

ODCoP-SoW Switching Photocell



Leviton's ODCoP-SoW Switching Photocell is a sensor for precisely monitoring either task or ambient light levels. As a part of Leviton's lighting system, the ODCoP-SoW works with other components to automatically set and adjust target light levels. Ideal for existing retrofits and Daylight Harvesting applications, the ODCoP-SoW can be used with all load types and is a cost-effective solution when paired with switching ballasts. The photocells are most suitable for installation in rooms with windows and in open spaces receiving substantial light from adjacent indoor spaces.

OPERATION

The ODCoP-SoW must be hardwired to a compatible Leviton power pack to provide the photocell with power. The ODCoP-SoW measures ambient light in a space and sends this data to a Switching Power Pack or Controller that, in turn, switches fixtures to a targeted lighting level in that specific area. The ODCoP Photocell provides consistent Daylight Design Levels in which lights in a room with windows or ambient light will automatically switch OFF or ON depending on how much ambient light the photocell detects.

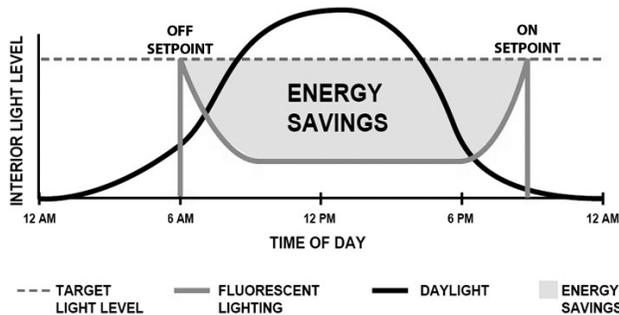
DAYLIGHT HARVESTING APPLICATIONS

- Auto-Calibration (Automatic Daylight Calibration): Photocell intelligently measures light levels to determine optimal Daylight Design Levels for closed loop applications
- Closed loop: Photocell detects total photometric light from daylight or electric sources in the space
- Adjustable daylight design levels: Normal (OFF) and Auto-Calibration

FEATURES

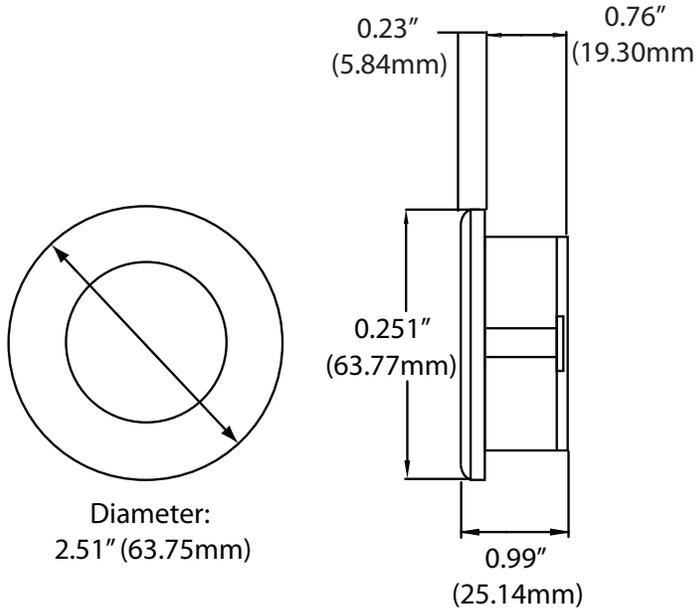
- Switched lighting at a desired Daylight Design Level offers greater energy savings and comfort while contributing to improved efficiency
- Provides for ultra-convenient, hands-free lighting control
- Lowers electric bills by reducing usage of lighting where ambient and/or artificial lights are also present
- Measures light from any source in the visible spectrum within a 60° cone at 8-12 feet mounting height
- Provides continual measurements and reports back to Switching Power Pack or Controller
- Mounts on ceiling - surface mount or low profile flush mount
- Auto-calibration for ease of configuration
- LED status indicators for ease of installation

