LED solutions by Eaton's Crouse-Hinds
Eaton’s Crouse-Hinds offers the broadest portfolio of LED luminaires for any industrial or hazardous application. Additionally, we utilize more than 100 years of lighting expertise to optimize the benefits of LED technology to offer the safest and most reliable LED luminaire on the market.

Why LED?

**Useful life**
- Economic life can range anywhere between 60,000 to 170,000 hours or 7 to 20 years of maintenance-free and safe operation

**Energy efficiency**
- LED consumes on average 50% less energy than HID and 85% less energy than incandescent

**Start/restart time**
- Instant illumination versus ~10 minutes (HID)

**Lighting quality**
- Higher color rendering compared to fluorescent and HID

**Environmental benefits**
- LED reduces carbon footprint
- Mercury-free fixtures means no disposal costs

Why Crouse-Hinds?

**Industry-best reliability**
- Built to withstand extreme temperatures, high vibration, water and dust

**Thermal management**
- Engineered heat sinking ensures longer life and better lumen output

**Quality of light**
- Custom optics designed to maximize light distribution and intensity

**Retrofit compatibility**
- LEDs compatible with Crouse-Hinds HID installed base for significant installation savings

**Certified and compliant**
- Global certifications on most fixtures and a broad range of DLC qualified luminaires

### Selection guide – Harsh/heavy & light industrial

<table>
<thead>
<tr>
<th>Area Classification</th>
<th>Application</th>
<th>Product</th>
<th>Equivalent light output</th>
<th>Lumen level</th>
<th>Input watts</th>
<th>Input voltage</th>
<th>DLC Qualified</th>
</tr>
</thead>
<tbody>
<tr>
<td>High/mid bay</td>
<td>Champ® Pro PVM</td>
<td>9 models - 70W to 1000W HID replacement</td>
<td>3,000 - 26,000 lumens</td>
<td>29W to 232W</td>
<td>120-277 VAC/ 108-250 VDC, 347-480 VAC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Low bay</td>
<td>Vaporgard™ Pro P2L</td>
<td>1 model - 100W to 200W incandescent; 50W HID</td>
<td>1,600 lumens</td>
<td>22W</td>
<td>90-277 VAC, 12-24 VDC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flood</td>
<td>Champ® Pro PFM</td>
<td>9 models - 70W to 1500W HID replacement</td>
<td>3,000 - 50,000 lumens</td>
<td>28W to 531W</td>
<td>100-277 VAC/ 108-250 VDC, 347-480 VAC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Linear</td>
<td>Champ® PLL</td>
<td>2 models - 2 lamp T5HO replacement</td>
<td>3,600 - 7,100 lumens</td>
<td>29W to 55W</td>
<td>100-277 VAC/ 108-250 VDC, 347-480 VAC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wall pack</td>
<td>Endure™</td>
<td>2 models - 50W to 70W HPS &amp; 70W HID replacement</td>
<td>2,300 - 4,700 lumens</td>
<td>27W to 51W</td>
<td>120-277 VAC N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Light Industrial</td>
<td>Industrial high bay</td>
<td>5 models - 250W-1000W HID &amp; 4-10 Lamp T5HO replacement</td>
<td>16,000 - 67,000 lumens</td>
<td>145W to 582W</td>
<td>100-277 VAC/ 127-250 VDC, 347-480 VAC</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Refer to www.designlights.org Qualified Products List under family models for full listing details. Not all models are approved for all application categories.
## Selection guide – Hazardous area

<table>
<thead>
<tr>
<th>Area classification</th>
<th>Application</th>
<th>Product</th>
<th>Equivalent light output</th>
<th>Lumen level</th>
<th>Input watts</th>
<th>Input voltage</th>
<th>DLC Qualified</th>
</tr>
</thead>
<tbody>
<tr>
<td>High/mid bay</td>
<td>Champ® VMV</td>
<td>9 models - 70W to 1000W HID replacement</td>
<td>9 models - 70W to 1000W HID replacement</td>
<td>3,000 - 26,000 lumens</td>
<td>29W to 232W lumen</td>
<td>120-277 VAC/108-250 VDC, 347-480 VAC</td>
<td>(select models)*</td>
</tr>
<tr>
<td>Flood</td>
<td>Champ® FMV</td>
<td>9 models - 70W to 400W HID replacement</td>
<td>9 models - 70W to 400W HID replacement</td>
<td>3,000 - 50,000 lumens</td>
<td>28W to 531W lumen</td>
<td>100-277 VAC/108-250 VDC, 347-480 VAC</td>
<td>(select models)*</td>
</tr>
<tr>
<td>Low bay</td>
<td>Vaporgard™</td>
<td>1 models - 100W to 200W incandescent &amp; 50W HID</td>
<td>1 models - 100W to 200W incandescent &amp; 50W HID</td>
<td>1,600 lumens</td>
<td>22W</td>
<td>90-277 VAC, 12-24 VDC</td>
<td>(select models)*</td>
</tr>
<tr>
<td>Linear</td>
<td>Champ® MLL</td>
<td>2 models - 2 lamp T5HO replacement</td>
<td>2 models - 2 lamp T5HO replacement</td>
<td>3,600 - 7,100 lumens</td>
<td>29W and 55W lumen</td>
<td>100-277 VAC/108-250 VDC, 347-480 VAC</td>
<td>(select models)*</td>
</tr>
<tr>
<td>Emergency</td>
<td>Light-Pak™ N2LPS</td>
<td>1.5 hours of battery with 28W power consumption</td>
<td>1.5 hours of battery with 28W power consumption</td>
<td>N/A</td>
<td>28W</td>
<td>120, 220, 230, 240, 277 VAC</td>
<td>N/A</td>
</tr>
<tr>
<td>Exit</td>
<td>Ex-Lite/ CCH UX</td>
<td>3 models - Ex-Lite Z &amp; Ex-Lite ZE (with battery) and CCH UX</td>
<td>3 models - Ex-Lite Z &amp; Ex-Lite ZE (with battery) and CCH UX</td>
<td>N/A</td>
<td>N/A</td>
<td>120-277 VAC, 110-250 VDC</td>
<td>N/A</td>
</tr>
<tr>
<td>High/mid bay</td>
<td>Hazard•Gard® EVLL</td>
<td>5 models - 70W to 400W HID/HPS replacement</td>
<td>5 models - 70W to 400W HID/HPS replacement</td>
<td>5,700 - 13,500 lumens</td>
<td>56W to 149W lumen</td>
<td>120-277 VAC/108-250 VDC, 347-480 VAC</td>
<td>(select models)*</td>
</tr>
<tr>
<td>Low bay</td>
<td>EV LED</td>
<td>2 models - 100W to 200W incandescent &amp; 70W-100W HID replacement</td>
<td>2 models - 100W to 200W incandescent &amp; 70W-100W HID replacement</td>
<td>1,500 - 2,000 lumens</td>
<td>26W to 36W lumen</td>
<td>100-277 VAC, 10-30 VDC</td>
<td>N/A</td>
</tr>
<tr>
<td>High/mid bay</td>
<td>LPL</td>
<td>4 models - 70W to 250W HID replacement</td>
<td>4 models - 70W to 250W HID replacement</td>
<td>5,100 - 10,200 lumens</td>
<td>53W to 105W lumen</td>
<td>100-277 VAC</td>
<td>N/A</td>
</tr>
<tr>
<td>Linear</td>
<td>Hazard•Gard® XPL</td>
<td>2 models - 2 lamp T5HO replacement</td>
<td>2 models - 2 lamp T5HO replacement</td>
<td>3,800 - 7,600 lumens</td>
<td>33W and 63W lumen</td>
<td>100-277 VAC, 347-480 VAC, 108-250 VDC</td>
<td>(select models)*</td>
</tr>
<tr>
<td>Linear</td>
<td>eLLK</td>
<td>2 models - 2x18W and 2x36W fluorescent replacement</td>
<td>2 models - 2x18W and 2x36W fluorescent replacement</td>
<td>2,100 - 4,100 lumens</td>
<td>2X13W and 2X26W lumen</td>
<td>110-254 VAC, 110-250 VDC</td>
<td>N/A</td>
</tr>
<tr>
<td>Bulkhead</td>
<td>AB05</td>
<td>1 model - 150W incandescent replacement</td>
<td>1 model - 150W incandescent replacement</td>
<td>2,000 lumens</td>
<td>32W</td>
<td>120-240 VAC</td>
<td>N/A</td>
</tr>
<tr>
<td>Low bay</td>
<td>EV35</td>
<td>1 model - 100W to 150W incandescent &amp; 50W mercury vapor replacement</td>
<td>1 model - 100W to 150W incandescent &amp; 50W mercury vapor replacement</td>
<td>2,120 lumens</td>
<td>32W</td>
<td>220-240 VAC</td>
<td>N/A</td>
</tr>
</tbody>
</table>

