

Lumination® LED Luminaire



LSA Series Installation - Daintree® Sensor Accessory



BEFORE YOU BEGIN

Read these instructions completely and carefully.
Save these instructions for future use.



WARNING/AVERTISSEMENT

RISK OF FIRE OR ELECTRIC SHOCK

- Turn power off before inspection, installation or removal.
- Follow all NEC and local codes.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- Wear safety glasses and proper aid during installation and maintenance.
- Install this kit only in the luminaires that has the construction features and dimensions shown in the photographs and/or drawings.
- Above ceiling access required.
- While the sensor is designed to withstand Electrostatic Discharge (ESD), it is always advisable to touch a grounded metal object before handling the sensor, particularly in an operating fixture.

RISQUES D'INCENDIE OU DE DÉCHARGES ÉLECTRIQUES

- Coupez l'alimentation avant d'inspecter, installer ou déplacer le luminaire.
- Respectez tous les codes NEC et codes locaux.
- Ne pas percer ou altérer les trous d'un boîtier contenant filou composan électrique durant l'installation.
- Porter des lunettes de sécurité et les aides appropriées lors de l'installation et de l'entretien.
- Installez ce kit uniquement dans les appareils d'éclairage qui a les caractéristiques de la construction et les dimensions indiquées dans les photographies et/ou dessins.
- Accès requis au-dessus du plafond.
- Bien que le capteur soit conçu pour résister aux décharges électrostatiques (ESD), il est toujours conseillé de toucher un objet métallique mis à la terre avant de manipuler le capteur, en particulier dans une installation en fonctionnement.

Specifications

Description Code for Sensor Accessory

T1 (WIT100 Sensor) - Daintree One (120-277 VAC)
TT (WIT100 Sensor) - Daintree EZ Connect (120-277 VAC)
TZ (WIZ100 Sensor) - Daintree Networked (120-277 VAC)
TM (WMZ10 Sensor) - Daintree Networked Multi-Sensor (120-277 VAC)

Prepare Electrical Wiring



Electrical Requirements

- The LED luminaire must be connected to the mains supply according to its ratings on the product label.



Grounding Instructions

- The grounding and bonding of the overall system shall be done in accordance with National Electric Code (NEC) Article 600 and local codes.

Save These Instructions

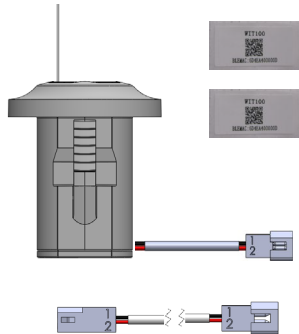
These instructions do not purport to cover all details or variations in components nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purpose, the matter should be referred to GE Current, a Daintree company. GE Current, a Daintree company does not claim liability for any installation not performed according to a this guide or not by a qualified electrician.

CONTACT FACTORY for details and limitations when seeking to add this device to a luminaire being used with an emergency system other than Battery Backup.

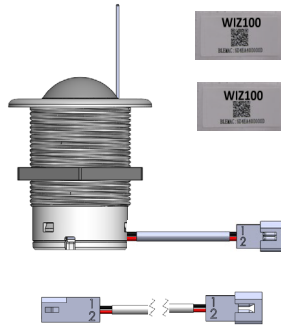
COMPONENTS SUPPLIED AND IDENTIFICATION

WIT100

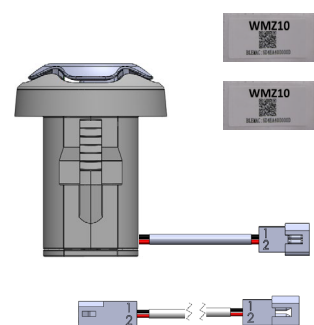
- T1 - Daintree One Sensor
Or
- TT - Daintree EZ Connect Sensor
- CMP Cable
- Identification sticker labels

