

Photocells for use with LED and H.I.D. Products

COOPER Crouse-Hinds

Cooper Crouse-Hinds factory-sealed, field installed photocells offer reliable, dusk-to-dawn lighting control for walkways, security lighting and any other outdoor lighting application.

Applications

Cooper Crouse-Hinds 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 use with LED luminaires (VMVL, FMVL, V2L, EVLL, EV LED, LPL, and Pro Series) and H.I.D. luminaires (LMV, DMV, VMV, VMV High Wattage, and FMV Series)
- For use on 20-400 watt LED, H.I.D., 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

- Makes retrofitting fixtures easy - existing photocells in lighting system can still be utilized
- Solid-state design for performance and dependability
- 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
- V2PCT photocell is rated for 65°C ambient and up to 1000W, 1000VA

Certifications

D2S Series

- CSA Standard: C22.2 No. 55
- Dry Locations
- UL Ordinary Locations

EV2IH Series

- NEC/CEC:
 - Class I, Divisions 1 and 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
- UL Standard: 844 - Hazardous (Classified) Locations
- CSA Standard: C22.2 No. 30, 55

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

Ordering Information



Photocell in DS Cover for use with FS/FD Box		
Catalog Number	Voltage Range	Current Rating
D2S20	120V, 50/60 Hz	8.33A
D2S208 277	208V-277V	4.81A-3.61A depending on voltage

Can be used with the following LED luminaires:



Champ® VMV LED



Champ® FMV LED



Vaporgard™ LED



Pro Series LED



Photocell in EIH enclosure for use in Cl. I, Div. 1, Gr. B, C, D; Cl. II, Div. 1, Gr. E, F, G; Cl. III locations		
Catalog Number	Voltage Range	Current Rating
EV2IH20	120V, 50/60 Hz	8.33A
EV2IH208 277	208V-277V, 50/60 Hz	4.81A-3.61A depending on voltage

Can be used with the following LED luminaires:



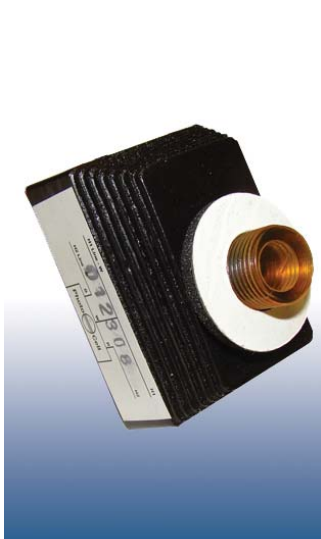
Hazard•Gard® EVLL LED



EV LED



Hazard•Gard® LPL LED



Replacement photocell for D2S cover or EIH enclosure*†		
Catalog Number	Voltage Range	Current Rating
V2PCT20	120V, 50/60 Hz	8.33A
V2PCT208 277	208V-277V, 50/60 Hz	4.81A-3.61A depending on voltage

Can be used with the following LED luminaires:



Champ® VMV LED



Champ® FMV LED



Vaporgard™ LED



Pro Series LED

*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.