* Refer to www.desiglimits.org Qualified Products List under family models for full listing details. Not all models are approved for all application categories.
**Champ® Pro PFM LED floodlights**

**PRIMARY APPLICATIONS**
Indoor and outdoor area lighting in manufacturing plants, mine sites and processing areas, platforms, loading docks and parking areas.

**LUMINAIRE MODELS**

<table>
<thead>
<tr>
<th>Model number</th>
<th>Equivalent HID luminaire</th>
<th>Typical energy savings/lifetime</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFM3L</td>
<td>70W</td>
<td></td>
</tr>
<tr>
<td>PFM5L</td>
<td>100W-150W</td>
<td></td>
</tr>
<tr>
<td>PFM7L</td>
<td>150W-175W</td>
<td></td>
</tr>
<tr>
<td>PFM9L</td>
<td>175W-250W</td>
<td></td>
</tr>
<tr>
<td>PFM11L</td>
<td>250W-400W</td>
<td></td>
</tr>
<tr>
<td>PFM13L</td>
<td>400W</td>
<td></td>
</tr>
<tr>
<td>PFM15L</td>
<td>400W-500W</td>
<td></td>
</tr>
<tr>
<td>PFM20L</td>
<td>600W-750W</td>
<td></td>
</tr>
<tr>
<td>PFM25L</td>
<td>750W-1000W</td>
<td></td>
</tr>
<tr>
<td>PFM50L</td>
<td>1,500W</td>
<td></td>
</tr>
</tbody>
</table>

**CERTIFICATIONS & COMPLIANCES**
- UL1598; UL1598A; UL8750
- cUL
- Type 4X
- IP66
- DesignLights Consortium® approved for select models*
- UL approved up to 65°C ambient (3L-15L)
- cUL Listed to CSA Standard CSA C22.2 No. 250
- IEC Standards: IEC 60598; CE

**ELECTRICAL RATINGS**
- Voltages: 100-277 VAC, 347-480 VAC, 108-250 VDC

**OPTIONS AND ACCESSORIES**
- Bolt-on visor
- Bolt-on wire guard
- Floodlight slipfitter (not available on 50L)
- Slipfitter wall mount adapter
- Polycarbonate lens
- Diffused glass lens
- Dimmable driver (NEC only)
- 3x3 optic (select models)

**DESIGN FEATURES**

A **Versatile design** - Can be used for outdoor or indoor applications, and for a wide range of mounting heights depending on model and light level requirement.

B **Rugged heat sink** - Designed to perform in high ambient temperatures up to +65°C and as low as -40°C. The thick walls of the castings make for a tough, rugged housing that keeps the internal driver and LED temperatures down.

C **High lumen output** - Up to 117 lumens per watt.

D **Full-frame yoke** - Designed to utilize the SFA6 slipfitter and SWB6 wall mount bracket, making it ideal for retrofit or new installations.

E **Multiple lens options** - Tempered and clear glass standard, polycarbonate and diffused glass options available.

F **Smaller and lighter** - 25% smaller and 10 lbs (4.5 kg) lighter that previous model (3L-25L models).

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* Refer to www.designlights.org Qualified Products List under family models for full listing details. Not all models are approved for all application categories.
Harsh & heavy industrial

Champ® Pro PVM LED luminaire

PRIMARY APPLICATIONS
Locations requiring continuous and consistent light levels in extreme ambient temperatures, such as manufacturing plants, mine sites, heavy industrial or petrochemical facilities, food and beverage facilities, marine environments, platforms, loading docks, tunnels, outdoor wall and stanchion mounted general area lighting.

LUMINAIRE MODELS

<table>
<thead>
<tr>
<th>Model number</th>
<th>Equivalent HID luminaire</th>
<th>Typical energy savings/lifetime</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVM3L</td>
<td>70W-100W</td>
<td></td>
</tr>
<tr>
<td>PVM5L</td>
<td>100W-150W</td>
<td></td>
</tr>
<tr>
<td>PVM7L</td>
<td>150W-175W</td>
<td></td>
</tr>
<tr>
<td>PVM9L</td>
<td>250W-320W</td>
<td></td>
</tr>
<tr>
<td>PVM11L</td>
<td>320W-400W</td>
<td></td>
</tr>
<tr>
<td>PVM13L</td>
<td>400W</td>
<td></td>
</tr>
<tr>
<td>PVM17L</td>
<td>400W-600W</td>
<td></td>
</tr>
<tr>
<td>PVM21L</td>
<td>600W-750W</td>
<td></td>
</tr>
<tr>
<td>PVM25L</td>
<td>750W-1,000W</td>
<td></td>
</tr>
</tbody>
</table>

CERTIFICATIONS & COMPLIANCES
- UL1598; UL1598A
- cUL
- NEMA 4X, IP66, Wet Locations
- DesignLights Consortium® approved for select models*
- cUL Listed to CSA Standard CSA C22.2 No. 250
- IEC standard: CE
- UL approved up to 65°C ambient (3L-11L UNV1; all other models 55°C)

ELECTRICAL RATINGS
- Voltages: 120-277 VAC/108-250 VDC, 347/480 VAC

OPTIONS AND ACCESSORIES
- Quick clip
- Diffused lens
- Teflon coated lens
- Polycarbonate lens
- Wire guard
- Trunnion mount
- Cone top hat
- Occupancy sensor and remote

* Refer to www.designlights.org Qualified Products List under family models for full listing details. Not all models are approved for all application categories.
Champ® PLL linear LED luminaire

PRIMARY APPLICATIONS
Ideal for a variety of non-hazardous applications such as mining, food processing, marine, waste-water treatment heavy manufacturing and general wash down areas.