**WIZ100**

- TZ - Daintree Networked Sensor
- CMP Cable
- Identification sticker labels

**WMZ10**

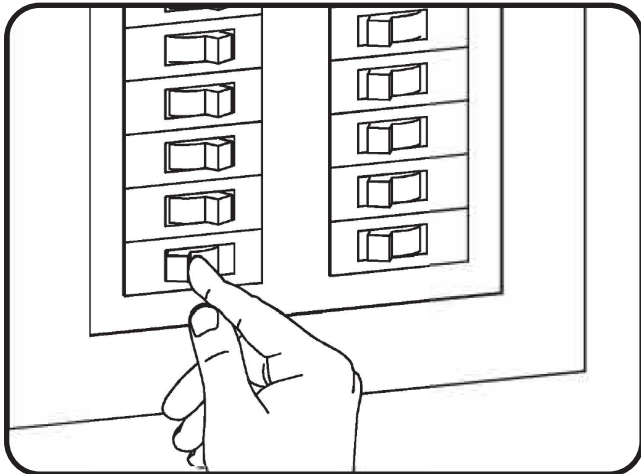
- TM - Daintree Networked Multi-Sensor
- CMP Cable
- Identification sticker labels

**NOTE:**

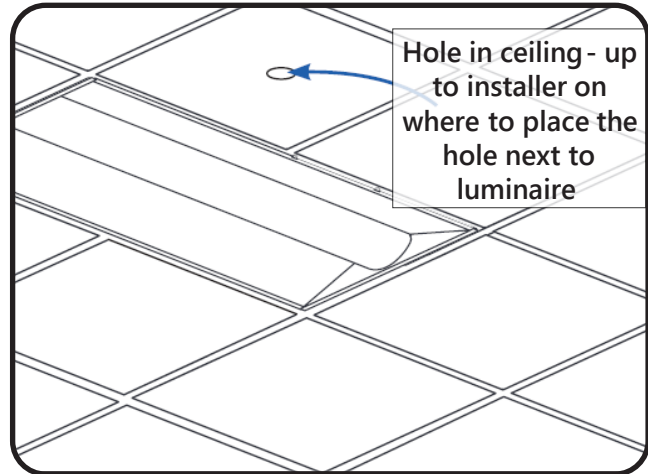
- All cables are CMP (Plenum) rated.
- Identification sticker labels are to be placed on or near luminaire and on a floor plan for mapping

OPTION A - NON ENCLOSED SENSOR INSTALLATION

SENSOR ACCESSORY INSTALLATION WITH CURRENT LED FIXTURE (SQ OPTION)

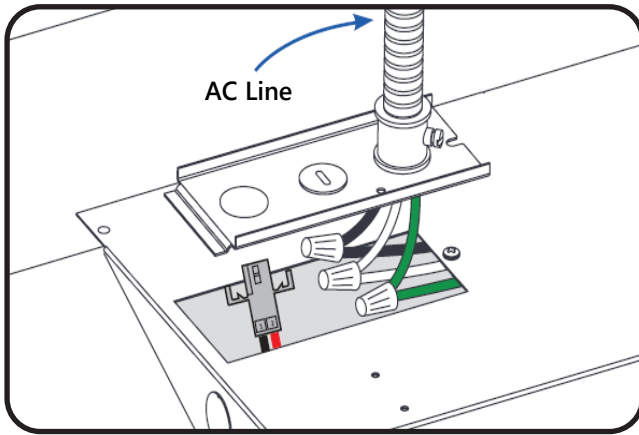
① DISCONNECT POWER

Disconnect incoming power to the fixture at the panel.

② INSTALL SENSOR UNIT DIRECTLY INTO CEILING**Mounting Option – Using ONLY CMP (Plenum) Rated Cable**

Make a hole in ceiling where sensor is to be mounted. It is recommended that the diameter of the hole be slightly smaller than the outer diameter of the sensor body. The recommended diameter of the hole should be approximately 5/8" or 16mm. The sensor should be wedged into softer (e.g. drywall or ceiling tile) material for extra grip. The sensor will have either snap arms or a nut to fasten to ceiling.

