | Middle East/Africa/India: + 971.4.811.8100  
[www.masteringled.com](http://www.masteringled.com)

EMERSON™