LUMINAIRE MODELS

<table>
<thead>
<tr>
<th>Model number</th>
<th>Equivalent fluorescent luminaire</th>
<th>Typical energy savings/lifetime</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLL2</td>
<td>2 x 2 ft. T5/T8/ T12HO</td>
<td>Up to 63% reduction in energy costs and 60,000 hours of continuous operation!</td>
</tr>
<tr>
<td>PLL4</td>
<td>2 x 4 ft. T5/T8/ T12HO</td>
<td></td>
</tr>
</tbody>
</table>

CERTIFICATIONS & COMPLIANCES
- UL1598; UL1598A; UL924
- CSA C22.2 No. 250
- Type 4X, IP66, Wet Locations
- ABS design assessed
- DesignLights Consortium® approved for select models*

ELECTRICAL RATINGS
- Voltage: 100-277 VAC, 347-480 VAC, 108-250 VDC
- Input power: 32W, 63W

OPTIONS AND ACCESSORIES
- Glass or polycarbonate lens
- Diffused glass or polycarbonate lens
- Flush/back, ceiling/swivel, wall, offset wall, pole and pendant mounts
- Safety chain kit
- Epoxy painted or natural aluminum finish

Up to 63% more energy efficient than a T5HO fluorescent light and 8 times the rated life

DESIGN FEATURES

A. Best-in-class efficacy - Up to 130 lumens per watt.
B. Custom optics - Standard wide (120°) and narrow (80°) beam pattern for a wide variety of general and targeted applications.
C. Built to last - 2,000 psi high pressure hose down rated; high vibration resistant; 60,000 hour lifetime @ 55°C ambient.
D. Slim profile - 2.7" fixture height (excluding mounting brackets), perfect for mounting in confined or low height areas.
E. Quick & easy installation - Easy access to drivers and wiring; no custom brackets or hardware needed; Seven mounting options available.

* Refer to www.designlights.org Qualified Products List under family models for full listing details. Not all models are approved for all application categories.
**DESIGN FEATURES**

**A** Domeless reflector, low profile design - Designed for low mounting heights and confined spaces where incandescent and HID based luminaires are too large.

**B** Installation and replacement made simple - Installed using the same mounting modules as existing Eaton’s Crouse-Hinds Vaporgard™ fixtures.

**C** Safe, reliable heat transfer - Heat sink engineered to safely and effectively remove heat from the LED and driver, ensuring long product life and superior T-ratings.

**D** High power multi-die LED arrays - Provides instant on and full illumination in the harshest conditions, even when exposed to high, repeated vibration.

**85% more energy-efficient than a 200 watt incandescent and over 20 times the rated life**

**PRIMARY APPLICATIONS**
Indoor or outdoor areas with low mounting heights or confined spaces, such as tunnels and catwalks, over doorways or entries, landing areas, utility rooms, etc.

**LUMINAIRE MODELS**

<table>
<thead>
<tr>
<th>Model number</th>
<th>Equivalent HID luminaire</th>
<th>Typical energy savings/lifetime</th>
</tr>
</thead>
<tbody>
<tr>
<td>P2LC/UNV1</td>
<td>50W HID or 100-200W incandescent</td>
<td>Up to 85% reduction in energy costs and 50,000 hours of continuous operation!</td>
</tr>
<tr>
<td>P2LW/UNV1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P2LC/DC1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P2LW/DC1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CERTIFICATIONS & COMPLIANCES**
- UL1598
- UL1598A
- cUL Listed to CSA Standard CSA 22.2 No. 250
- Type 4X, IP66, Wet Locations
- DesignLights Consortium® approved for select models*
- IEC Standard: CE

**ELECTRICAL RATINGS**
- Voltages: 90-264 VAC; 277 VAC, 12-24 VDC
- Input power: 22W

**OPTIONS AND ACCESSORIES**
- Frosted lens
- Teflon coated lens
- High temperature option (55°C)
- Warm white (3000K) and cool white (5600K) color temperatures
- 12-24 VDC driver

* Refer to www.designlights.org Qualified Products List under family models for full listing details. Not all models are approved for all application categories.
 PRIMARY APPLICATIONS
Ideal for a variety of complex non-hazardous applications such as mining, food processing, marine, wastewater treatment, heavy manufacturing and general wash-down areas.

LUMINAIRE MODELS

<table>
<thead>
<tr>
<th>Model number</th>
<th>Equivalent HID luminaire</th>
<th>Typical energy savings/lifetime</th>
</tr>
</thead>
<tbody>
<tr>
<td>FM1 B01</td>
<td>50W</td>
<td>59%</td>
</tr>
<tr>
<td>FM1 B02</td>
<td>70W</td>
<td>43%</td>
</tr>
</tbody>
</table>

50,000 hours of continuous operation!

CERTIFICATIONS & COMPLIANCES
- UL1598
- cUL
- IP66

ELECTRICAL RATINGS
- Input power: 27W, 51W

50,000 hours rated life and up to 59% more energy-efficient than equivalent 70 watt HID luminaire

DESIGN FEATURES

A White light - Provides superior color rendering and ambient clarity. Optics are precisely designed to shape the distribution, maximizing efficiency and application spacing.

B Energy efficiency and longer life - 50,000 hours rated life and up to 59% more energy-efficient than the 70W high pressure sodium equivalent.

C Reduction in light pollution - Controlled distribution of light means far less light loss.

D IP66 ingress protection rating and -30°C to 50°C ambient temperature rating - Ensures trouble-free operation in a variety of harsh and complex applications.

E Junction box - Polycarbonate, IP66 rated, four screws to access cover, double row terminal box to expedite installation.
**DESIGN FEATURES**

A **Increased efficiency** - Up to 117 lumens per watt.

B **Multiple mounting options** - Available with pendant, aircraft cable or jack chain mounting.

C **Aluminum heat sinks for superior thermal management.**

D **Multiple lens options** - Tempered and clear glass standard, diffused glass and clear or diffused polycarbonate options available.