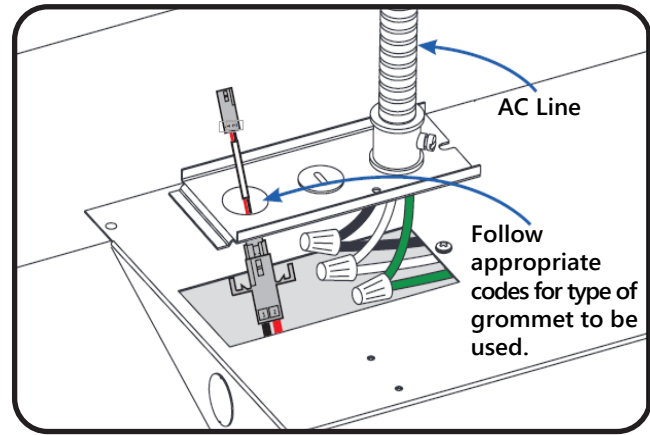
③ CONNECT SUPPLIED SENSOR CABLE



Connect sensor cable to luminaire or accessory box. If the sensor cable is not mounted on the knockout plate, remove the knockout plate to access the sensor cable. The luminaire or accessory box will have a black and red cable with a male connector located inside the electrical cavity. Remove a knockout hole on the knockout plate. Follow appropriate codes for type of grommet to be used for the sensor cable to pass through the hole.

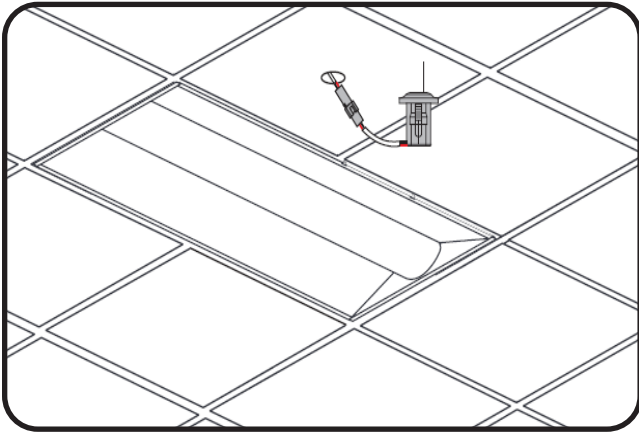
NOTE: The sensor cable connector may be mounted on the outside of the knockout plate. In this case plug the sensor cable in without removing knockout plate.

④ ROUTE SENSOR CABLE OUT OF FIXTURE



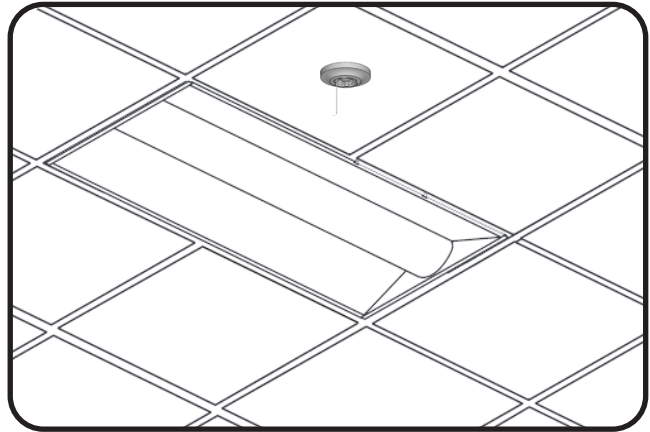
Route the sensor cable through the knockout hole and/or bushing into luminaire and make the connection. Fasten the knockout plate back to luminaire. All work happens above ceiling. The luminaire does not have to be removed.

