

Cost-Effective Daylight Harvesting

Daylighting
Control for
Variety of
Spaces



Smart Low-Voltage Daylight Harvesting Control

Ideal for Meeting Code Requirements and LED Retrofits

Leviton simplifies the ability to add daylight harvesting control to any space with windows or skylights. Take advantage of natural light for additional energy savings. Combine the Low Voltage 0-10V Dimming Photocell with the OPP20 Super Duty Power Pack and an occupancy sensor for easy daylight harvesting control.

- LED READY with ratings for universal voltage
- Dimmed lighting at a Daylighting Design Level offers greater energy savings and comfort
- Leviton-exclusive Auto-Calibration™ automatically calibrates the photocell to the space, eliminating the need for configuring labor costs during installation
- Industry-exclusive fail-safe circuitry causes the relay to default to ON in the event of lost power or malfunction, eliminating safety concerns for occupants
- Utilize any 12-24VDC to supply power for 0-10V dimming operation



CHALLENGE

Facility is undergoing a retrofit to comply with recent code initiatives and install LED lighting to improve efficiency.

- Small sidelit rooms must utilize the ambient lighting in the space to meet daylight harvesting code compliance standards and improve energy efficiency
- LED lighting requires control that is compatible with 0-10V sinking ballasts
- Facility requires a cost-effective solution that is easy to install and will not require extensive programming times
- Small, single zone spaces require dimming and switching
- Facility wants option to incorporate occupancy sensing to ensure lights remain OFF when space are vacant

SOLUTION

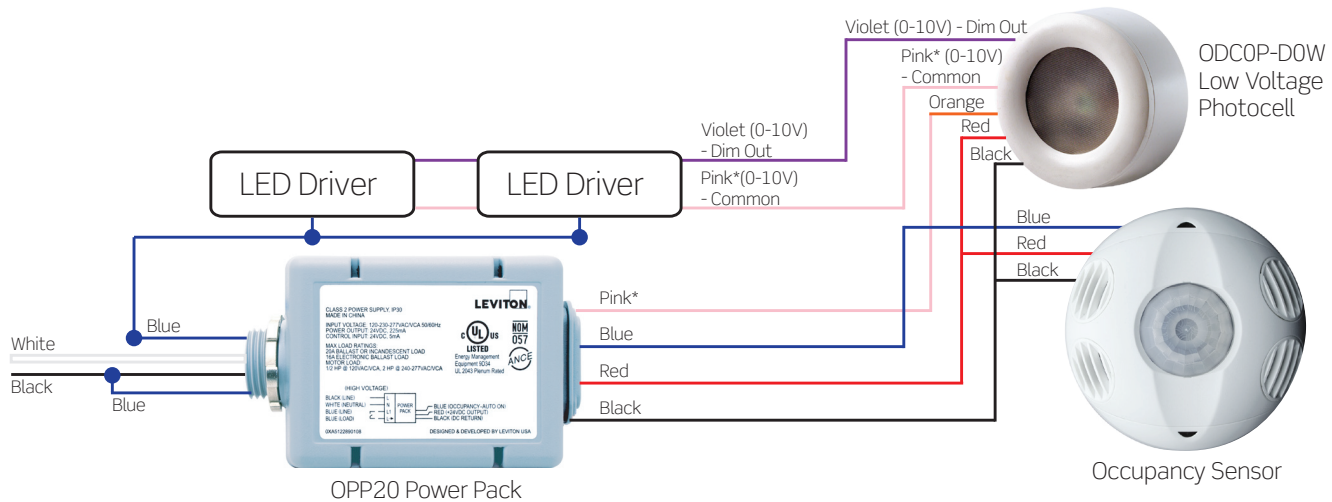
Combine a Low Voltage 0-10V Dimming Photocell with an occupancy sensor for a simplified LED lighting control solution that meets code and standard requirements.

- Products can be used to comply with with IECC, ASHRAE 90.1, and 2016 Title 24, Part 6 occupancy/vacancy sensing, 0-10V dimming, daylight harvesting, partial-ON, partial-OFF, demand response and receptacle control requirements
- The Low Voltage 0-10V Dimming Photocell is an LED ready solution that connects directly to a 0-10V driver to provide a complete daylight harvesting solution
- The exclusive, patented Auto-Calibration feature automatically calibrates the photocell, eliminating the need for additional labor costs during installation
- The onboard digital microprocessor adjusts light levels by mimicking the spectral response of the human eye for single zone dimming, making it an ideal choice for rooms where only one lighting zone is necessary






LOW VOLTAGE 0-10V DIMMING PHOTOCELL AND OCCUPANCY SENSOR INTEGRATION

NOTE: Power Pack and the load switched by the power pack **MUST** be fed from the same phase



*Depending on manufacture date, pink wire may be gray

WHAT YOU WILL NEED

Low Voltage 0-10V Dimming Photocell and Occupancy Sensor Integration		QTY
	Low Voltage 0-10V Dimming Photocell ODC0P-D0W Measures ambient light in the space	1
	Ceiling Mount Multi-Technology Occupancy Sensor ODCxx-MDW Detects occupants in a space to keep lights OFF when vacant	1
	Super Duty Power Pack OPP20-RD3 For photocell and occupancy sensor interfacing to LED lighting loads	1

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Visit our Website at: www.leviton.com/photocells

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