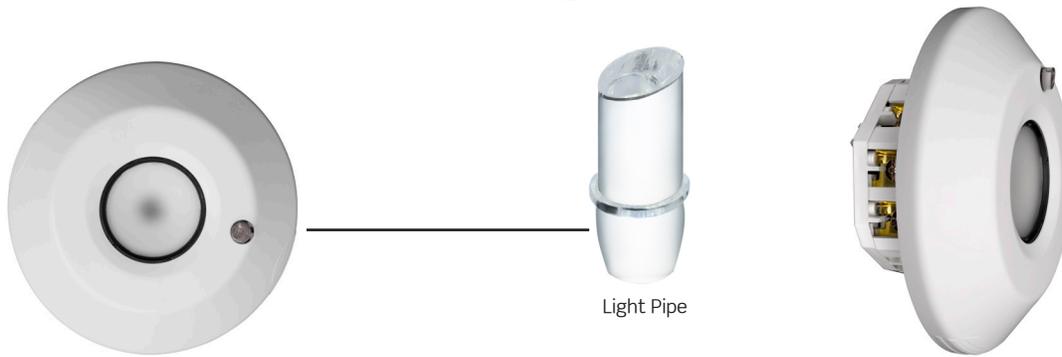


Provolt™ Line Voltage Photocell



Light Pipe

DESCRIPTION

The Leviton Provolt™ Line Voltage Photocell is a first-of-its-kind, self-contained mini Daylight Harvesting System offering the functionality of a low voltage switching or dimming photocell with the robustness of a Leviton power pack. Ideal for Daylight Harvesting applications and lighting control in airports lobbies, commercial lobbies, conference rooms and classrooms. The integrated design alleviates the need for additional components such as a separate power pack and low voltage photocell making it a low-cost, efficient energy solution for new construction and retrofits.

The Provolt Line Voltage Photocell uses patented Daylighting Design Level technology for precise load switching and continual dimming for optimal light maintain levels based on available natural and electric light.

The Provolt Line Voltage Photocell offers installers flexibility when retrofitting areas with existing momentary or maintained switches. To comply with growing energy regulations, the demand response input meets CA Title 24 and ASHRAE 90.1 requirements.

MODELS

- Five models for zone control switching and dimming capabilities
 - Single Relay ON/OFF
 - Dual Relay ON/OFF
 - Single Relay ON/OFF, Single 1-10V Dimming
 - Dual Relay ON/OFF, Dual 1-10V Dimming
 - Single/Dual Relay ON/OFF, Single 1-10V Dimming

FEATURES

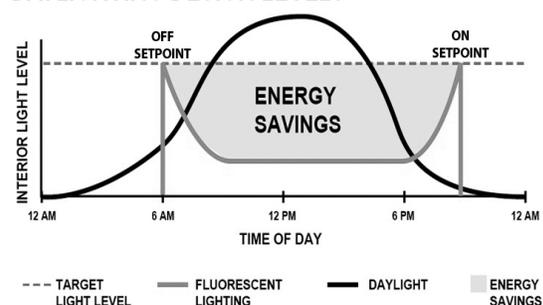
- Self-contained, open and closed loop Daylight Harvesting system
- Leviton-exclusive patented Auto-Calibration eliminates the need for on sight configuring and less labor costs during Daylight Harvesting configuration
- Includes two removable light pipes (flat or angled) for Open and Closed Loop Daylight Harvesting Applications
- Controls:
 - Manual Switch for Daylight Harvesting
 - BMS integration
 - Demand Response
- Dim to Minimum or Dim to OFF capabilities
- 1-10V sinking ballast or LED ready

DAYLIGHT HARVESTING APPLICATIONS

Daylight Harvesting is an automated lighting control strategy that maximizes the use of natural daylight and minimizes the use of electrical light in response to the availability of natural light in a space. The Line Voltage Photocell uses three types of Daylight Harvesting applications:

