



INDUSTRIAL MERCMASTER™ LED GENERATION 3 EMERGENCY BATTERY BACKUP SERIES LUMINAIRES

APPLICATIONS

- Powerful, efficient weatherproof lighting suitable for use in:
 - Warehouses
 - Storage facilities
 - Machine shops
 - Receiving areas
 - Manufacturing plants
 - Walkways and catwalks
 - Locations requiring IP66, Type 4X, marine and wet location
 - Locations requiring dependable, consistent lighting in extreme hot/cold temperature environments
 - Areas of low clearance, low ceiling heights or where fixture weights must be minimized
- Typical harsh industrial environments include:
 - Power generation plants
 - Foundries
 - Waste and sewage treatment plants
 - Steel and other metal processing facilities
 - Pulp and paper mills
 - Processing plants
 - Other areas where dust, water, dirt and rough usage are a problem

FEATURES

- Provides up to 1400 lumens illumination for 90 minutes of emergency lighting or 800 lumens illumination for 180 minutes of emergency lighting.
- Functional diagnostic test self-initiates every 14 days after initial start up.

Standard Mode Nominal Lumens ①	HID Equivalent	Emergency Mode Nominal Lumens ①	Model Number
3500	70-100W	1450	MLGL3H
		800	MLGL3E
5500	100-150W	1450	MLGL5H
		800	MLGL5E

① Nominal lumen value for 5000K, clear glass globe Type V Wide.
Detailed lumen information is provided in tables.

- Duration test is automatically performed once per year.
- Green and Red LED lights indicate charging status and provide fault warning.
- Simple quick disconnect connector disconnects power between LEDs and battery management module to allow maintenance in hazardous locations.
- Easy field changeable duration setting from 90 minute to 180 minutes.
- Choice of optics for optimal light distribution in a variety of applications: Type I, Type III, Type V or Type V Wide.
- Choice of color temperature (CCT): 5000K cool white, 4000K neutral white or 3000K warm white.
- Customize to the application requirements with three different globe options: clear and diffused polycarbonate, or clear glass.
- Seven standard mounting hood designs allow for mounting in any location. Uses same mounting hoods as Mercmaster™ III.
- Retrofit adapters for Crouse-Hinds™+, Mercmaster II, and Killark+ hoods available. See Mercmaster LED Adapters.
- Hinge has high lip for added safety during installation and servicing. Hinge and bolt construction assures 360° compression at all points on fixture housing gasket for positive sealing. Swing away design of captive bolt and nut simplifies installation.
- Rugged housing with superior thermal design translates to long luminaire life.
- Luminaire housing has wiring compartment with terminal block separate for easy wiring access.
- Standard screw-type terminal block can accept UL/CSA 4 mm² to 6 mm² (26-10 AWG) wire.
- Standard 6 kV surge protection.
- Heavy duty, high temperature silicone gaskets.
- Photometric data and electronic drawings available upon request.
- Ambient Temperature: -20 °C to +55 °C (-4 °F to +131 °F)
- Standard NPT threads with M20 option.
- LED L70 reported at 60,000 hours.
- Field replaceable globes, battery management module (BMM), battery pack and LED driver.

STANDARD MATERIALS

- Mounting hoods and bodies: cast copperfree (4/10 of 1% max.) aluminum
- Gaskets: silicone
- All hardware and catch assemblies: stainless steel
- Globe: polycarbonate or glass
- Glass globe guard and safety cable: stainless steel wire

STANDARD FINISHES

- Mounting hoods and bodies: gray epoxy powder coat finish, electrostatically applied for complete uniform protection

OPTIONS

- Globe guards available, purchase separately.
- Safety cable available, purchase separately.
- Three-sided emergency sign available - EXR400.
- Drain is available to divert water existing in the conduit system, purchase separately.

DESIGN LIGHTS™ CONSORTIUM

- Check DLC QPL for current list of products.

NEC/CEC CERTIFICATIONS AND COMPLIANCES

- UL Standard: UL 1598, Third Edition; UL 8750, Second Edition; UL 924, Tenth Edition
- CSA Standard: C22.2 No. 250.0-00; C22.2 No. 250.13-2017; C22.2 No. 141-15
- cCSAus Listed: Master contract 164460
- Ambient Temperature: 120-277 Volts: -20 °C up to +55 °C (-4 °F up to +131 °F)

✦ Killark is a registered trademark of Hubbell Incorporated.
✦ Crouse-Hinds is a registered trademarks of Cooper Crouse-Hinds.

APPLETON™


EMERSON™

CONSIDER IT SOLVED™

INDUSTRIAL MERCMASTER™ LED GENERATION 3 EMERGENCY BATTERY BACKUP SERIES LUMINAIRES

<p>IMLG</p> <p>Series: IMLG - Industrial Mercmaster LED Generation 3 Series</p>	<p>A</p> <p>Mounting: A - Pendant B - Watertight Pendant ▲ C - Ceiling D - Pendant Cone R - 90° Stanchion ① S - 25° Stanchion ① T - Trunnion K - Killark™ Adapter Universal ▲ U - Mercmaster II Adapter, Ceiling or Pendant ▲ V - Mercmaster II Adapter, Stanchion or Wall ▲ W - Wall X - Crouse Hinds™ Adapter, Ceiling or Pendant ④ Y - Crouse Hinds™ Adapter, Stanchion or Wall Blank - No mounting hood</p>	<p>L3</p> <p>Lumen (nominal): ② L3 - 3,500 L5 - 5,500</p>	<p>2</p> <p>Hub Size: 2 - 3/4" NPT 3 - 1" NPT 4 - 1-1/4" NPT stanchion 5 - 1-1/2" NPT stanchion 6 - Metric M20 Blank - If using adapter or no hood ⑥</p>	<p>C</p> <p>Color Temperature: C - Cool, 5000K N - Neutral, 4000K W - Warm, 3000K</p>	<p>P</p> <p>Globe Material: P - Clear Polycarbonate Globe D - Diffused Polycarbonate Globe G - Clear Glass Globe ③</p>	<p>5</p> <p>Light Distribution Pattern: 1 - Type I ⑤ 3 - Type III ⑤ 5 - Type V W - Type V Wide</p>	<p>BU</p> <p>Voltage: BU - 120-277 Vac, 50/60Hz</p>	<p>H</p> <p>Emergency: H - 90 Minutes E - 180 Minutes</p>
--	--	--	---	--	---	---	--	--

① 3/4" NPT, 1" NPT and Metric M20 hub entries are not offered in this mounting option
 ② For lumen output information, see Lumen Values Table.
 ③ Guards for the globes are ordered separately. See the Accessories for more information.
 ④ Only allowed for Type V and Type V wide light distribution.
 ⑤ Type I and Type III use a multiple hinge housing.
 ⑥ Hub size does not apply to luminaires ordered with adapters.
 ▲ Adapters only certified for cCSAus.