E **Optional occupancy sensor kit available.**

**PRIMARY APPLICATIONS**

IHB LED luminaires are the perfect replacement for 250W-1,500W HID and 4-10 lamp T5HO fluorescent high bay fixtures. Designed for locations requiring continuous and consistent light levels, requiring frequent on-and-off of lights and that are difficult to relamp or that cause production to be stopped during the lamp maintenance process.

**LUMINAIRE MODELS**

<table>
<thead>
<tr>
<th>Model number</th>
<th>Equivalent luminaire</th>
<th>Typical energy savings/lifetime</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHB16L</td>
<td>250-500W HID or 4 lamp T5HO</td>
<td>Up to 72% reduction in energy costs and 60,000 hours of continuous operation!</td>
</tr>
<tr>
<td>IHB24L</td>
<td>400-750W HID or 4-6 lamp T5HO</td>
<td></td>
</tr>
<tr>
<td>IHB32L</td>
<td>500-1000W HID or 6-8 lamp T5HO</td>
<td></td>
</tr>
<tr>
<td>IHB48L</td>
<td>750-1,500W HID or 8-10 lamp T5HO</td>
<td></td>
</tr>
<tr>
<td>IHB64L</td>
<td>1,000-1,500W HID or 10 lamp T5HO</td>
<td></td>
</tr>
</tbody>
</table>

**CERTIFICATIONS & COMPLIANCES**

- UL1598; UL8750
- cULus
- Damp location
- DesignLights Consortium® approved for select models

**ELECTRICAL RATINGS**

- Voltages: 100-277 VAC/127-250 VDC, 347-480 VAC

**OPTIONS AND ACCESSORIES**

- Occupancy sensor kits
- Diffused or clear lens (glass or polycarbonate)
- Lens guard
- Open ended and closed dust cover kits
- Dimmable driver
- Wide or aisle optic
- Pendant, aircraft cable or jack chain mounting

* Refer to www.designlights.org Qualified Products List under family models for full listing details. Not all models are approved for all application categories.
Champ® FMV LED floodlights

**PRIMARY APPLICATIONS**
Indoor and outdoor area lighting in manufacturing plants, heavy industrial chemical and petrochemical facilities, platforms, loading docks and parking lots.

**LUMINAIRE MODELS**

<table>
<thead>
<tr>
<th>Model number</th>
<th>Equivalent HID luminaire</th>
<th>Typical energy savings/lifetime</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMV3L</td>
<td>70W</td>
<td></td>
</tr>
<tr>
<td>FMV5L</td>
<td>100W-150W</td>
<td></td>
</tr>
<tr>
<td>FMV7L</td>
<td>150W-175W</td>
<td></td>
</tr>
<tr>
<td>FMV9L</td>
<td>175W-250W</td>
<td></td>
</tr>
<tr>
<td>FMV11L</td>
<td>250W-400W</td>
<td></td>
</tr>
<tr>
<td>FMV13L</td>
<td>400W</td>
<td></td>
</tr>
<tr>
<td>FMV15L</td>
<td>400W-500W</td>
<td></td>
</tr>
<tr>
<td>FMV20L</td>
<td>600W-750W</td>
<td></td>
</tr>
<tr>
<td>FMV25L</td>
<td>705W-1000W</td>
<td></td>
</tr>
<tr>
<td>FMV50L</td>
<td>1,500W</td>
<td></td>
</tr>
</tbody>
</table>

**CERTIFICATIONS & COMPLIANCES**
- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 2
- Class II, Groups E, F, G; Simultaneous Presence; Class III
- Type 4X, IP66
- UL844; UL1598; UL1598A; UL8750
- CSA C22.2 No. 137
- IECEx/ATEX Certified; Zone 2/22
- CE
- DesignLights Consortium® approved for select models*

**ELECTRICAL RATINGS**
- Voltages: 100-277 VAC/108-250 VDC, 347-480 VAC

**OPTIONS AND ACCESSORIES**
- Bolt-on visor; bolt-on wire guard
- Floodlight slipfitter
- Slipfitter wall mount adapter (not available for 50L)
- Diffused glass lens
- Dimmable driver (NEC rated models only)
- 3x3 optic (select models)

**DESIGN FEATURES**

**A** Versatile design - Can be used for outdoor or indoor applications, and for a wide range of mounting heights depending on model and light level requirement.

**B** Rugged heat sink - Designed to perform in high ambient temperatures up to +65°C and as low as -40°C. The thick walls of the castings make for a tough, rugged housing that keeps the internal driver and LED temperatures down.

**C** High lumen output - Up to 117 lumens per watt.

**D** Full-frame yoke - Designed to utilize the SFA6 slipfitter and SWB6 wall mount bracket, making it ideal for retrofit or new installations.

**E** Multiple lens options - Tempered and clear glass standard, polycarbonate and diffused glass options available.

**F** Smaller and lighter - 25% smaller and 10 lbs (4.5 kg) lighter that previous model (3L-25L models).

**Up to 6 times longer life and 78% reduction in power consumption compared to equivalent HID floodlights**

* Refer to www.designlights.org Qualified Products List under family models for full listing details. Not all models are approved for all application categories.
**DESIGN FEATURES**

A. **Modular design** - This contractor-friendly design is ideal for both retrofit and new construction applications.

B. **Safe, reliable heat transfer** - Die cast aluminum housing provides safe and effective heat transfer from the LED assembly to the outside environment, ensuring low LED junction temperature, reliability and sustained lumen performance.

C. **High efficiency drivers** - Designed to provide reliable operation in even the harshest environments.

D. **Type 4X rated** - The LED housing is constructed of durable die cast aluminum, providing an efficient thermal path to the heat sink assembly. The impact-resistant lens is sealed from the outside environment and provides ingress protection against water and dust.

E. **Custom optics** - Type I, III and V optics designed to maximize light distribution and intensity.

F. **Lever-lock connectors and 3-pole terminal block.**

---

**Hazardous Area**

**Champ® VMV LED luminaires**

**PRIMARY APPLICATIONS**

Locations requiring continuous and consistent light levels in extreme ambient temperatures, such as manufacturing plants, heavy industrial or petrochemical facilities, food and beverage facilities, platforms, loading docks, tunnels, outdoor wall and stanchion mounted general area lighting.

