EV LED explosionproof
LED luminaires

EV LED luminaires are designed to provide durable and energy-efficient lighting in a variety of applications. Incandescent and HID general illumination models are available, along with a wildlife-friendly model and optional DC input voltage.

<table>
<thead>
<tr>
<th>Model</th>
<th>Equivalent luminaire</th>
<th>Typical energy savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>100W-200W incandescent</td>
<td>Up to 85%</td>
</tr>
<tr>
<td>701</td>
<td>70W-100W HID</td>
<td></td>
</tr>
</tbody>
</table>

Applications:
- Two lumen outputs for replacement of existing HID and incandescent luminaires
- Locations requiring continuous and consistent light levels in extreme ambient temperatures
- Areas requiring frequent on-and-off of lights
- Where flammable vapors, gases, ignitable dusts, fibers or flyings are present; indoors or outdoors
- Where extremely corrosive, wet, dusty, hot and/or cold conditions exist
- Type 4X, marine, wet locations and hose down environments
- Manufacturing plants, heavy industrial, chemical, petrochemical or pharmaceutical facilities, platforms, loading docks, tunnels, outdoor wall and stanchion mounted general area lighting

Certifications and compliances:

NEC/CEC:
- Class I, Division 1, Groups C, D
- Class I, Zones 1 & 2, Group IIIB
- Class II, Groups E, F, G
- Marine and wet locations, Type 4X, IP66
- UL Listed
- cUL Listed (certified by UL to CSA standards)
- T6 temperature rating at 55°C

NEC:
- Class III, Simultaneous Presence

UL standards:
- UL844 – Electric Fixture Hangers for Hazardous Locations
- UL1598 – Luminaire
- UL1598A – Luminaire for Installation on Marine Vessels

CSA standard:
- C22.2 No. 137

Features:
- Instant illumination and re-strike
- Better visibility with crisp, white light
- T6 temperature rating – safely operate in the most hazardous environments
- Cold temperature operation/no warm-up required
- Easy installation – compact modular fixture attaches onto existing Champ® mounting module
- Energy-efficient – up to 85% reduction in energy used
- Provides up to 50,000 hours rated life – eliminates need for frequent lamp replacement
- Contains no mercury or other hazardous substances
- Shock- and vibration-resistant solid state luminaires have no filaments or glass components that could break – greatly reduces the risk of premature failure
- Operating ambient: -30°C to 55°C (AC), -30°C to 40°C (DC)
- 5 year limited fixture warranty

Photometrics:
- Complete photometrics can be found at www.crouse-hinds.com/photometrics

Standard materials:
- Body, mounting modules and guard – copper-free aluminum with Corro-free epoxy powder coat
- Globe – heat and impact-resistant glass
- Gaskets – silicone
- External hardware – stainless steel

LED system:
- High brightness light emitting diode (LED) arrays
- Color temperature: 3000K (CRI 82) and 5600K (CRI 65) options available
- Amber color available for wildlife-friendly applications
- Advanced heat sink design ensures LED does not exceed manufacturer’s temperature ratings across all specified ambient conditions
- LM-79 and LM-80 reports available

Electrical ratings:

<table>
<thead>
<tr>
<th></th>
<th>C201</th>
<th>C701</th>
<th>A201</th>
<th>C201/DC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage range</td>
<td>100-277 VAC</td>
<td>100-277 VAC</td>
<td>100-277 VAC</td>
<td>12-24 VDC</td>
</tr>
<tr>
<td>Frequency</td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>Input power</td>
<td>15W</td>
<td>30W</td>
<td>35W</td>
<td>15W</td>
</tr>
<tr>
<td>Input amps (max.)</td>
<td>0.12A</td>
<td>0.25A</td>
<td>0.36A</td>
<td>1.15A</td>
</tr>
<tr>
<td>Power factor</td>
<td>0.86</td>
<td>0.97</td>
<td>0.98</td>
<td>0.89</td>
</tr>
</tbody>
</table>

UL Listed

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Factory sealed

Ordering information:

