Enlighted SU-6E-8W Micro Sensor

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Shipped Components

- Enlighted Micro Sensor, 8-pin, (SU-6E-8W)

Supplemental Components

- Enlighted Sensor Cable
- Enlighted Control Unit

Tools You May Need

- 7/8" Drill bit (1/2" knock out trade size)
- Hand drill

Caution

- A qualified electrician must perform installation and maintenance under local, state, and national electrical codes (NEC) and requirements.
- To avoid the possibility of exceeding the FCC and ISED radio frequency exposure limits, human proximity to the radiator shall not be less than 20cm during normal operation.
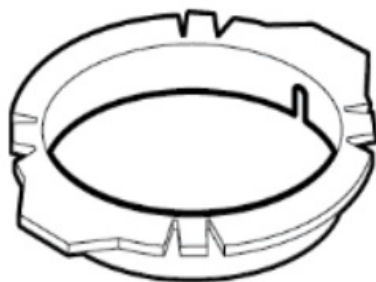
Fixture Mount Sensor Installation

- **Step 1:** De-energize the luminaire.

  Note: For fixture mounting, use the fixture carrier and nut that is shipped with the sensor. The fixture mount can accommodate up to 0.25" thickness materials.
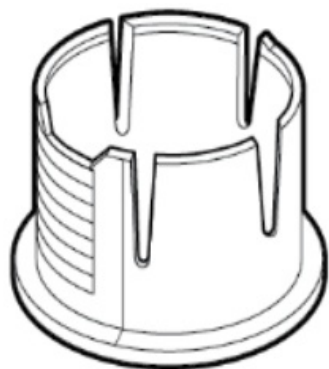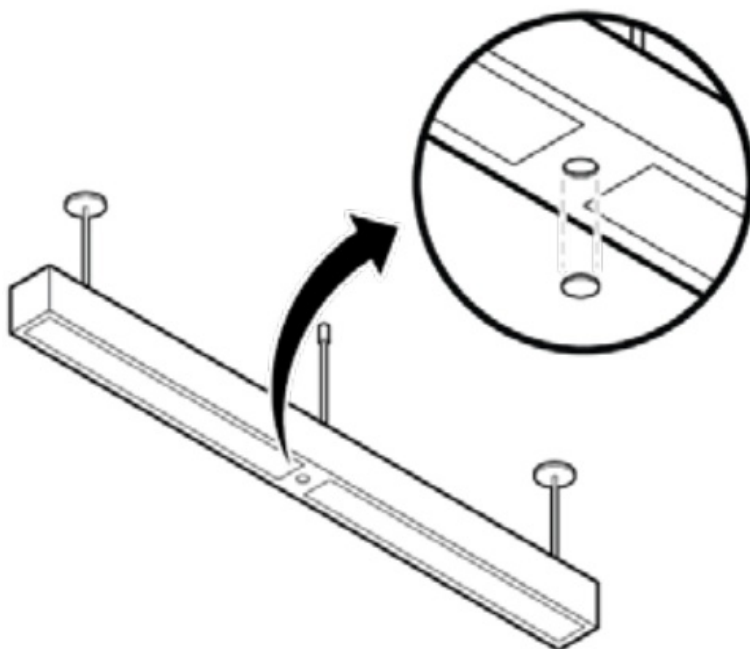

