FEATURES

• Modular design provides thousands of combinations for maximum versatility.
• Design is suited for mounting heights ranging from 2 m (7 ft), up to 15 m (50 ft).
• Nine light outputs provide up to 26,000 lumens (5000K CCT, Type V light distribution, and clear glass globe).
• 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 (70 CRI min), 4500K mid-neutral (80 CRI min), 4000K neutral white (80 CRI min), 3500K mid-warm (80 CRI min), or 3000K warm white (80 CRI min).
• Options for High Ambient luminaire (up to 75 °C [167 °F]). Add -A at end of eligible part numbers. See T-Code table in catalog pages for specifics.
• Customize to the application requirements with four different globe options: clear and diffused polycarbonate, clear glass, or prismatic glass refractor.
• Seven standard mounting hood designs allow for mounting in any location. Uses same mounting hoods as Mercmaster III.
• New Watertight Pendant Hood with IP 68 cord grip available to address water ingress into luminaire via conduit.
• Hinge has high lip for added safety during installation and servicing. Hinge and bolt construction ensures 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 .14 to 6 mm² (26-10 AWG) wire.
• Standard 6 kV surge protection. Optional 10 kV available.
• Heavy duty, high temperature silicone gaskets.
• Photometric data and electronic drawings available upon request.
• Ambient Temperature (standard product): -40 °C to +65 °C (-40 °F to +149 °F). Higher ambient options available on select configurations. See T-Code table for details.
• Standard NPT threads with M20 option.
• LED L70 reported at 76,000 hours.
• Field replaceable globes and LED driver.
• 10 Year warranty standard for select part numbers (see Catalog Numbering Guide for details).

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

STANDARD MATERIALS

• Mounting hoods and bodies: cast copper free (4/10 of 1% max.) aluminum
• Gaskets: silicone
• All hardware and catch assemblies: stainless steel
• Globe: polycarbonate or glass
• Refractor: heat-resistant prismatic glass
• Glass globe guard and safety cable: stainless steel wire
• Glass refractor guard: die cast aluminum

STANDARD FINISHES

• Mounting hoods, bodies and glass refractor guard: gray epoxy powder coat finish, electrostatically applied for complete uniform protection

OPTIONS

• Globe and refractor guards available, purchase separately
• Safety cable available, purchase separately.
• All Mercmaster luminaire have provision for fusing; add suffix –F at the end of the catalog number.
• All Mercmaster LED Generation 3 luminaire have option for 10 kV surge protection. Add suffix –S at the end of the catalog number.
• Some lumen output luminaire offer High Ambient temperature option up to 70 °C or 75 °C (158 °F or 167 °F). See Catalog Numbering Guide for specifics.
• Photocellars are available and are configured to your operating voltage. Add suffix -1 for 120V, -2 for 208V, -3 for 240V, -4 for 277V.
• Drain is available to divert water existing in the conduit system, purchase separately.

DESIGN LIGHTS™ CONSORTIUM

• Check DLC QPL for current list of products.

INTERNATIONAL DARK-SKY ASSOCIATION

• IDA Dark Sky Approved when ordering [I][M][L][G][A/B/C/D/R/W][xW][P/D/G][5B][xX] with MMVISOR accessory.

For product information:
www.masteringled.com
1.800.621.1506
INDUSTRIAL MERCMASTER™ LED GENERATION 3 SERIES LUMINAIRES

NEC/CEC RATINGS
• cULus Listed
• Type 3R, 4, 4X
• IP66/67
• Suitable for Use in Wet Locations
• Marine Outside Type (Salt Water)
• American Bureau of Shipping (ABS) Certified
• International Dark Sky (IDA) Approved

NEC/CEC CERTIFICATIONS AND COMPLIANCEs
• UL Standard: UL 1598; UL 508C; ULTS96A/UL 8750
• CSA Standard: C22.2 No. 250.0; C22.2 No. 250.13; C22.2 No. 94.2; C22.2 No. 0; C22.2 No. 60529
• NEMA ANSI/IEC Standards: 60529
• cCSAus: 164460, Certificate Number: 70129364

