

LED Description

| LED Status | Description/Solution |
|-------------------|--|
| LED not on | The sensor is not powered on. Check power and wiring |
| Blinking Green | The commissioned sensor has powered up and has detected motion. If there is no motion in the sensor's field of view, the blinking will stop. Wave your hands below the sensor to restart LED blinking. |
| Solid Green | The uncommissioned sensor has powered up successfully and completed the wiring test with no unexpected conditions – waiting for discovery. |
| Blinking Red | The uncommissioned sensor has powered up and completed the wiring test with one or more conditions unexpected of a typical LED fixture – waiting for discovery. |
| Solid Red | Faulty sensor – replace the sensor. |
| Solid Blue | Sensor received a request to identify itself. |
| Blinking Blue | The uncommissioned sensor powered up successfully, but the sensor is unable to detect an energy measurement device (CU or Driver), waiting for discovery. |
| Blinking Magenta | When the sensor is connected to a DALI emergency driver that is currently in the process of an emergency test or an emergency test pending. |
| Interrupted Green | Un-commissioned fixtureless sensors. |



Copyright © 2022 Enlighted Inc. All rights reserved.
All other brand or product names are trademarks of their respective companies or organizations.

Company Contact Information

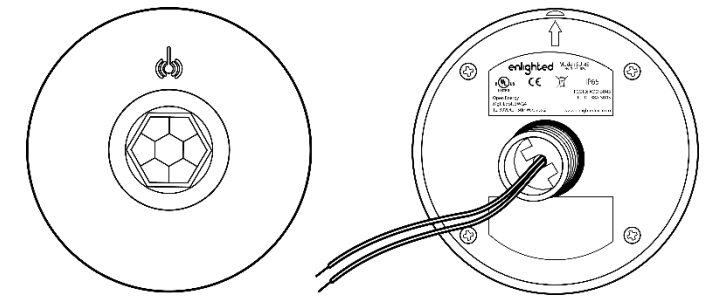
Address: : 3979 Freedom Circle, #210, Santa Clara, CA 95054
Phone: +1.650.964.1094
Web: enlightedinc.com
DoCs: <https://support.enlightedinc.com/hc/en-us/articles/360048261354-Regulatory-Compliance-Certification>
Technical Support: support@enlightedinc.com

Model No:

SU-5S-2W-HRW: Ruggedized Sensor, 2-wire, High Bay, White
 SU-5S-2W-LRW: Ruggedized Sensor, 2-wire, Standard, White
Product Code: SU-5S-2W-xRx-xxx
 xRx: HRW, LRW
 xxx: IoT Node (IoT), Connected Lighting (CL), Fixtureless (FL)
FCC ID: AQQ-SU5S
IC: 10138A-SU5S



Ruggedized Sensor, 2-wire Install Guide



Ruggedized Sensor, 2-wire, (Front and Rear)

Shipped Components

- Ruggedized Sensor, 2-wire, (SU-5S-2W-xRx), or Fixtureless (SU-5S-2W-LRW/HRW-FL).
- ½" (13 mm) Lock Nut

Supplemental Components

- ½" (13 mm) LB Conduit Body
- ½" (13 mm) Chase Nipple

Tools you may Need

- ½" (13 mm) Knock out tool
- Wire Stripper

Caution

A qualified electrician must perform installation and maintenance under local, state, and national electrical codes (NEC) and requirements. For installations outside of North America, qualified personnel MUST confirm products powered by FELV circuits, such as some DALI installations, are properly installed and maintained in accordance with appropriate standards.

Warning

 FELV circuits are not safe to touch.



- Isolate the circuits connected to any FELV source from the AC mains supply of the control gear.
- Ensure to protect the FELV circuit from any accidental contact.