<table>
<thead>
<tr>
<th>Mounting style</th>
<th>Cool color temperature</th>
<th>Warm color temperature</th>
<th>Wildlife-friendly</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>C201</td>
<td>C701</td>
<td>W201</td>
</tr>
<tr>
<td>Luminaire only</td>
<td>EVLEDC201</td>
<td>EVLEDC701</td>
<td>EVLEDW201</td>
</tr>
<tr>
<td>3/4&quot; pendant</td>
<td>EVLEDA2C201</td>
<td>EVLEDA2C701</td>
<td>EVLEDA2W201</td>
</tr>
<tr>
<td>1&quot; pendant</td>
<td>EVLEDA3C201</td>
<td>EVLEDA3C701</td>
<td>EVLEDA3W201</td>
</tr>
<tr>
<td>3/4&quot; ceiling mount</td>
<td>EVLEDX2C201</td>
<td>EVLEDX2C701</td>
<td>EVLEDX2W201</td>
</tr>
<tr>
<td>1&quot; ceiling mount</td>
<td>EVLEDX3C201</td>
<td>EVLEDX3C701</td>
<td>EVLEDX3W201</td>
</tr>
<tr>
<td>3/4&quot; wall mount</td>
<td>EVLEDX2C201</td>
<td>EVLEDX2C701</td>
<td>EVLEDX2W201</td>
</tr>
<tr>
<td>1&quot; wall mount</td>
<td>EVLEDX3C201</td>
<td>EVLEDX3C701</td>
<td>EVLEDX3W201</td>
</tr>
<tr>
<td>3/4&quot; bulkhead mount</td>
<td>EVLEDH2C201</td>
<td>EVLEDH2C701</td>
<td>EVLEDH2W201</td>
</tr>
<tr>
<td>1&quot; stanchion mount</td>
<td>EVLEDJ4C201</td>
<td>EVLEDJ4C701</td>
<td>EVLEDJ4W201</td>
</tr>
</tbody>
</table>

Note: To order a fixture without a guard, remove ‘1’ from the end of the catalog number. Example: EVLEDC20 for 3/4” pendant, no guard.

Accessories (ordered separately):

- Replacement red lens insert .................. EVLED G1 RED LENS INS
- Replacement green lens insert .......... EVLED G1 GREEN LENS INS
- Guard .......................................................... EV505
- Replacement globe assembly .......................... EV78

Family tree:

- **Stanchion**: EVMJ4 1-1/4" HUB4
- **Ceiling**: EV22 3/4" HUB4, EV33 1" HUB4
- **Pendant**: EVMP2 3/4" HUB4, EVMP3 1" HUB4
- **Wall**: EV22 & EV87 3/4" HUB4, EV33 & EV87 1" HUB4
- **Bulkhead**: EVIJ2 3/4" HUB4
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Dimensions (in inches):

- **Pendant mount**
  - Height: 12 in
  - Width: 12-3/4 in
  - Depth: 7-1/4 in

- **Ceiling mount**
  - Height: 4 in
  - Width: 5/16 in
  - Distance from ceiling: 1-1/4 in

- **Stanchion mount**
  - Height: 12-3/4 in
  - Width: 13 in
  - Distance from stanchion: 13-1/4 in

- **Wall mount**
  - Height: 12-9/16 in
  - Width: 16-1/16 in
  - Distance from wall: 16-13/16 in

- **Bulkhead**
  - Height: 9-1/4 in
  - Width: 16-1/8 in
  - Distance from bulkhead: 15-3/8 in

Net luminaire weights:

<table>
<thead>
<tr>
<th>Mounting Module</th>
<th>Weight (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EV LED with guard</td>
<td>11.0</td>
</tr>
<tr>
<td>Add mounting modules:</td>
<td></td>
</tr>
<tr>
<td>Pendant</td>
<td>1.0</td>
</tr>
<tr>
<td>Ceiling</td>
<td>2.0</td>
</tr>
<tr>
<td>Wall</td>
<td>4.5</td>
</tr>
<tr>
<td>Bulkhead</td>
<td>2.2</td>
</tr>
<tr>
<td>Stanchion</td>
<td>2.5</td>
</tr>
</tbody>
</table>