⑤ LOCATE SENSOR LOCATION



Depending on sensor mounting, route cable through created hole in ceiling. Make sure sensor is connected to the cable.

⑥ INSTALL SENSOR IN CEILING



Installation is complete.

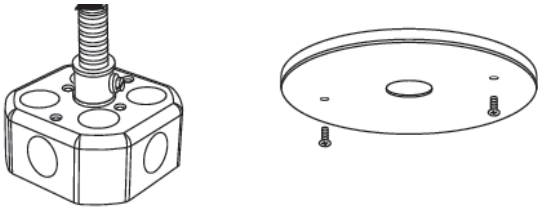
OPTION B - ENCLOSED SENSOR INSTALLATION**SENSOR ACCESSORY INSTALLATION WITH GE CURRENT LED FIXTURE (SQ OPTION)****1 COMPONENTS REQUIRED**

Materials to be supplied by installer:

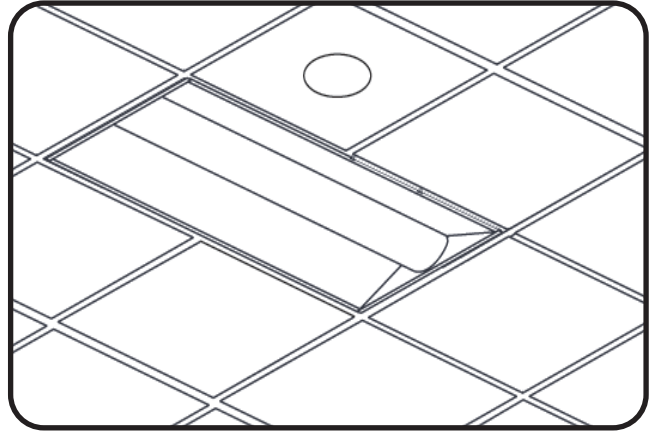
- Standard electrical enclosure box (UL listed)
- Electrical conduit (UL listed)

Materials ordered separate as an accessory from Current:

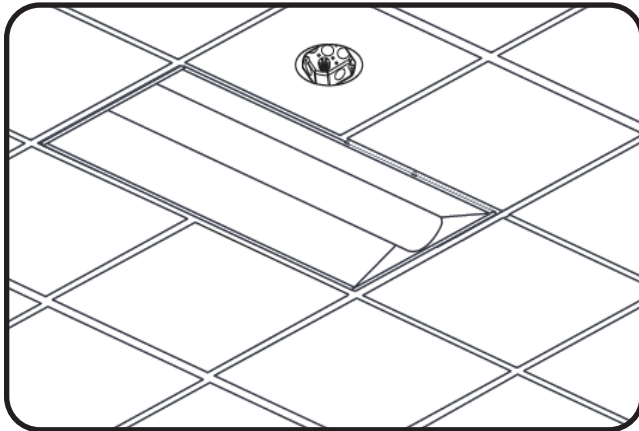
- Cover plate and mounting screws



Mounting Option – When conduit is required by code.

2 CREATE HOLE IN CEILING

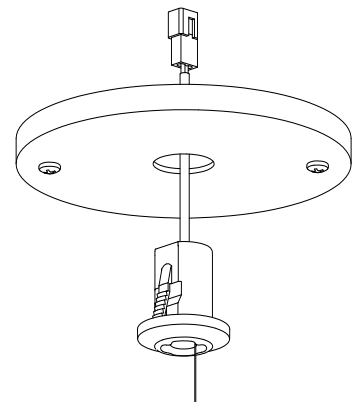
Make hole in ceiling to accommodate a standard UL listed electrical enclosure compatible with cover plate.

3 MOUNT ELECTRICAL BOX

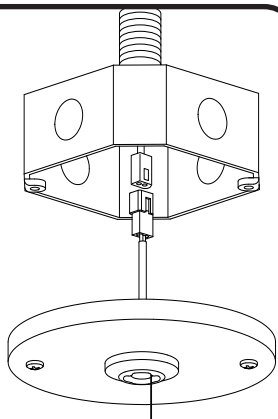
Mount the electrical box to the ceiling following appropriate codes.

