

EV LED explosionproof LED luminaires

Factory sealed

Cl. I, Div. 1, Groups C, D
Cl. I, Zones 1 & 2, Group IIB
Cl. II, Groups E, F, G
Cl. III & Simultaneous Presence

UL Listed
cUL Listed (certified by
UL to CSA standards)
Marine & Wet Locations
Type 4X; IP66

2L

2L

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.

| Model | Equivalent luminaire | Typical energy savings |
|-------|------------------------|------------------------|
| 201 | 100W-200W incandescent | Up to 85% |
| 701 | 70W-100W HID | |

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 IIB
- 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: -25°C to +55°C (AC), -25°C to +40°C (DC)
- 5 year limited fixture warranty

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:

| | C201 | C701 | A201 | C201/DC |
|-------------------|-------------|-------------|-------------|-----------|
| Voltage range | 100-277 VAC | 100-277 VAC | 100-277 VAC | 12-24 VDC |
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz | 50/60 Hz |
| Input power | 15W | 30W | 36W | 15W |
| Input amps (max.) | 0.12A | 0.25A | 0.36A | 1.15A |
| Power factor | 0.86 | 0.87 | 0.98 | — |



Photometrics:

- Refer to www.eaton.com (under the Resources tab of each product family) for specific photometric IES files

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Ordering information:

| Mounting style | Cool color temperature | | Warm color temperature | | Wildlife-friendly |
|---------------------------------|------------------------|--------------|------------------------|--------------|-------------------|
| | C201 | C701 | W201 | W701 | A201 |
| Luminaire only | EVLEDC201 | EVLEDC701 | EVLEDW201 | EVLEDW701 | EVLEDA201 |
| 3/4" pendant | EVLEDA2C201 | EVLEDA2C701 | EVLEDA2W201 | EVLEDA2W701 | EVLEDA2A201 |
| 1" pendant | EVLEDA3C201 | EVLEDA3C701 | EVLEDA3W201 | EVLEDA3W701 | EVLEDA3A201 |
| 3/4" ceiling mount through feed | EVLEDCX2C201 | EVLEDCX2C701 | EVLEDCX2W201 | EVLEDCX2W701 | EVLEDCX2A201 |
| 1" ceiling mount through feed | EVLEDCX3C201 | EVLEDCX3C701 | EVLEDCX3W201 | EVLEDCX3W701 | EVLEDCX3A201 |
| 3/4" wall mount through feed | EVLEDBX2C201 | EVLEDBX2C701 | EVLEDBX2W201 | EVLEDBX2W701 | EVLEDBX2A201 |
| 1" wall mount through feed | EVLEDBX3C201 | EVLEDBX3C701 | EVLEDBX3W201 | EVLEDBX3W701 | EVLEDBX3A201 |
| 3/4" bulkhead mount | EVLEDBH2C201 | EVLEDBH2C701 | EVLEDBH2W201 | EVLEDBH2W701 | EVLEDBH2A201 |
| 1 1/4" stanchion mount | EVLEDJ4C201 | EVLEDJ4C701 | EVLEDJ4W201 | EVLEDJ4W701 | EVLEDJ4A201 |

Note: To order a fixture without a guard, remove '1' from the end of the catalog number. Example: EVLEDAC20 for 3/4" pendant, no guard.

To order a fixture with 10-30 VDC input voltage (available on 20 series only), add '/DC' to the end of the catalog number. Example: EVLEDAC201/DC.

To order a fixture with colored inserts (available on C20 series only), add a 'G' (for green) or 'R' (for red) to the end of the catalog number. Example: EVLEDAC201G.

Accessories (ordered separately):