**LUMINAIRE MODELS**

<table>
<thead>
<tr>
<th>Model number</th>
<th>Equivalent HID luminaire</th>
<th>Typical energy savings/lifetime</th>
</tr>
</thead>
<tbody>
<tr>
<td>VMV3L</td>
<td>70W-100W</td>
<td></td>
</tr>
<tr>
<td>VMV5L</td>
<td>100W-150W</td>
<td></td>
</tr>
<tr>
<td>VMV7L</td>
<td>150W-175W</td>
<td></td>
</tr>
<tr>
<td>VMV9L</td>
<td>250W-320W</td>
<td></td>
</tr>
<tr>
<td>VMV11L</td>
<td>320W-400W</td>
<td></td>
</tr>
<tr>
<td>VMV13L</td>
<td>400W</td>
<td></td>
</tr>
<tr>
<td>VMV17L</td>
<td>400W-600W</td>
<td></td>
</tr>
<tr>
<td>VMV21L</td>
<td>600W-750W</td>
<td></td>
</tr>
<tr>
<td>VMV25L</td>
<td>750W-1000W</td>
<td></td>
</tr>
</tbody>
</table>

*Up to 77% reduction in energy costs and 60,000 hours of continuous operation!*

**CERTIFICATIONS & COMPLIANCES**

- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 2 n R; Zone 21 tb
- Class II, Groups E, F, G; Class III
- Simultaneous presence
- UL844; UL1598; UL1598A; UL8750; UL50; UL50E
- cUL Listed to CSA C22.2 No. 137
- NEMA 4X, IP66, Wet Locations
- IECEx/ATEX Certified; Zone 2/21
- DesignLights Consortium® approved for select models*
- CE

**ELECTRICAL RATINGS**

- Voltages: 120-277 VAC/ 108-250 VDC, 347/480 VAC

**OPTIONS AND ACCESSORIES**

- Quick clip
- Diffused lens
- Teflon coated lens
- Polycarbonate lens
- Wire guard
- Trunnion mount
- Cone top hat
- Type I, III and V optics
- Terminal block (TB6) 6-pole

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* Refer to www.designlights.org Qualified Products List under family models for full listing details. Not all models are approved for all application categories.
Hazard•Gard® XPL linear LED luminaires

PRIMARY APPLICATIONS
Ideal for Class I, Division 1 and Class II, Division 1 areas in wastewater treatment, oil and gas refineries, drilling rigs, petrochemical facilities, food and beverage facilities, tunnels, outdoor wall and stanchion mounted general area lighting, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.

LUMINAIRE MODELS

<table>
<thead>
<tr>
<th>Model number</th>
<th>Equivalent fluorescent luminaire</th>
<th>Typical energy savings/lifetime</th>
</tr>
</thead>
<tbody>
<tr>
<td>XPL2</td>
<td>2 x 2 ft. T5/T8/T12HO</td>
<td>Up to 53% reduction in energy costs and 60,000 hours of continuous operation!</td>
</tr>
<tr>
<td>XPL4</td>
<td>2 x 4 ft. T5/T8/T12HO</td>
<td></td>
</tr>
</tbody>
</table>

CERTIFICATIONS & COMPLIANCES
- Class I, Division 1, Groups C, D
- Class II, Division 1, Groups E, F, G
- Class III
- UL844; UL1598; UL1598A
- CSA C22.2 No. 137
- NEMA 4X, IP66, Marine and Wet Locations, Paint spray rated
- DesignLights Consortium® approved for select models*

ELECTRICAL RATINGS
- Voltage: 100-277 VAC/108-250 VDC, 347-480 VAC
- Input power: 34W, 63W

OPTIONS AND ACCESSORIES
- Glass or difussed glass lens
- Flush, pole and swivel/surface mounts
- Polycarbonate paint spray lens shield kit
- Safety chain kit

Design Features

A. **Best-in-class efficacy** - Up to 130 lumens per watt.
B. **Custom optics** - Standard wide (120°) beam spread maximizes illumination on wall panels.
C. **Built to last** - 2,000 psi high pressure hose down rated; passed 5G vibration test; 60,000 hour lifetime @ 55°C ambient.
D. **Slim profile** - Less than 5” fixture height (excluding mounting brackets), perfect for mounting in confined or low height areas.
E. **Quick & easy installation** - Easy access to drivers and wiring; no custom brackets or hardware needed; Two mounting options available.

Up to 53% more energy efficient than a T5HO fluorescent light and 8 times the rated life
Up to 67% more energy efficient than a T5HO fluorescent light and 8 times the rated life

DESIGN FEATURES

A  Best-in-class efficacy - Up to 130 lumens per watt.

B  Custom optics - Standard wide (120°) and narrow (80°) beam pattern for a wide variety of general and targeted applications.

C  Built to last - Passed 2,000 psi high pressure hose test; passed 5G vibration test; 60,000 hour lifetime @ 55°C ambient.

D  Slim profile - 2.7” fixture height (excluding mounting brackets), perfect for mounting in confined or low height areas.

E  Quick & easy installation - Easy access to drivers and wiring; no custom brackets or hardware needed; Seven mounting options available.

PRIMARY APPLICATIONS

Oil and gas refineries, petrochemical facilities, food and beverage facilities, platforms, loading docks, tunnels outdoor and stanchion mounted general area lighting, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.

LUMINAIRE MODELS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Equivalent fluorescent luminaire</th>
<th>Typical energy savings/lifetime</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLL2</td>
<td>2 x 2 ft. T5/T8/T12HO</td>
<td>Up to 67% reduction in energy costs and 60,000 hours of continuous operation!</td>
</tr>
<tr>
<td>MLL4</td>
<td>2 x 4 ft. T5/T8/T12HO</td>
<td></td>
</tr>
</tbody>
</table>

CERTIFICATIONS & COMPLIANCES

- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 2
- Class II, Division 1, Groups F, G
- UL844; UL1598; UL1598A; UL924
- CSA C22.2 No. 137
- NEMA 4X, IP66, Marine and Wet Locations
- DesignLights Consortium® approved for select models*
- ABS design assessed

ELECTRICAL RATINGS

- Voltage: 100-277 VAC, 347-480 VAC, 108-250 VDC
- Input power: 29W, 55W

OPTIONS AND ACCESSORIES

- Glass or polycarbonate lens
- Diffused glass or polycarbonate lens
- Flush/behind, ceiling/swivel, wall, offset wall, pole and pendant mounts
- Safety chain kit
- Epoxy painted or natural aluminum finish

* Refer to www.designlights.org Qualified Products List under family models for full listing details. Not all models are approved for all application categories.

** See product brochure for lens type.
Hazard•Gard®
EVLL LED luminaires

PRIMARY APPLICATIONS
Used for general lighting in areas where flammable or explosive vapors or gases are present, such as petroleum refineries, chemical and petrochemical plants, oil terminals, gas plants, drilling platforms and wastewater treatment plants.

