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

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
Lumens	1,500	2,900	1,647	1,500
Input power	15W	30W	14W	15W
Input amps	0.06 - 0.17A	0.11 - 0.30A	0.05 - 0.14A	0.60 - 1.18A
Power factor	> 0.90	> 0.90	> 0.95	–

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
1¹⁄₄" 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.
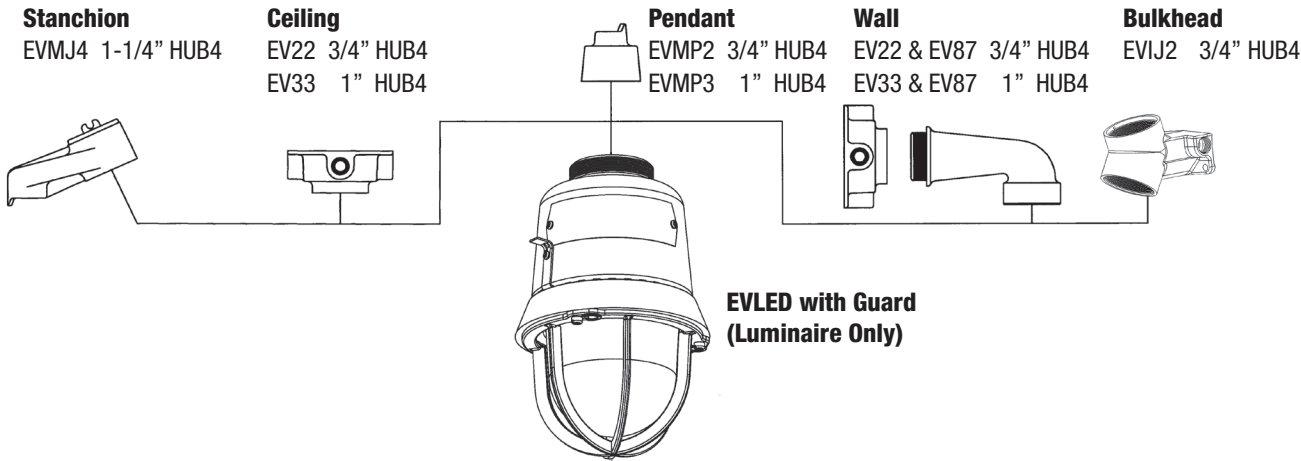
Accessories (ordered separately):

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:

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

**EVLED with Guard
(Luminaire Only)**

EV LED explosionproof LED luminaires
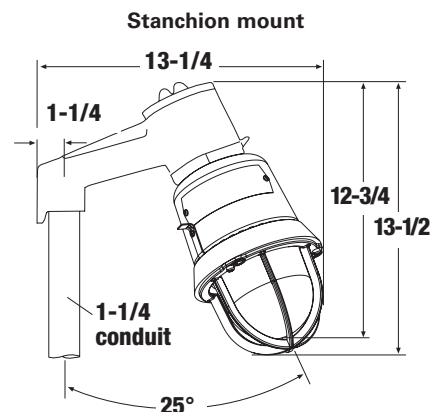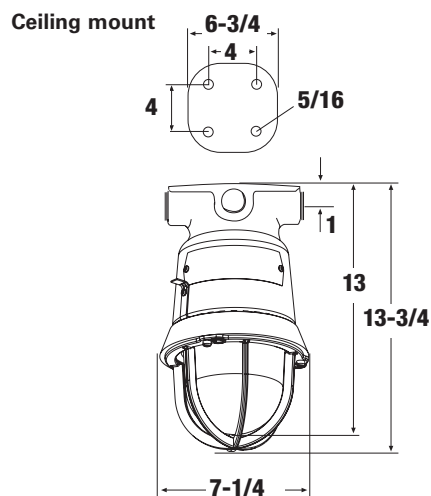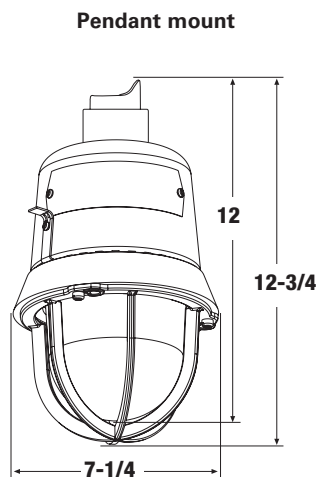
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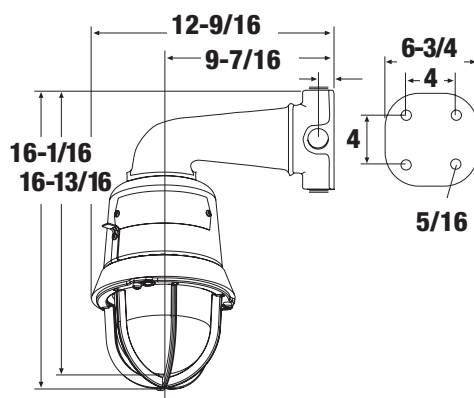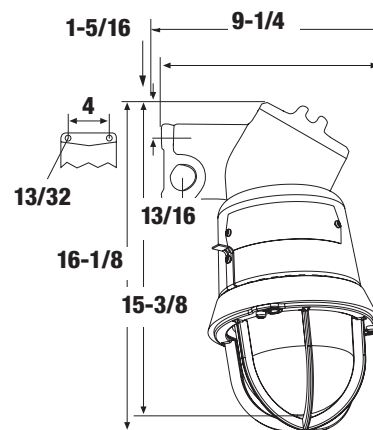Marine & Wet Locations
Type 4X; IP66

Dimensions (in inches):

Pendant mount

12
12-3/4
7-1/4

Ceiling mount

6-3/4
4
4
5/16
1
13
13-3/4
7-1/4

Stanchion mount

13-1/4
1-1/4
12-3/4
13-1/2
1-1/4 conduit
25°

Wall mount

12-9/16
9-7/16
6-3/4
4
4
5/16
16-1/16
16-13/16

Bulkhead

1-5/16
9-1/4
4
13/32
13/16
16-1/8
15-3/8

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

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