

SENSING CONTROL | Photocells

Photocells

Leviton's photocell sensors precisely monitor either task or ambient light levels. As part of a Leviton energy management system, photocells work with other components in the system to automatically adjust light levels to a user-defined level. Photocells are most suitable for installation in rooms with windows and open spaces receiving substantial ambient light. Photocells must be hardwired to a compatible Leviton lighting control system. The photocell measures ambient light in a specific area and sends this data to a dimmer or relay that, in turn, adjusts fixtures to a constant lighting level as measured in that specific area. Daylight Harvesting is achieved as lights in a room (with windows or significant, artificial ambient light) automatically brighten or dim depending on how much light the photocell detects.

Daylight Harvesting

With daylight harvesting, ambient (often natural) light supplements in-room, artificial light in order to keep a constant lighting level while saving energy. This constant level is programmed into a compatible control device. Once hardwired to the photocell, the dimmer or relay will receive the photocell's real-time light measurement and maintain a steady level within the photocell's area of detection.

Features and Benefits

- Indoor photocells are designed with a flat Fresnel lens that looks downward in a 60° cone of reference to measure actual light on the work surface, reducing the influence of stray light striking the photocell from nearby windows or incidental side lighting
- Outdoor photocells are IP54 rated to guarantee ultimate protection from dirt, dust, oil, and other non-corrosive material
- Measures light from any source in the visible spectrum within a 60° cone or 180° angle of response depending on the model
- Constant lighting at the optimal level for greater visual comfort and acuity, which contributes to improved productivity
- Provides convenient, automatic hands-free daylight harvesting when integrated with Leviton lighting control products
- Lowers electric bills by reducing usage of lighting where ambient natural light is also present
- Lumen maintenance opportunity compatible

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Description	Cat. No.	Lens	Sensing Range	Color
Photocell	ODCOP-00W	Clear	1-1600fc	White
Switching Photocell	ODCOP-S0W	Clear	1-1600fc	White
Dimming Photocell	ODCOP-D0W	Clear	1-1600fc	White
Line Voltage Photocell	PCCxx-00W	Clear	1-1600fc	White
Indoor Photocell	PCIND-000	Fresnel	75-800fc	White
Indoor Photocell	PCIND-0SV	Clear Hood	3, 30, 300 or 600fc	White
Outdoor Photocell	PCOUT-000	Clear Hood	50-750fc	White
Outdoor Photocell	PCOUT-0SV	Diffuse	3, 30, 300 or 600fc	White
Atrium Photocell	PCATR-000	Dome/Frost	215-2690fc	White
Skylight Photocell	PCSKY-000	Dome/Frost	1076-8072fc	White



ODCOP-00W