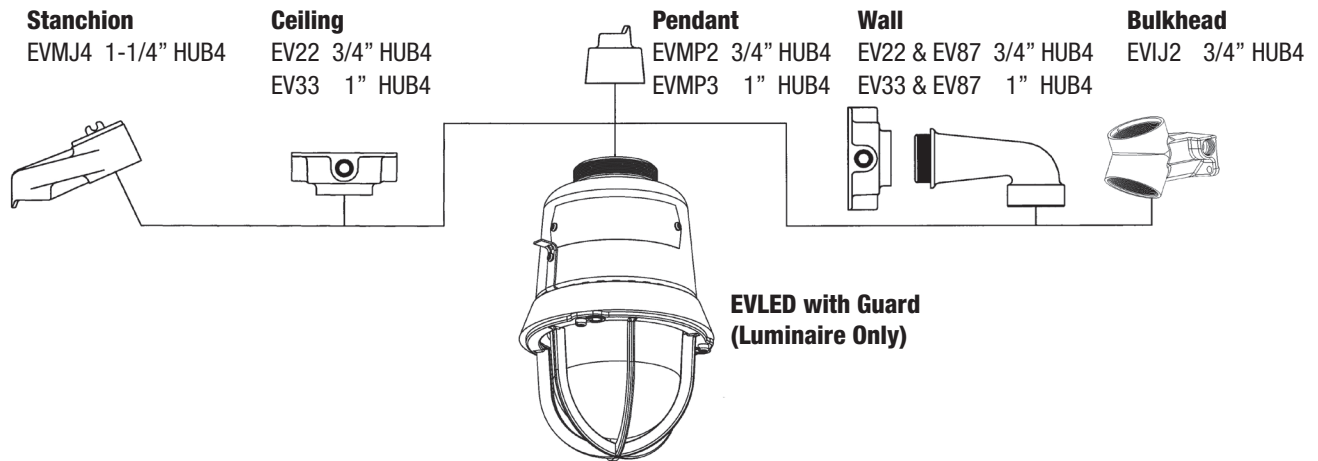
Description

Cat.

- 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:



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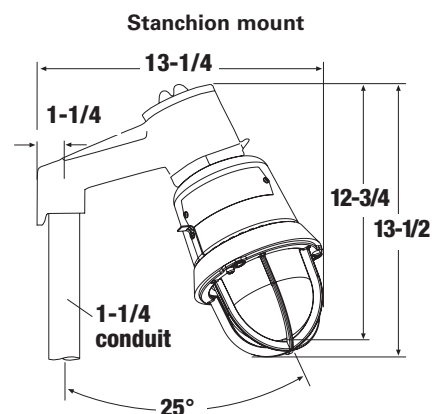
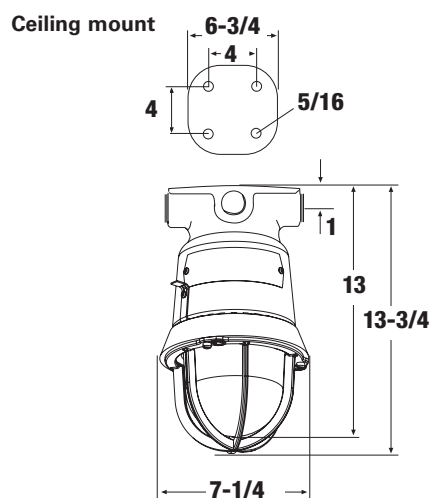
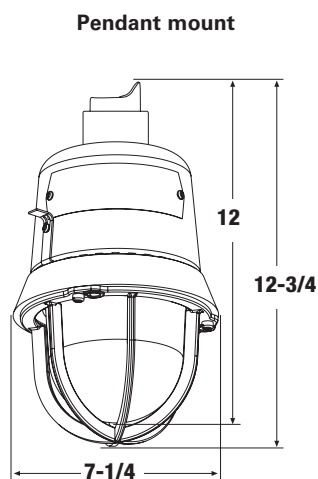
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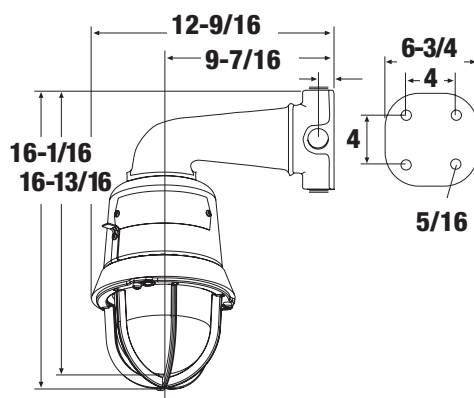
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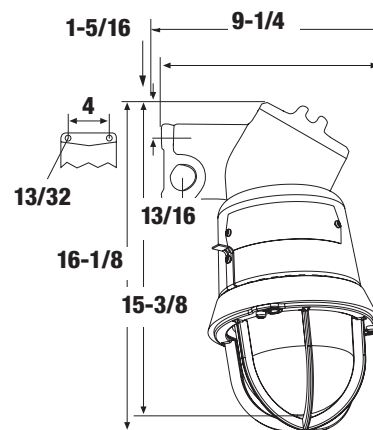
Dimensions (in inches):



Wall mount



Bulkhead



Net luminaire weights:

| | Weight (lbs.) |
|------------------------------|---------------|
| EV LED with guard | 10.0 |
| Add mounting modules: | |
| Pendant | 1.0 |
| Ceiling | 2.0 |
| Wall | 4.5 |
| Bulkhead | 2.2 |
| Stanchion | 2.5 |