LUMINAIRE MODELS

<table>
<thead>
<tr>
<th>Model number</th>
<th>Equivalent HID luminaire</th>
<th>Typical energy savings/lifetime</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVLL5L</td>
<td>100W-150W</td>
<td>Up to 62% reduction in energy costs and 60,000 hours of continuous operation!</td>
</tr>
<tr>
<td>EVLL7L</td>
<td>150W-175W</td>
<td></td>
</tr>
<tr>
<td>EVLL9L</td>
<td>175W-250W</td>
<td></td>
</tr>
<tr>
<td>EVLL11L</td>
<td>250W-320W</td>
<td></td>
</tr>
<tr>
<td>EVLL13L</td>
<td>320W-400W</td>
<td></td>
</tr>
</tbody>
</table>

CERTIFICATIONS & COMPLIANCES
- Class I, Division 1, Groups B, C, D
- Class I, Zone 1, Groups IIB + H2, IIB, IIA
- Class II, Groups E, F, G
- Class III, Simultaneous Presence
- UL844; UL1598; UL1598A
- CSA C22.2 No. 137
- NEMA 4X, IP66, Wet Locations
- CE
- ATEX/IECEX, Zone 1/21

ELECTRICAL RATINGS
- Voltages: 120-277 VAC/108-250 VDC, 347-480 VAC
- Input power: 56W, 85W, 112W, 115W, 149W

OPTIONS AND ACCESSORIES
- Trunnion mount
- Guard
- Color temperature: warm (3000K) or cool (5000K)
- Pendant, ceiling, stanchion and wall mounts

Energy-efficient and globally certified explosionproof workhorse for general area and high bay lighting applications

DESIGN FEATURES

A Retrofittable to install base - Adapter available for connection to existing Hazard•Gard® EVI, EVLP and EVM modules.

B Quick-connect design - Install and wire the mounting module, then simply screw in the luminaire.

C Factory sealed - No external sealing fittings required in Groups B, C and D.

D 60,000 hours rated life - Eliminates the need for frequent lamp replacement.

E Shock- and vibration-resistant - The LED housing is constructed of durable diecast aluminum, providing efficient long life
EV LED luminaires

PRIMARY APPLICATIONS
Indoors or outdoors in process and storage areas, corridors, bridges and stairs.

LUMINAIRE MODELS

<table>
<thead>
<tr>
<th>Model number</th>
<th>Equivalent luminaire</th>
<th>Typical energy savings/lifetime</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVLEDC201</td>
<td>100W-200W incandescent</td>
<td>Up to 85% reduction in energy costs and 50,000 hours of continuous operation!</td>
</tr>
<tr>
<td>EVLEDC701</td>
<td>70W-100W HID</td>
<td></td>
</tr>
</tbody>
</table>

CERTIFICATIONS & COMPLIANCES
- Class I, Division 1, Groups C, D
- Class I, Zone 1 & 2, Group IIIB
- Class II, Groups E, F, G
- Class III; Simultaneous Presence
- UL844; UL1598; UL1598A
- CSA C22.2 No. 137
- Type 4X, IP66

ELECTRICAL RATINGS
- Voltages: 100-277 VAC, 10-30 VDC
- Input power: 26W, 30W, 36W

OPTIONS AND ACCESSORIES
- Amber color
- Color temperature: warm white (3500K)
- 10-30 VDC

DESIGN FEATURES

A Retrofittable mounting modules - Compatible with existing EV Series mounting modules, which reduces retrofit installation time and materials costs, and makes new construction installation easy.

B 20 times longer life than incandescents in tough-to-maintain Division 1 locations.

Up to 85% reduction in energy costs and 50,000 hours of continuous operation
Vaporgard™
LED luminaires

PRIMARY APPLICATIONS
Indoor or outdoor areas with low mounting heights or confined spaces, such as tunnels and catwalks, over doorways or entries, landing areas, utility rooms, etc.

LUMINAIRE MODEL

<table>
<thead>
<tr>
<th>Model number</th>
<th>Equivalent luminaire</th>
<th>Typical energy savings/lifetime</th>
</tr>
</thead>
<tbody>
<tr>
<td>V2L</td>
<td>100W-200W incandescent</td>
<td>Up to 85% reduction in energy costs and 60,000 hours of continuous operation!</td>
</tr>
<tr>
<td></td>
<td>50W HID</td>
<td></td>
</tr>
</tbody>
</table>

CERTIFICATIONS & COMPLIANCES

- Class I, Division 2, Groups A, B, C, D
- Class II, Division 1, Groups F, G
- UL844; UL1598; UL1598A
- CSA C22.2 No. 137
- NEMA 4X
- UL1598; UL1598A
- IP66
- RoHS Compliant
- ATEX/IECEx Zone2/22
- DesignLights Consortium® approved for select models*

ELECTRICAL RATINGS

- Voltages: 90-264 VAC, 277 VAC, 12-24 VDC
- Input power: 22W

OPTIONS AND ACCESSORIES

- Frosted lens
- Teflon coated lens
- High temperature option (55°C)
- Brazil (CEPEL) Certification
- Color temperature: Warm white (3000K)
- 12-24 VDC Driver

85% more energy-efficient than a 200 watt incandescent and over 20 times the rated life

DESIGN FEATURES

A Domeless reflector, low profile design - Designed for low mounting heights and confined spaces where incandescent and HID based luminaires are too large.

B Installation and replacement made simple - Installed using the same mounting modules as existing Eaton’s Crouse-Hinds Vaporgard™ fixtures.

C Safe, reliable heat transfer - Heat sink engineered to safely and effectively remove heat from the LED and driver, ensuring long product life and superior T-ratings.

D High power multi-die LED arrays - Provides instant on and full illumination in the harshest conditions, even when exposed to high, repeated vibration.

* Refer to www.designlights.org Qualified Products List under family models for full listing details. Not all models are approved for all application categories.
LED emergency and exit luminaires

Light-Pak™ N2LPS Emergency Lighting

PRIMARY APPLICATIONS

Used to provide reliable illumination for egress areas during failure or interruption of power to the normal lighting system.

N2LPS DESIGN FEATURES

A Non-metallic, enclosed, gasketed housing - Provides corrosion protection in the most extreme environments.

B Durable and marine rated LED lamp head assemblies - Provide protection against water ingress, corrosion and impact.

C Nickel cadmium battery - High temperature rated nickel cadmium battery for reliable operation up to 55°C ambient.

D Reduced maintenance costs - Self-test, monitoring and diagnostics reduce costly maintenance checks.

E Remote mountable lamp heads - Lamp heads can be mounted independently from the enclosure, allowing you to focus light where you need it.

Exit Lighting DESIGN FEATURES

F Corrosion- and impact-resistant housing - Ensures long product life and reliability.

G Nickel cadmium battery - Premium heavy duty nickel cadmium battery with 24-hour charge and recharge time increases safety by recovering quickly from an outage.

H "EXIT" legend with alternative directional arrows - Left, right or left and right; simple field modification (Ex-Lite only).