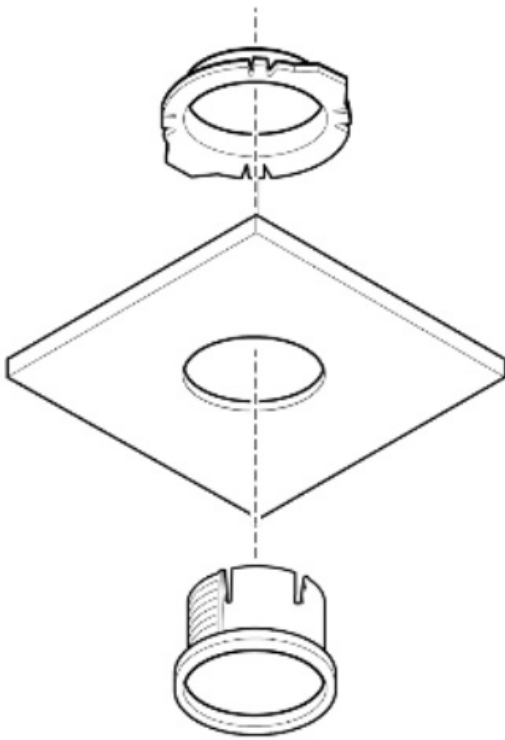
Fixture Carrier   Nut

- **Step 2:** Determine the location for the sensor in the fixture and cut a ½ inch (7/8"
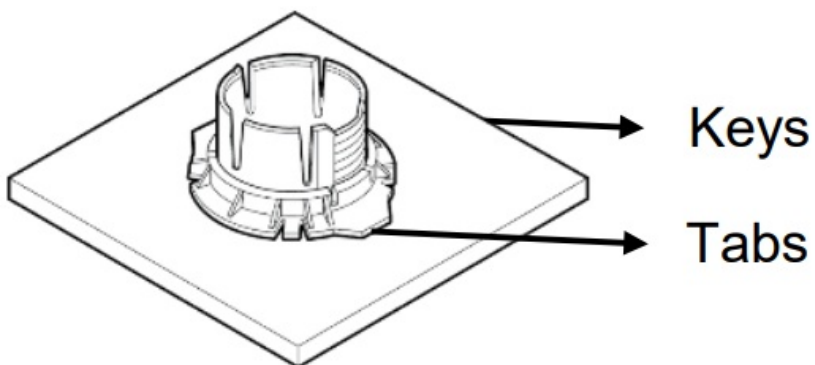

  diameter) knockout in the fixture.
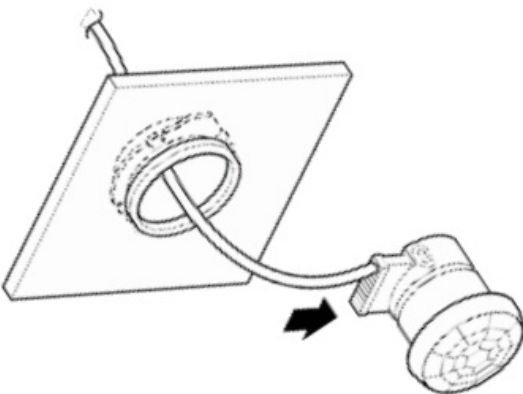- **Step 3:** Insert the fixture carrier through the hole in the fixture.
- **Step 4:** From behind the fixture, align the tabs of the nut with the keys on the fixture carrier.
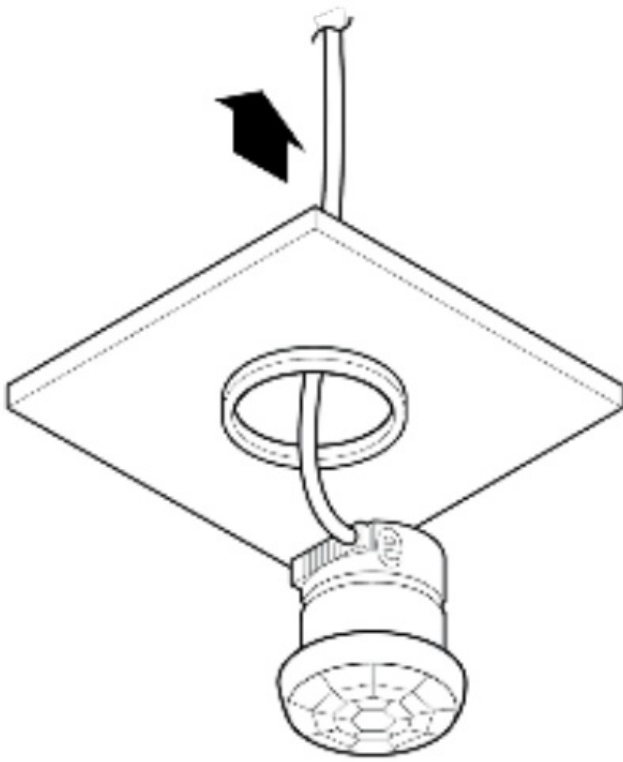
- **Step 5:** Slide the tabs of the nut along the keys of the carrier to fasten the carrier.

Keys

Tabs

- **Step 6:** Insert the 8-pin end of the sensor cable through the carrier.

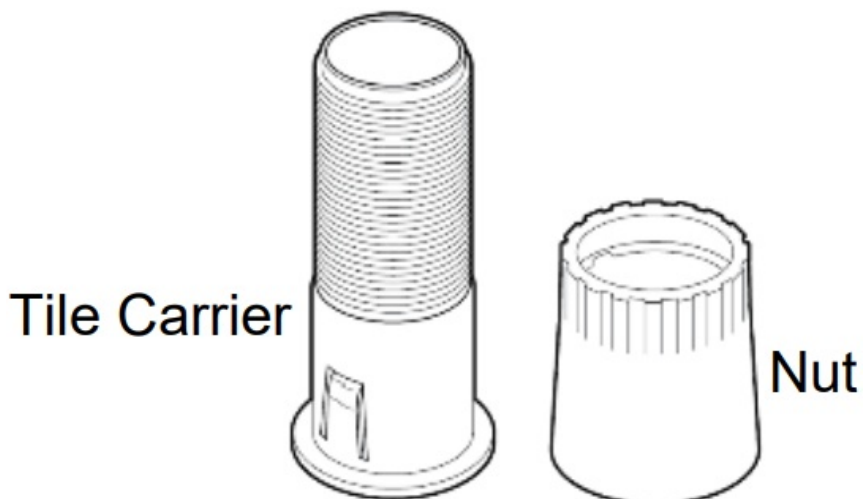- **Step 7:** Connect the 8-pin connector to the sensor.

