Overview
The PCD-IN-SA sensor is a two wire, loop powered, analog photosensor which provides light level control of fluorescent 0-10VDC electronic dimming ballasts. The PCD-IN-SA sensor is available as an indoor model used in offices and classrooms. It mounts on the ceiling using an adhesive pad and a ½” hole in the ceiling. The sensor’s Fresnel lens sees light reflected within a 60° angle from furnishings and the floor. It is calibrated using a 25 turn potentiometer with a range of 10 to 140 Fc. The response time is changeable by cutting a wire loop.

Specifications
Compatibility:
- T8 and T5 electronic dimming ballasts
- LED drivers with 0-10V dimming control

Electrical:
- Input Voltage: 10 VDC (supplied by ballast or driver)
- Input current: Sink up to 25 mA
- Output Voltage: 0 - 10 VDC
- Maximum # of devices: 50

Light Level range: 10 - 140 Fc

Time Response: 3 sec, cut white/green loop - 10 sec

Viewing Angle: 60°

Accuracy: ±1% at 70 °F (21 °C)

Tolerance:
- Repeatability: 12%
- Linearity: ±0.5%
- Temperature: 1% ±10%

Operating Environment:
- Temperature: -13 °F to 104 °F (-25 °C to 60 °C)

Compliance:
- NEC Class 2, ROHS, Title 24

Ordering
<table>
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<tr>
<th>Product Code</th>
<th>Description</th>
<th>Color</th>
<th>Mounting</th>
<th>Output Voltage</th>
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<tr>
<td>65368</td>
<td>PCD-IN-SA</td>
<td>White</td>
<td>Indoor</td>
<td>0 - 10VDC</td>
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GE
Lighting Controls

GE Aware™
Stand-alone
Daylight-Harvesting Photocell

PCD-IN-SA

imagination at work
Wiring

To prevent electrical shock, disconnect power to the electronic dimming ballast(s) before connecting the sensor. Do not run the wires with or near power wiring. For long wire runs or where there is excessive electrical noise, shielded cable or conduit is required. In any case, maximum wire length is 100 feet. Use 20 or 22 AWG wire and observe the following wire color polarities:

- Violet: Input Voltage
- Grey: Sinking Voltage
- White/Green: This wire loop controls the sensor response delay, leave intact for a three second delay, cut for a ten second delay.
- Blue: N/A
- Black: N/A

Additional dimming ballasts should be connected in parallel.

Mounting