DAYLIGHT DESIGN LEVELS



PRODUCT DATA

DIMENSIONS



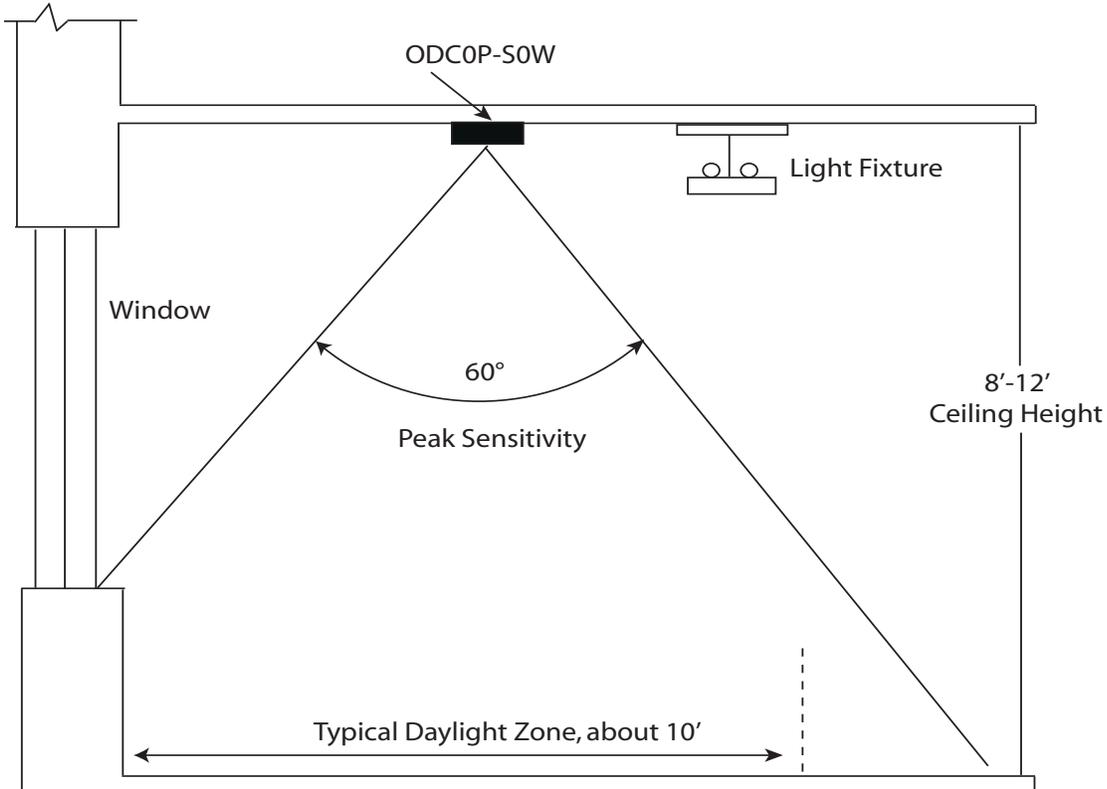
INSTALLATION - Low Voltage Class 2 Wiring

- Connects directly to Switching Power Pack or Controller
- Installs directly above workspace
- Use with standard Class 2 wiring