- **Step 8:** Guiding the wire from above, push the sensor into the carrier until it securely clicks into the carrier.
- **Step 9:** Leave four inches of slack cable in the sequence loop to avoid pinching of the cable and to bring the sensor down if it needs to be replaced.
- **Note:** Do not pull the cable forcefully as this might damage the cable or connector.
- **Step 10:** See section Connecting the Sensor Cable to the Control Unit on Page 5.

Tile Mount Sensor Installation

Note: For tile mounting, the tile carrier and nut must be ordered separately. The tile mount can accommodate up to 1.5" thick tiles.

- **Step 1:** De-energize the luminaire.

Tile Carrier

Nut

- **Step 2:** Make a 7/8th diameter hole in the ceiling tile.
- **Step 3:** Insert the tile carrier through the hole into the tile.
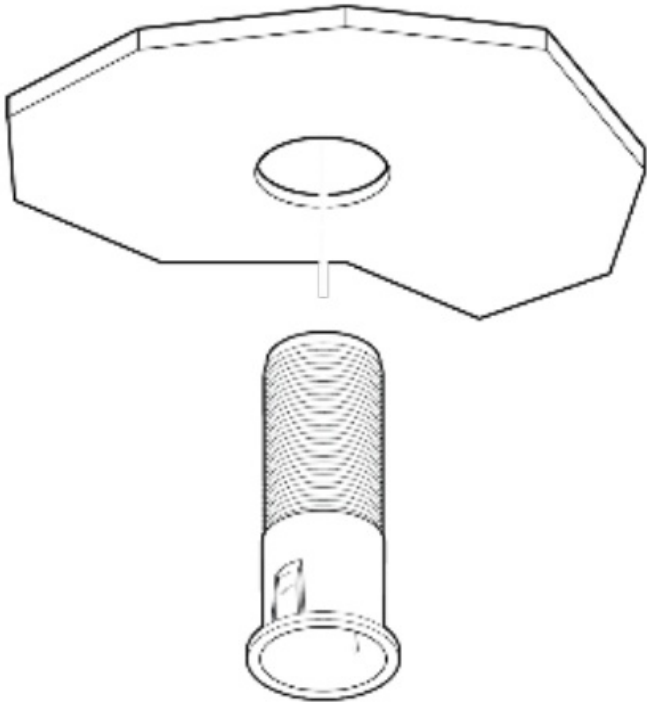
- **Step 4:** Thread the plain end of the nut from behind the tile to secure the carrier.
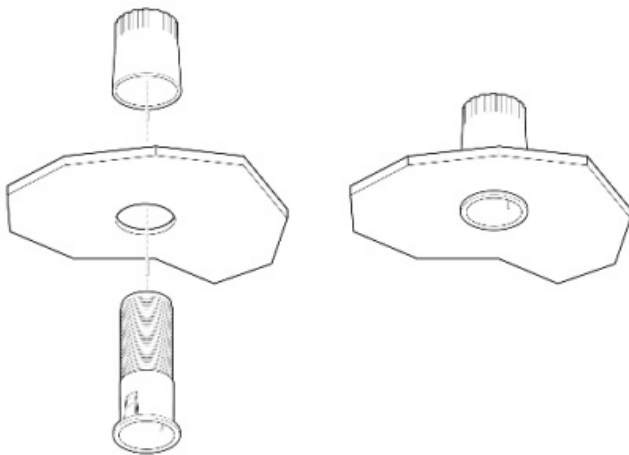
If the tile is thicker than normal, flip the nut and thread the ribbed end of the nut to secure the carrier.

- **Step 5:** Insert the 8-pin end of the sensor cable through the carrier.
- **Step 6:** Connect the 8-pin connector to the sensor.

- **Step 7:** Guiding the wire from above, push the sensor into the carrier until it securely clicks into the carrier.

- **Step 8:** Leave four inches of slack cable in the sequence loop to avoid pinching of the cable and to bring the sensor down if it needs to be replaced.