CATALOG NUMBERING GUIDE

<table>
<thead>
<tr>
<th>IMLG</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>P</th>
<th>BU</th>
<th>F</th>
<th>1</th>
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<tbody>
<tr>
<td>Mounting: A - Pendant</td>
<td>3 - 1&quot; NPT</td>
<td>3 - Type III ②</td>
<td>Options: ① Photoscontrol 120V ②</td>
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<tr>
<td>B - Watertight Pendant ©</td>
<td>4 - 1-1/4&quot; NPT stanchion</td>
<td>5 - Type V ②</td>
<td>Options: ③ Photoscontrol 208V ③</td>
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<tr>
<td>C - Ceiling ©</td>
<td>5 - 1-1/2&quot; NPT stanchion</td>
<td>W - Type V Wide</td>
<td>Options: ④ Photoscontrol 240V ④</td>
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<td>D - Pendant Cone ⑤</td>
<td>6 - Metric M20</td>
<td></td>
<td>Options: ⑤ Photoscontrol 277V ⑤</td>
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<tr>
<td>R - 90° Stanchion ①</td>
<td>Blank - If using adapter or no hood</td>
<td></td>
<td>5 - Additional surge to 10 kV ©</td>
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<tr>
<td>S - 25° Stanchion ①</td>
<td>K - Killark™ Adapter Universal ⑤</td>
<td>A - High Ambient ⑥ Blank - No Options Chosen</td>
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<tr>
<td>T - Trunnion</td>
<td>V - Crouse Hinds™ Adapter, Stanchion or Wall ⑩</td>
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<tr>
<td>K - Mercmaster II Adapter, Stanchion or Wall ⑨</td>
<td>X - Crouse Hinds™ Adapter, Ceiling or Pendant ⑨</td>
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<tr>
<td>U - Mercmaster II Adapter, Ceiling or Pendant ⑨</td>
<td>Y - Crouse Hinds™ Adapter, Stanchion or Wall ⑨</td>
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<tr>
<td>Blank - No mounting hood</td>
<td>L - 25° Stanchion ⑨</td>
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Options: ④ Photoscontrol 120V ©
② Photoscontrol 208V ©
③ Photoscontrol 240V ©
④ Photoscontrol 277V ©
⑤ Photoscontrol 347V ©
⑥ Photoscontrol 480V ©
⑦ Photoscontrol 480V ©
⑧ Photoscontrol 480V ©
⑨ Photoscontrol 480V ©
⑩ Photoscontrol 480V ©

Lumen (nominal):
L3 - 3,500
L5 - 5,500
L7 - 7,500
L9 - 9,500
H9 - 9,500 ④
H1 - 11,500
H3 - 13,500
H6 - 17,500
X1 - 20,000
X5 - 24,000

Globe Material:
P - Clear Polycarbonate Globe
D - Diffused Polycarbonate Globe
G - Clear Glass Globe ©
J - Glass Prismatic Refractor ©

Options: ⑥ Photoscontrol 120V ©
④ Photoscontrol 208V ©
③ Photoscontrol 240V ©
④ Photoscontrol 277V ©
⑤ Photoscontrol 347V ©
⑥ Photoscontrol 480V ©
⑦ Photoscontrol 480V ©
⑧ Photoscontrol 480V ©
⑨ Photoscontrol 480V ©
⑩ Photoscontrol 480V ©

① 3/4" NPT, 1" NPT and Metric M20 hub entries are not offered in this mounting option.
② 10 year warranty standard when ordered with light distribution pattern Type I, III or V Wide or additional (10 kV) surge protection (not available with high ambient options).
③ Guards for the glass refractors and globes are ordered separately. See the Accessories for more information.
④ See details in T-Codes table for specific model numbers.
⑤ Luminaires with photocell are not rated IP66/67, Class II, 3R, 4, 4X, or Marine Outside Type (Salt Water). Photocontrol available for 120-277 Vac only. Factory installed in the mounting hood. Photocells only certified for US.
⑥ Ceiling-mount and pendant cone mounting hoods and adapters are not designed to use the in hood photocell. Ceiling and pendant cone mounts must use an FS/FD box with photocell.
⑦ Only allowed for Type V and Type V wide light distribution.
⑧ H9 only available with High Ambient option (A).
⑨ J - Glass prismatic refractor is only available in light distribution pattern Type V. Refractor is not rated for ATEx/IECEx.
⑩ Fusing only permitted for cCSAus rating. Factory installed. Use of fuse voids Marine Outside Type (Salt Water) rating. Fusing is mounted in the driver housing.
⑪ Other CCT options available upon request. Contact your local sales representative for more information.
⑫ Adapters, watertight pendant hood and BH Voltage only certified for cCSAus.