CERTIFICATIONS & COMPLIANCES

• Class I, Division 2, Groups B, C, D
• Class I, Zone 2
• UL844; UL924; UL1598A
• C22.2 No. 141-M1985; C22.2 No. 137-M1981
• Life Safety Code NFPA101® - Section 5-9
• Type 4X

ELECTRICAL RATINGS

• Power supply input: 120, 220, 230, 240, 277 sVAC; 28W max.

LED Exit Signs

PRIMARY APPLICATIONS

Used for marking escape routes and exits in potentially explosive atmospheres.

CERTIFICATIONS & COMPLIANCES

Ex-Lite:
• Class I, Division 2, Groups A, B, C, D
• Class I, Zone 1, AEx em ib IIC (NEC)
• Class I, Zone 1, Ex em ib IIC (CEC)
• Class II, Division 2, Groups F, G (NEC)
• Class II, Division 2, Groups E, F, G (CEC)
• IP66
• UL844; UL924/CSA22.2 No. 141-02; UL60079CSA22.2 E60079; UL1203/CSA22.2 E6124-1-1-02

CCH UX:
• NEMA 4X; UL50
• UL924 Wet Location
• IP65; IP66
• Class I, Division 2, Groups A, B, C, D
• NSF

ELECTRICAL RATINGS

• Voltages: 120-277 VAC, 110-250 VDC (Ex-Lite only)
• Power consumption: 6VA

<table>
<thead>
<tr>
<th>Model number</th>
<th>Battery life</th>
</tr>
</thead>
<tbody>
<tr>
<td>N2LPS</td>
<td>90 minutes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Rating</th>
<th>Battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ex-Lite Z</td>
<td>Hazardous</td>
<td>No</td>
</tr>
<tr>
<td>Ex-Lite ZE</td>
<td>Hazardous</td>
<td>Yes</td>
</tr>
<tr>
<td>CCH UX</td>
<td>Industrial/Hazardous</td>
<td>Optional</td>
</tr>
</tbody>
</table>

Emergency & exit lighting

Exit lighting only

N2LPS DESIGN FEATURES

A Non-metallic, enclosed, gasketed housing - Provides corrosion protection in the most extreme environments.

B Durable and marine rated LED lamp head assemblies - Provide protection against water ingress, corrosion and impact.

C Nickel cadmium battery - High temperature rated nickel cadmium battery for reliable operation up to 55°C ambient.

D Reduced maintenance costs - Self-test, monitoring and diagnostics reduce costly maintenance checks.

E Remote mountable lamp heads - Lamp heads can be mounted independently from the enclosure, allowing you to focus light where you need it.

Exit Lighting DESIGN FEATURES

F Corrosion- and impact-resistant housing - Ensures long product life and reliability.

G Nickel cadmium battery - Premium heavy duty nickel cadmium battery with 24-hour charge and recharge time increases safety by recovering quickly from an outage.

H "EXIT" legend with alternative directional arrows - Left, right or left and right; simple field modification (Ex-Lite only).
eLLK
linear LED luminaires

PRIMARY APPLICATIONS
Designed for use in outdoor and indoor hazardous and non-hazardous areas where moisture or corrosion may be a problem, such as offshore oil platforms, pharmaceutical plants, oil refineries and industrial locations.

LUMINAIRE MODELS

<table>
<thead>
<tr>
<th>Model number</th>
<th>Equivalent luminaire</th>
<th>Battery</th>
<th>Typical energy savings/lifetime</th>
</tr>
</thead>
<tbody>
<tr>
<td>eLLK LED 400</td>
<td>2x18W fluorescent</td>
<td>No</td>
<td>Up to 20% reduction in energy costs and 60,000 hours of continuous operation!</td>
</tr>
<tr>
<td>eLLK LED 800</td>
<td>2x36W fluorescent</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>eLLK LED 400 NiB</td>
<td>2x18W fluorescent</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>eLLK LED 800 NiB</td>
<td>2x36W fluorescent</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

CERTIFICATIONS & COMPLIANCES
- II 2G Ex de mb IIC T80 °C Db IP66
- II 2D Ex tb IIC T80 °C Db IP66
- BVS 09 ATEX E 034
- Ex de mb IIC T4 Gb/Ex tb IIC T80 °C
- IECEx BVS 09.0033
- CSAus, Zone 1 (Division 2)

ELECTRICAL RATINGS
- Voltages: 110-254 VAC, 110-250 VDC; 50/60 Hz
- Input power: 2x13W, 2x26W

OPTIONS AND ACCESSORIES
- LED module 400 (2x13W) for eLLK/M 92 018/18
- LED module 800 (2x26W) for eLLK/M 92 036/36
- Through wiring single/double ended
- Cable glands
  - Ex-e M25 x 1.5 (plastic) for cables 8-17mm in diameter
  - M20 x 1.5 metal threaded

DESIGN FEATURES
- **A** High output - Illuminance (lux/Fc) equivalent to related fluorescent tubes at measurement plane.
- **B** Non-metallic design - Fiberglass-reinforced polyester construction for extreme durability.
- **C** Retrofit friendly - Retrofits to existing eLLK/nLLK fixtures with existing EVG 09 ballast or as a complete unit.
- **D** Better visibility - Glare minimized by indirect emission from luminaire’s built-in reflector.
- **E** Emergency battery pack - (NiB versions only)
A long-life, energy-efficient luminaire for general area lighting in hazardous IEC applications

DESIGN FEATURES

A Robust construction - This corrosion-proof fixture offers high quality, shock- and vibration-resistant LEDs, copper-free aluminum housing and an impact-resistant glass globe.

B Excellent thermal management - Provides over 50,000 hours of life.

C Lead-free and environmentally-friendly.

LPL LED luminaires

PRIMARY APPLICATIONS
Suitable for Zone 1 and Zone 2 Ex-Gas and Zone 21/22 Ex-Dust hazardous areas, such as heavy industrial, chemical, petrochemical or pharmaceutical facilities, platforms, shipyards, electric power, loading docks, wastewater treatment plants and paper mills.

LUMINAIRE MODELS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Equivalent HID Luminaire</th>
<th>Typical Energy Savings/Lifetime</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPL06-C57-5L</td>
<td>70W-100W</td>
<td>Up to 40% reduction in energy costs and 60,000 hours of continuous operation!</td>
</tr>
<tr>
<td>LPL06-C57-7L</td>
<td>150W</td>
<td></td>
</tr>
<tr>
<td>LPL06-C57-9L</td>
<td>175W</td>
<td></td>
</tr>
<tr>
<td>LPL06-C57-10L</td>
<td>250W</td>
<td></td>
</tr>
</tbody>
</table>

CERTIFICATIONS & COMPLIANCES

- Ex d e IIC T6/T5 Gb
- Ex tb IIIC T80°C/T100°C
- EC-type Exam Certification: DNV 11 ATEX 06805X
- IECEx - Certificate of Conformity: IECEx-CM 12.0007X
- IP66
- Zones 1 and 2 (Ex-Gas)
- Zones 21 and 22 (Ex-Dust)
- CE

ELECTRICAL RATINGS

- Voltage: 100-277 VAC

OPTIONS AND ACCESSORIES

- Warm white color temperature (3300K)
- Pole mount accessories
**PRIMARY APPLICATIONS**
Indoors or outdoors in process and storage areas, corridors, bridges and stairs.

