

## 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

#### Photocells

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



ODCOP-00W

Energy Management