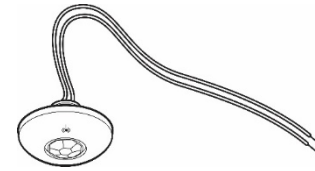


- When installing the sensors, de-energize the FELV source and any AC main sources near the FELV.
- Place the sensors in a secure location, such as in the ceiling near a luminaire, with the cabling above the ceiling or within the luminaire.
- The NEC considers electrical equipment installed a minimum of 8 ft (2.5 m) off the floor to be suitably guarded against accidental contact.
- Circuits connected to any FELV control terminal must be insulated for the LV supply voltage of the control gear, and all terminals connected to the FELV circuit must be protected from accidental contact.

Installation

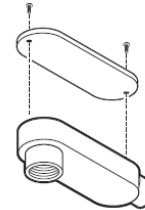
The Ruggedized sensor, 2-wire, is shipped with the cable attached to the sensor. The cable connection is compatible with 18AWG (0.75 mm²) solid wires with 7-9 mm (0.28-0.35 inches) of stripped length. The sensor can be mounted to the fixture using a conduit body and chase nipple or locknut.

Step 1: De-energize the luminaire.

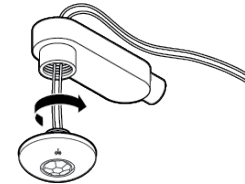


Mounting using the Conduit Body and Chase Nipple

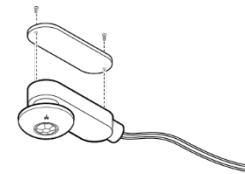
Step 1: Remove the cover plate of the ½ inch (13 mm) LB conduit body by removing the two screws.



Step 2: Thread the Ruggedized sensor onto the LB conduit body.

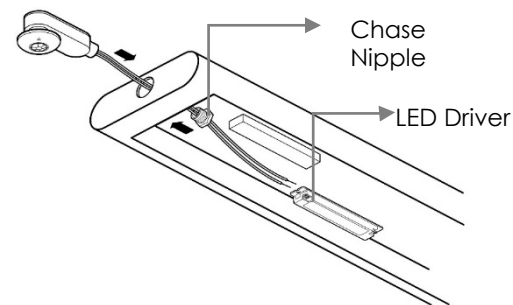


Step 3: Replace the cover and two screws on the LB conduit body.



Step 4: Knock out a ½ inch (13 mm) hole on the end of the light fixture.

Step 5: Mount the 2-Wire Ruggedized Sensor LB conduit to the fixture by guiding the sensor cable through the knock-out and chase nipple into the fixture.



Step 6: Thread the chase nipple to securely connect the LB conduit to the fixture.

Mounting using the Locknut

Step 1: Knock out a ½ inch (13 mm) hole on the bottom of the light fixture.

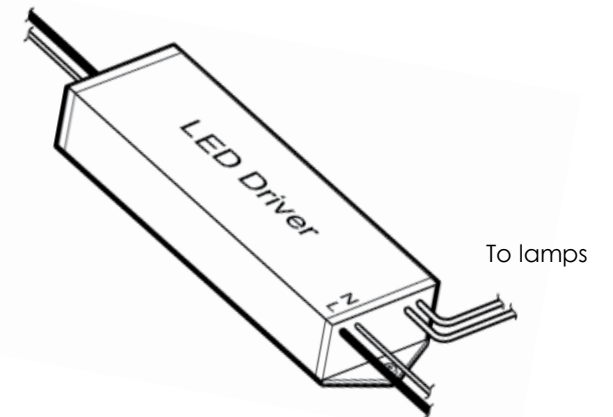
Step 2: Glide the sensor cable through the knockout of the fixture.

Step 3: Thread the locknut tightly to secure the sensor to the fixture.

Connecting the Sensor Cable to the LED Driver

Step 1: Insert the end of the pair of wires into the LED driver.

To Enlighted sensor



From Mains Power

Step 2: Energize the luminaire and confirm that the green LED is on solid. Refer to the *LED Descriptions* on page 5.