

Irislide

**Intelligent
Lighting Control
for Ballasts,
Now Within
Your Reach.**



I-Series

PL Buildings

Lighting Control Systems

Utilize Existing Light to Reduce Energy Costs

The Iris sensor is mounted on the ceiling of a space with access to daylight. It can be wired to as many as 50 ballast-driven dimming light fixtures. This sensor will measure the luminance within the space, balancing the artificial light with available daylight to provide the right amount of light at the lowest energy cost.



Irislide



Flicker Free Dimming of 100% to 5%

The Slide Control switch wires directly to the dimming ballast and operates in parallel with the Iris Sensor. It provides the ability to adjust the combined lighting up, down or off, using the on-board slide switch or toggle.



Daylight Harvesting and Slide Control of Electronic Ballasts, Through a Single Switch.

The Iris Slide is a cost-effective and energy efficient way to control electronic ballast lighting. Combining the Iris sensor with the Slide Control switch, the Iris Slide provides the savings of daylight harvesting with the flexibility of slide control dimming. You can minimize electrical usage across a room's ballast-driven lighting while still having the ability to slide-dim or even shut-off the lighting. All done at the source, using a single sensor and switch.

Daylight harvesting from as many as fifty ballasts, with only one sensor.

A key component to the Iris Slide is the Iris sensor. The Iris sensor will achieve specified light levels by measuring the amount of existing daylight in a room and supplementing with light from fluorescent fixtures. This class 2 adjustable sensor is photodiode based and can be used to control up to fifty 0-10VDC fluorescent dimming ballasts.

Slide control gives you maximum lighting options.

Another key element of the Iris Slide is the Slide Control switch. This switch provides the ability to turn the lights on or off, or anything in between. The device provides flicker-free dimming of each fixture's output, from 100% all the way down to 5%. It also provides a choice of 120VAC or 277VAC, in either a single-pole or 3-way device.

LEED benefits with minimal expense.

These days it's all about being "Green". The LEED Green Building Rating System is leading the way in

defining building standards. The cost-effective Iris Slide is a great way for you to meet some of those standards while staying within a stringent budget.

A perfect solution for small offices and classrooms.

The Iris Slide allows you to take advantage of a room's existing daylight, supplement it with the overhead fluorescent lighting and then slide dim the lighting to any level you need. In offices and classrooms the occupants can dim or shut-off the room lighting for overhead presentations, smart-board demonstrations or any other circumstance where special lighting is required. The Iris Slide can be installed quickly and easily, using only low-voltage wiring. Imagine, daylight harvesting and fluorescent light dimming, without the need for complex lighting control panels.

A proven history with sensors.

PLC has been providing the industry with ambient light sensors for more than 20 years. These sensors boast the highest level of quality, with a wide range of features. When using these sensors you can trust that they will install and operate quickly and easily.

An ideal lighting solution.

If you are searching for an inexpensive way to combine daylight harvesting and dimming control using a single manual switch, the Iris Slide is a perfect solution. Talk to us about ways to incorporate it into your next project.



Specifications

Sensor

Input Voltage	10VDC (supplied by ballast)
Current	Sink up to 25mA
Low Output	0DC
High Output	10VDC
Adjustment	Range Response: 10-140 fc Time Response: Intact - 20 sec. Cut white/green loop - 10 sec.
Operating Temperature	-13° F to 140° F
Accuracy	+/- 1% at 70° F (21° C)
Tolerance	Repeatability: 12% Linearity: +/- 0.5%
Wiring	Violet: Input voltage Grey: Sinking voltage White/Green: This wire loop controls the sensor response delay, Leave Intact for 20 sec. Delay, cut for a 10 sec. delay
Compliance:	NEC Class 2; RoHS; California Title 24

Slide Control Switch

Accuracy	Continuous, flicker-free control from 100% to 5%
Power Rating	120VAC, 8.5A 277VAC, 3.7A
Dimming Input	10VDC (from ballast)
Low Output	0VDC
High Output	10VDC
Wiring	Black: Input voltage Grey: Sinking voltage
Compliance	NEC Class 2



Lighting Control Systems

If you have any questions, please call us toll-free at 1-866-998-5483
3101 111th Street SW • Suite F • Everett, WA 98204
425-353-7552 • Fax: 425-353-3353 • www.plcmultipoint.com

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