  Note: Do not pull the cable forcefully as this might damage the cable or connector.
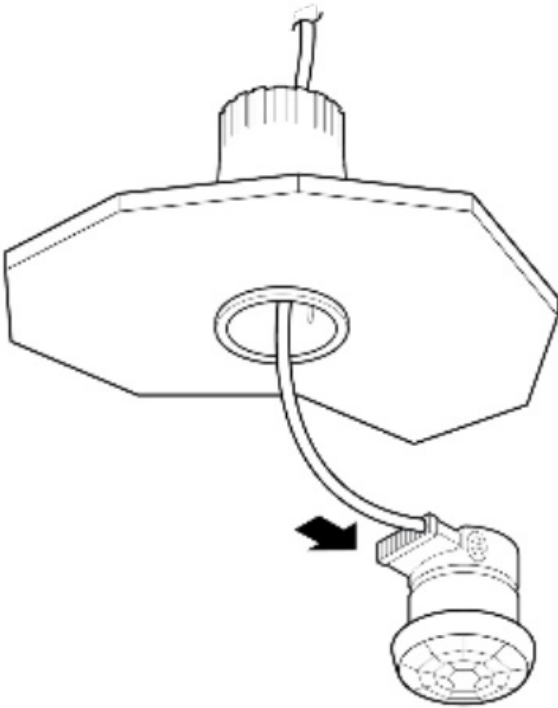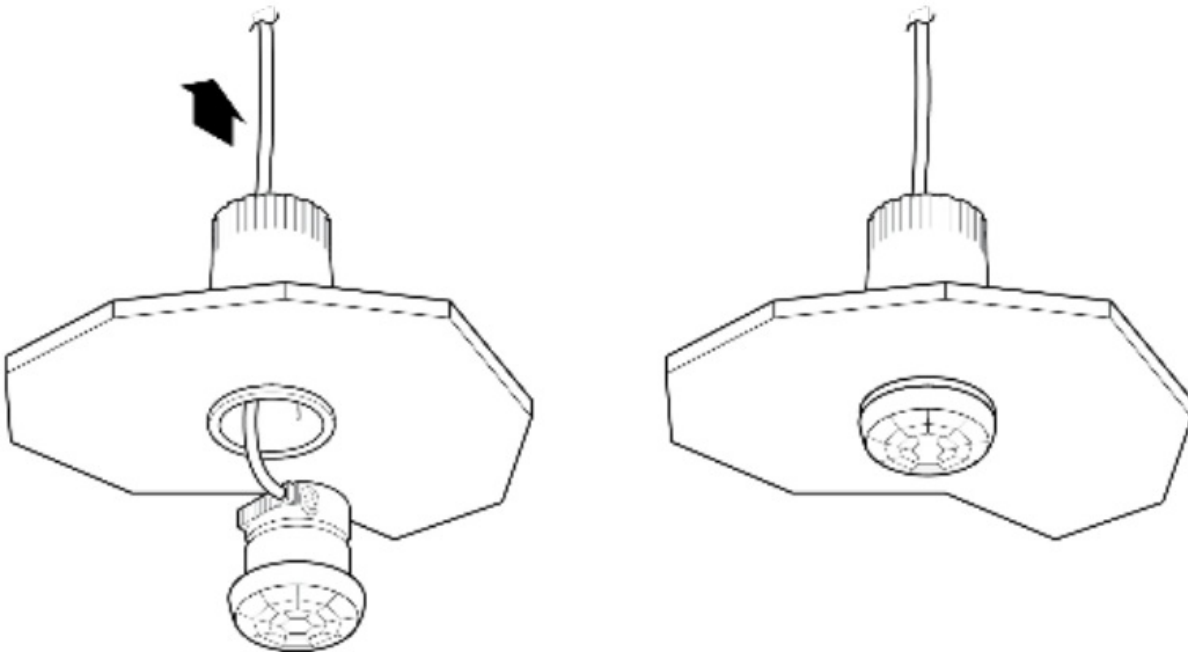- **Step 9:** See section Connecting the Sensor Cable to the Control Unit on Page 5.

Connecting The Sensor Cable To The Control Unit

1. **Step 1:** Connect one end of the sensor cable to the Control Unit (CU). For wiring connections from the Control Unit to the sensor, refer to the Control Unit Installation

Guide.

2. **Step 2:** Energize the luminaire and confirm that the green LED is on solid.

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.
Interrupted Green	Un-commissioned fixtureless sensors.

This device complies with Part 15 of the FCC Rules and Innovation, Science and Economic Development Canada's license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may

cause undesired operation of the device.

Changes or modifications not expressly approved by Enlighted could void the user's authority to operate the equipment.

Customer Support

Company Contact Information

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DoCs: https://www.enlightedinc.com/eu-docs/

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Model No. SU-6E

Product Code: SU-6E-8W

Power: : 200mW

FCC ID: AQQ-SU6E

IC: 10138A-SU6E

€ Enlighted

Documents / Resources

	Enlighted SU-6E-8W Micro Sensor [pdf] Installation Guide SU-6E-8W, SU-6E-8W Micro Sensor, Micro Sensor, Sensor

References

- [User Manual](#)

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