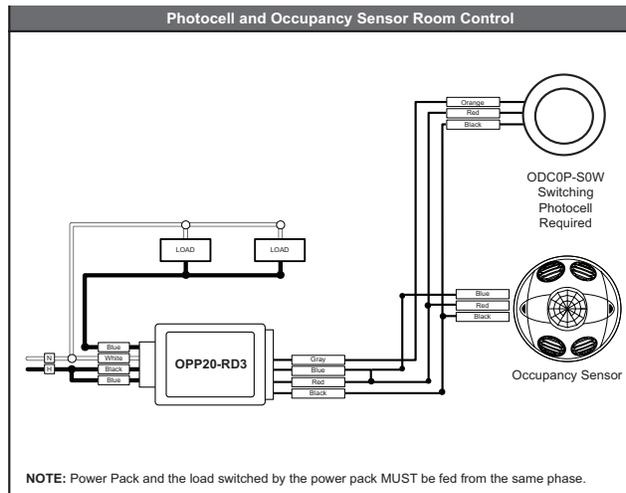
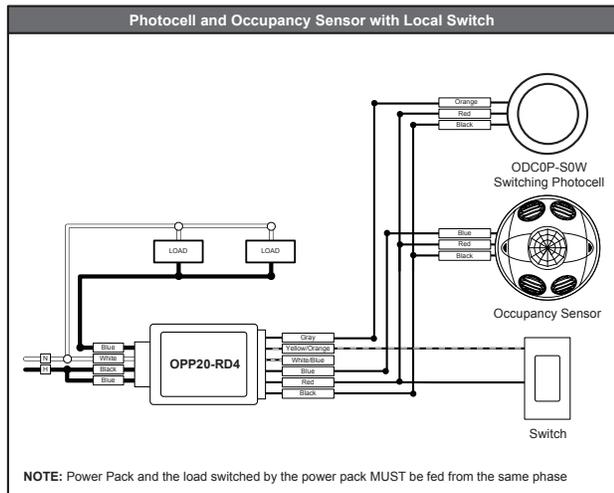
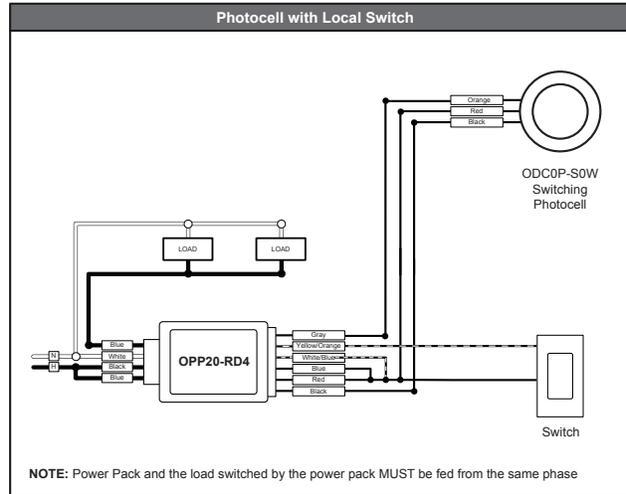
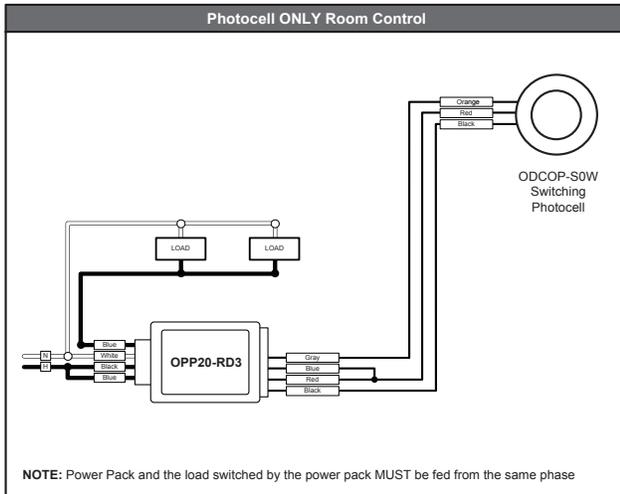
OPERATION

- Measured light level < Target Level
Action: Lights ON
- Measured light level > Target Level
Action: Lights OFF

PHOTOCELL PLACEMENT - Closed Loop Application



WIRING DIAGRAMS



ODCoP-S0W Switching Photocell

ODCoP-SoW Switching Photocell

SPECIFICATIONS

ELECTRICAL	
Input Voltage	12 to 24VDC
Input Current	10mA
Operating Power Consumption	1W
Standby Power Consumption	<1/2W
Light Sensitivity	1-1,600FC (10-16,000 LUX)
Output Voltage	12 or 24VDC
Testing/Code Compliance	UL Listed, CA Title 24 Compliant, FCC Certified, NOM Compliant
PHYSICAL	
Diameter	2.51" (63.5mm)
Depth	0.99" (25.2mm)
Color	White
ENVIRONMENTAL	
Operating Temperature Range	32°F to +131°F (0°C to +55°C)
Storage Temperature Range	14°F to +185°F (-10°C to +85°C)
Relative Humidity	20% to 90% non-condensing
OTHER	
Warranty	Limited 5-Year Warranty

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	COLOR
ODCoP-SoW	Switching Photocell	White

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