

V2PC, D2S & EV2IH series

The only UL recognized photocells for Class I, Division 2 areas. Eliminates the need for an explosionproof box!

Eaton's Crouse-Hinds series factory sealed, field installed photocells offer reliable, dusk-to-dawn lighting control in Class I, Division 2 locations. These photocells are ideal for walkways, security lighting and any other outdoor lighting application that utilizes Champ® HID lighting luminaires.

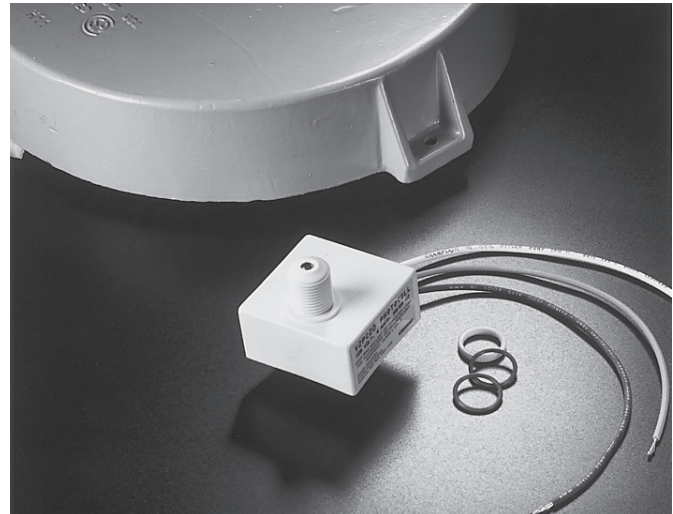
Applications:

Eaton's Crouse-Hinds series photocells are designed:

- To provide control for automatic dusk-to-dawn lighting
- For safety by turning on outdoor luminaires in critical passageways at night
- To save energy by operating luminaires only when necessary
- For walkways, parking areas, outdoor process areas, security lighting or any outdoor lighting application in Class I, Division 2 locations and corrosive environments
- For use with LMV, DMV, VMV, VMV high wattage and FMV series Champ lighting luminaires (V2PC series)
- For use with 35-400 watt HID, incandescent or fluorescent lighting luminaires
- For remote mounting in FS boxes (D2S series)
- For mounting in EIH enclosures for Class I, Division 1 applications (EV2IH series)

Features:

- Field installable
- Solid state design for performance and dependability
- Factory sealed components; explosionproof enclosure not required for Class I, Division 2 locations
- Luminaires turn on at 3 footcandles, off at 8 footcandles, ensuring that the luminaires are operating only when needed
- Built-in 10 second time delay to eliminate nuisance tripping
- Eight year operating life
- Furnished with 6" stranded 600 volt color-coded wire leads
- Constructed from corrosion-resistant thermoplastic polyester
- Available on a DS cover for use with any FS/FD box (D2S series)
- Available in an EIH enclosure for use in Class I, Division 1, Groups B^A, C and D locations (EV2IH series); no seals required



Certifications and compliances:

V2PC and D2S series

NEC/CEC:

- Class I, Division 2, Groups A, B, C, D
- UL844 – Hazardous (Classified) Locations
- CSA C22.2 No. 55

EV2IH series

NEC/CEC:

- Class I, Divisions 1 & 2, Groups B, C, D
- Class II, Division 1, Groups E, F, G
- Class II, Division 2, Groups F, G
- Class III
- NEMA 3, 4, 7BCD, 9EFG
- UL844 – Hazardous (Classified) Locations
- CSA C22.2 Nos. 30 & 55

Electrical ratings:

- 120, 208, 220, 240, 277 VAC
- 50/60 Hz
- 35-400W HID, incandescent or fluorescent
- V2PC20 – 3.3A max. current rating
- V2PC22 – 1.8A max. current rating
- V2PC27 – 1.4A max. current rating

^AFor Group B applications, seal within 1½" of enclosure in accordance with Section 501-5 of the National Electric Code.

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Ordering information:

Photocell for field installation in lighting fixtures[ⓐ]



Cat. #	Voltage range	Current rating
V2PC20	120V, 50/60 Hz	3.3A
V2PC22	208-240V, 50/60 Hz	1.8A
V2PC27	277V, 50/60 Hz	1.4A

Photocell in DS cover for use with FS/FD box



Cat. #	Voltage range
D2S20	120V, 50/60 Hz
D2S208 277	208-277V, 50/60 Hz

Photocell in EIH enclosure for use in Class I, Division 1, Groups B, C, D; Class II, Division 1, Groups E, F, G; and Class III locations



Cat. #	Voltage range
EV2IH20	120V, 50/60 Hz
EV2IH208 277	208-277V, 50/60 Hz

Replacement photocell for D2S cover or EIH enclosure^{ⓑⓐ}



Cat. #	Voltage range	Current rating
V2PCT20	120V, 50/60 Hz	8.33A
V2PCT208 277	208-277V, 50/60 Hz	4.81A - 3.61A (depending on voltage)

Options:

To order luminaire with photocell factory installed:

1. Specify luminaire dedicated supply voltage (not MT, DT or TT)
2. Add photocell catalog number to fixture catalog number as follows:

V2PC20
V2PC22
V2PC27

Example: VMVSJ070GP/120-V2PC20 is a 120V, 60 Hz luminaire with a factory installed photocell.

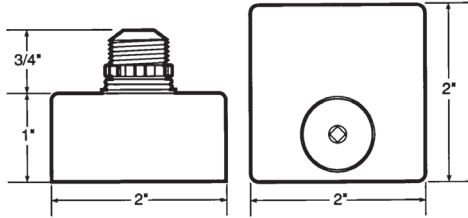
Note: Only the V2PC is available as a factory installed photocell. V2PC not available with ceiling mount Champ cover (VMV, LMV and DMV series).

[ⓑ] Must be factory installed in Canada.

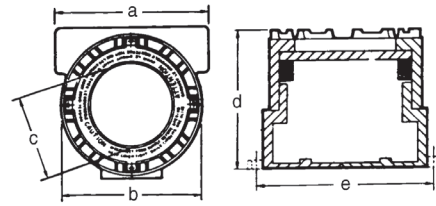
[ⓐ] When mounting in EIH enclosures for Class I, Division 1 applications (EV2IH series), seals are not required for Groups C and D.

V2PC, D2S & EV2IH series

Dimensions (in inches):

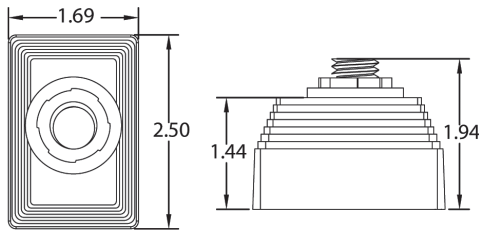


V2PC

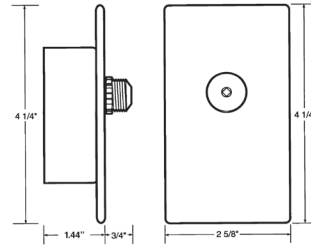


EV2IH

Cat. #	a	b	c	d	e
EV2IH	5.00	4.25	2.60	4.54	5.25



V2PCT



D2S