- Closed loop: Photocell detects total photometric light from daylight or electric sources in the space
- Open Loop: Photocell detects daylight or electric light only; requires manual calibration
- Adjustable Daylight Design Levels: Normal (OFF) and Auto Calibration

DAYLIGHTING DESIGN LEVELS



PRODUCT DATA

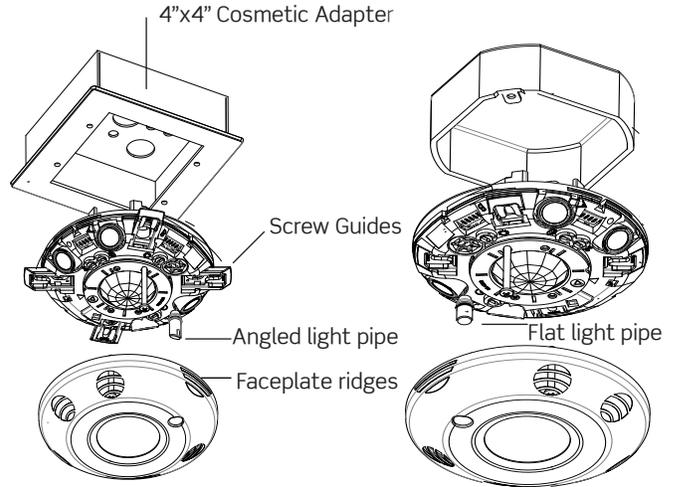
VISUAL INDICATORS

- Visual LED status indicators for all states:
 - Green - Blinks during auto calibration; solid during device malfunction
 - Red - Blinks during photocell manual calibration; solid during device malfunction
 - Yellow - Blinks during test mode; solid with emergency/BMS input
 - Blue - Blinking light indicates photocell override

INSTALLATION

- Easy installation into junction boxes with Leviton-exclusive screw guides, coasters and terminal blocks
- Faceplate ridges make it easy to identify pressure points for simple press and release installation
- Includes a 4x4" cosmetic adapter to enhance final installation and alleviate potential contrast between the sensor and back box

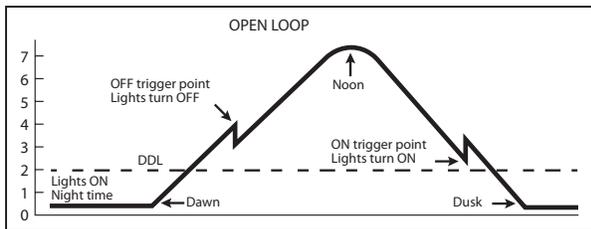
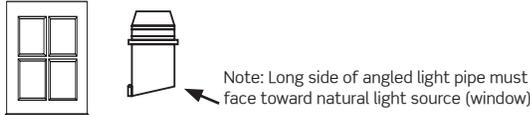
INSTALLATION



Photocell conveniently mounts to a standard 4" x 4" square or octagon electrical box per NEC standards