**LUMINAIRE MODELS**

<table>
<thead>
<tr>
<th>Model number</th>
<th>Equivalent luminaire</th>
<th>Typical energy savings/lifetime</th>
</tr>
</thead>
<tbody>
<tr>
<td>EV35</td>
<td>100W-150W Incandescent</td>
<td>78%</td>
</tr>
<tr>
<td></td>
<td>50W HID</td>
<td>40%</td>
</tr>
</tbody>
</table>

60,000 hours of continuous operation!

**CERTIFICATIONS & COMPLIANCES**
- Group II 2 GD (Zone 1)
- Gas: Ex d IIC T6 Gb
- Dust: Ex t IIIC T85°C Db
- Certificate: LOM 10 ATEX 2075
- IP66

**ELECTRICAL RATINGS**
- Voltages: 220-240V
- Input power: 32W

**OPTIONS AND ACCESSORIES**
- Internal high polished aluminum reflector for down light applications
- Direct entries or indirect entries via connection box

**DESIGN FEATURES**
- **A** Wide ambient temperature range from -40°C to +55°C - Allows installation and safe use in nearly every climatic condition.
- **B** High power LED module - Provides instant on and full illumination in the harshest conditions, even when exposed to high, repeated vibration.
- **C** Safe, reliable heat transfer - Heat sink connected to copper-free aluminum housing to safely and effectively remove heat from the LED module and driver, therefore offering a T-rating of T6.

Up to 78% more energy-efficient than a 150 watt incandescent and over 20 times the rated life
AB05
marine LED luminaire

PRIMARY APPLICATIONS
Perfect for confined or restricted spaces, such as stairwells, storage areas and corridors that require consistent light.

LUMINAIRE MODELS

<table>
<thead>
<tr>
<th>Model number</th>
<th>Equivalent luminaire</th>
<th>Typical energy savings/lifetime</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB05</td>
<td>150W incandescent</td>
<td>Up to 80%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>60,000 hours of continuous operation!</td>
</tr>
</tbody>
</table>

CERTIFICATIONS & COMPLIANCES
- Zone 1, 2, 21, 22
- Ex d IIB T6
- II 2 G Ex d IIB T6/T5 Gb
- II 2 D Ex tb III C T80°C/T100°C Db
- Certificate BVS 09 ATEX E 014 X
- IP66

ELECTRICAL RATINGS
- Voltage: 120-240 VAC
- Input power: 32W

Up to 6 times longer life and 65% reduction in power consumption compared to equivalent HID floodlights

DESIGN FEATURES

A **Shock- and vibration-resistant** - Durable vibration-resistant LEDs decrease maintenance costs.

B **Lightweight enclosure** - Robust light alloy enclosure weighs only 7.0 kg, allowing the user to mount in areas where the available space is restricted, and making installation fast and easy.

C **Instant illumination and restrike** - Decreases facility downtime; no warm-up time required.
**PRIMARY APPLICATIONS**

Hazardous locations, on- and offshore drilling, heavy industrial, chemical, petrochemical, oil and gas, pharmaceuticals, shipyards, dockyards, power generation, paper mills, wastewater treatment indoor and outdoor with potentially explosive areas under harsh conditions like vibrations, dust, moisture or corrosive atmospheres and extreme temperatures.

**LUMINAIRE MODELS**

<table>
<thead>
<tr>
<th>Model number</th>
<th>Equivalent HID luminaire</th>
<th>Typical energy savings/lifetime</th>
</tr>
</thead>
<tbody>
<tr>
<td>PXLED5L</td>
<td>150W</td>
<td></td>
</tr>
<tr>
<td>PXLED10L</td>
<td>250W</td>
<td></td>
</tr>
<tr>
<td>PXLED15L</td>
<td>450W</td>
<td></td>
</tr>
<tr>
<td>PXLED20L</td>
<td>600W</td>
<td></td>
</tr>
<tr>
<td>PXLED25L</td>
<td>750W</td>
<td></td>
</tr>
<tr>
<td>PXLED30L</td>
<td>1000W</td>
<td></td>
</tr>
</tbody>
</table>

- PXLED5L: 150W
- PXLED10L: 250W
- PXLED15L: 450W
- PXLED20L: 600W
- PXLED25L: 750W
- PXLED30L: 1000W

Up to 70% more energy-efficient than HID and six easy to install models from 5,000 to 30,000 lumens

**CERTIFICATIONS & COMPLIANCES**

- BVS 17 ATEX E 013 X
- IECEx BVS 170004 X
- II 2 G Ex db eb op is q IIC T4 Gb/ II 2 D Ex tb op is IIIC T100°C Db
- Ex db eb op is q IIC T4 Gb/ Ex tb op is IIIC T100°C Db
- IP66

**ELECTRICAL RATINGS**

- Voltages: 110-277 VAC, 127-270 VDC

**OPTIONS AND ACCESSORIES**

- Wide or narrow beam options
- Clear or frosted lens options

**DESIGN FEATURES**

A. Wide ambient temperature range from -50°C to +55°C - Allows installation and safe use in nearly every climatic condition.

B. High power LED module - Provides instant on and full illumination in the harshest conditions, even when exposed to high, repeated vibration.

C. Modular design - Six models are available form 5,000 to 30,000 lumens.
For more information:
If further assistance is required, please contact an authorized Eaton Distributor, Sales Office, or Customer Service Department.

U.S. (global headquarters):
Eaton’s Crouse-Hinds business
1201 Wolf Street
Syracuse, NY 13208
(866) 764-5454
FAX: (315) 477-5179
FAX Orders Only: (866) 653-0640
crousecustomerctr@eaton.com

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Mexico/Latin America/Caribbean
52-555-804-4000
FAX: 52-555-804-4020
ventascentromex@eaton.com

Europe (Germany)
49 (0) 6271 806-500
49 (0) 6271 806-476
sales.CCH.de@cooperindustries.com

China
86-21-2899-3600
FAX: 86-21-2899-4055
chhsales@cooperindustries.com

Singapore
65-6645-9888
FAX: 65-6297-4819
chsi-sales@cooperindustries.com

Korea
82-2-3484-6783
82-2-3484-6778
CCHK-sales@cooperindustries.com

Middle East
971 4 8066100
FAX: 971 4 8894813
chmsales@eaton.com

Australia
61-2-8787-2777
FAX: 61-2-9609-2342
CEASales@cooperindustries.com

India
91-124-4683888
FAX: 91-124-4683899
cchindia@eaton.com

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