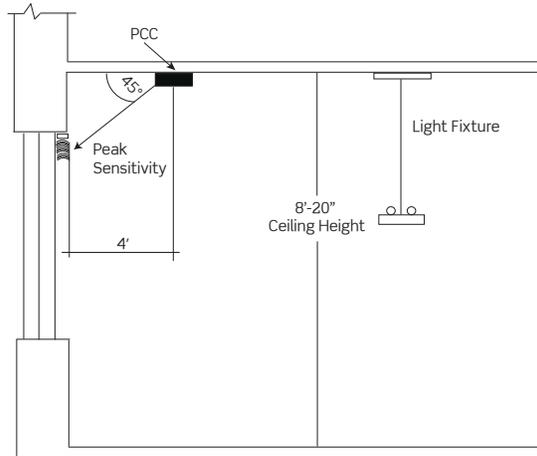
PHOTOCELL OPERATION

Open Loop - Angled Light Pipe

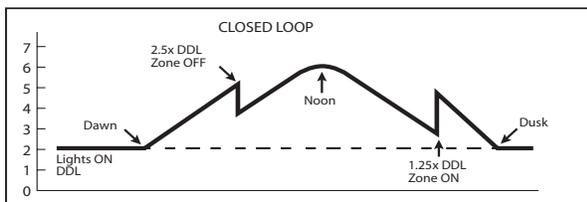


PHOTOCELL PLACEMENT

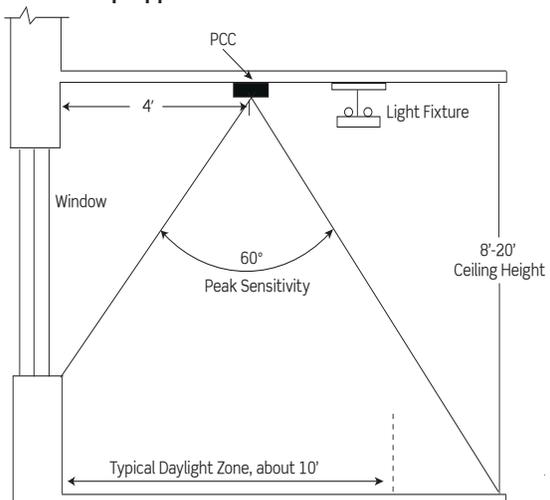
Open Loop Application - Angled Light Pipe



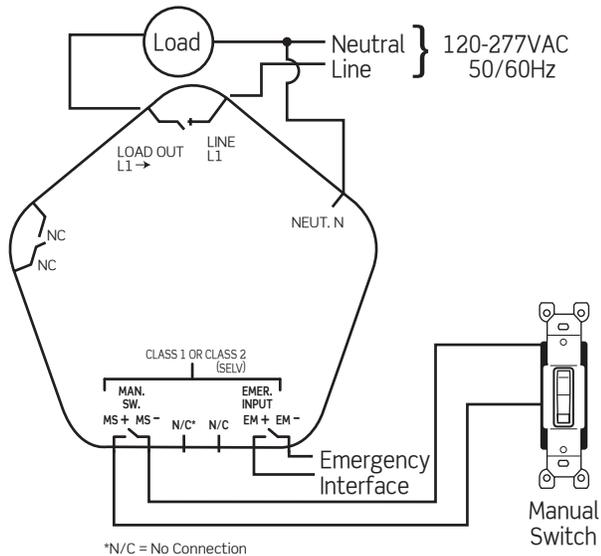
Closed Loop - Diffused Lens



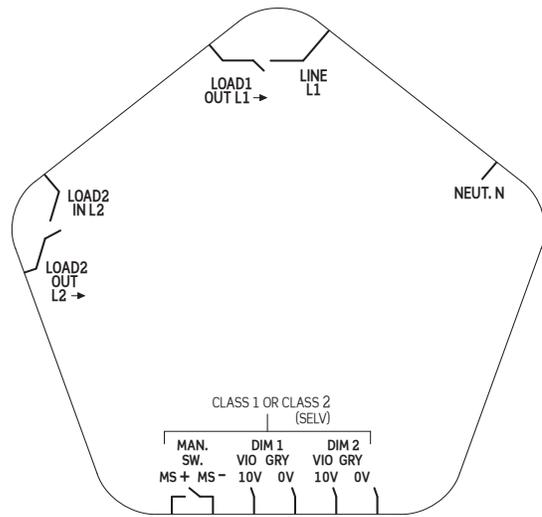
Closed Loop Application - Diffused Lens



WIRING DIAGRAMS

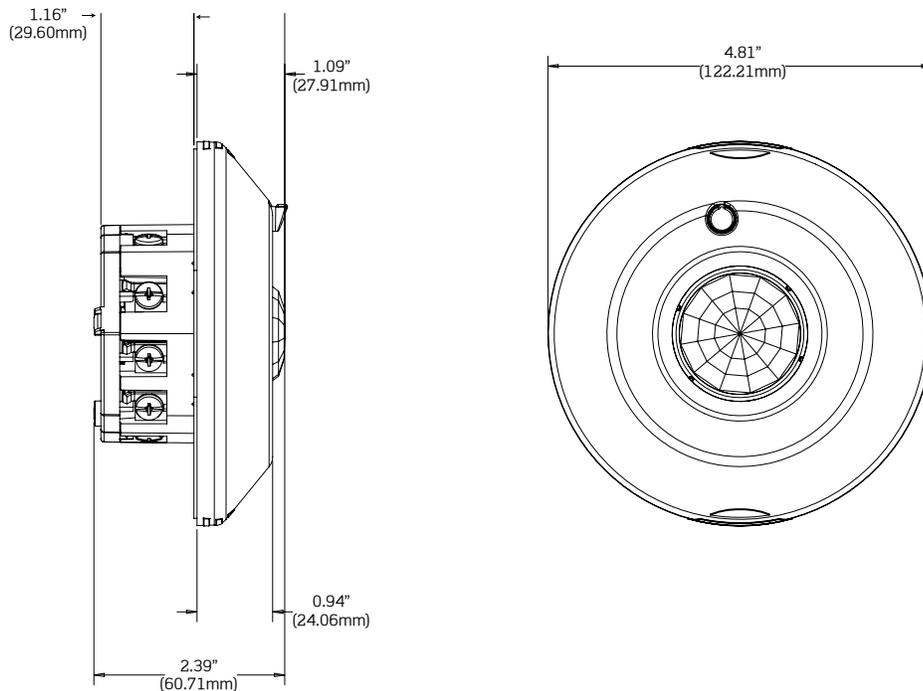


Switching Photocells



Dimming Photocells

DIMENSIONS



Provolt™ Line Voltage Photocell

PRODUCT DATA

SPECIFICATIONS

ELECTRICAL			
Input Voltage	120V, 50/60Hz	240V, 50Hz	277V, 50/60Hz
Load Rating	8A, Electronic Ballast, 800W/VA, Tungsten, Ballast, 1/4 HP Motor	6A/6AX Electronic Fluorescent or Magnetic Ballast, 1200W/VA, 1/3 HP Motor	5A, Electronic Ballast, 1200VA, 1/3 HP Motor
Current Consumption	60-30mA		
ENVIRONMENTAL			
Operating Temperature	32° to 104° F (0° to 40° C)		
Storage Temperature	-14° to 160° F (-26° to 71° C)		
Relative Humidity	10% to 90% non-condensing		
OTHER			
Listings	CA Title 20/24 Compliant, ASHRAE 90.1 Compliant, UL 773A (Occupancy Standard), UL 924 (Emergency Equipment), cUL Listed, NOM Certified, RoHS Compliant, NY LLC48 Compliant		
Warranty	5-Year Limited Warranty		

ORDERING INFORMATION

CAT. NO.	DESCRIPTION
PCC1D-00W	Line Voltage Ceiling Mount Photocell, Low profile 1 Zone, (1) 1-10VDC sinking control signal and (1) relay rated 120-277VAC 50/60Hz. Includes (1) configurable manual switch or BMS/Load Shed input and emergency.
PCC2D-00W	Line Voltage Ceiling Mount Photocell, Low profile 2 Zone, (2) 1-10VDC sinking control signal and (2) relay rated 120-277VAC 50/60Hz. Includes (1) configurable manual switch or BMS/Load Shed input and emergency.
PCC1S-00W	Line Voltage Ceiling Mount Photocell, Low profile 1 Zone, (1) relay rated 120-277VAC 50/60Hz. Includes (1) manual switch and emergency input
PCC2S-00W	Line Voltage Ceiling Mount Photocell, Low profile 2 Zone, (2) relays rated 120-277VAC 50/60Hz. Includes (1) manual switch and emergency input.
PCCSD-00W	Line Voltage Ceiling Mount Photocell, Low profile 1 Zone, (1) 1-10VDC sinking control signal and (2) relays rated 120-277VAC 50/60Hz. Includes (1) configurable manual switch or BMS/Load Shed input and emergency input.

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