4 INSTALL SENSOR ON COVER PLATE

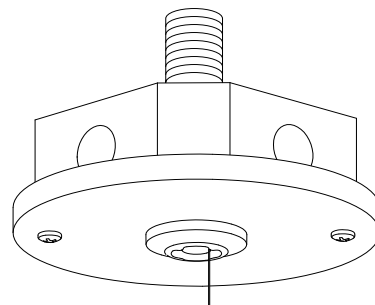
Place sensor cable into appropriate sized electrical conduit per code. If sensor connector does not fit conduit diameter, cut and splice sensor cable wires following appropriate codes.

**5 CONNECT SENSOR**

Use supplied cover plate and attach sensor. Once connected to cover plate, connect the sensor to the sensor cable.

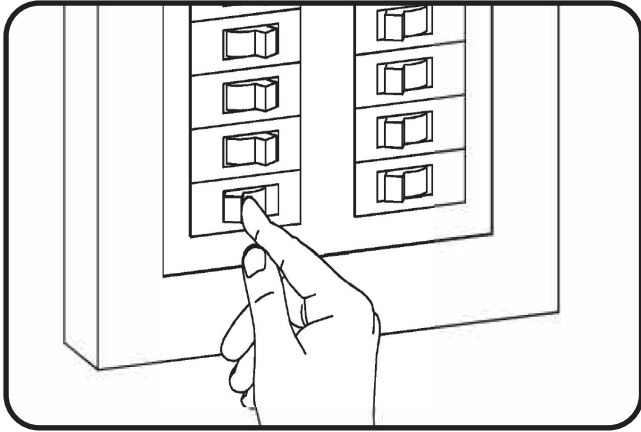
**6 ATTACH COVER PLATE**

Use supplied screws to attach cover plate to electrical box. Installation is complete.

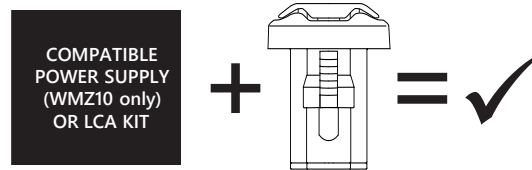


OPTION C - SENSOR ACCESSORY INSTALLATION STANDALONE UNIT (NO LED FIXTURE)

FOLLOW OPTION A OR B FOR NON ENCLOSED OR ENCLOSED INSTALLATION

① DISCONNECT POWER

Remove power by switching circuit breaker to the off position.

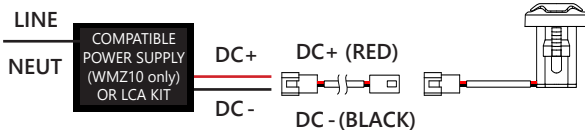
② VERIFY POWER SUPPLY AND SENSOR ARE COMPATIBLE

To verify a compatible power supply, please refer to the Power Supply Compatibility List table on each device's spec sheet.

Note: Connect TM sensor to GE Lighting Solutions LLC LED drivers or control modules not capable of providing greater than 15VA power, including but not limited to models listed in Power Supply Compatibility List.

③ MAKE ELECTRICAL CONNECTIONS

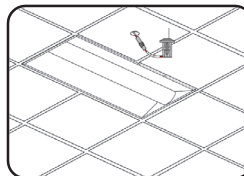
120-277VAC



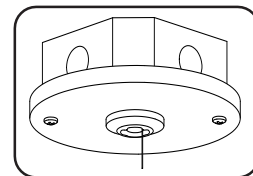
Connect wires from the power supply or LCA Kit to the sensor input wires. Connect the power supply input wires to the appropriate power source. Use only U.L. approved wire connectors for all electrical connections. Be sure to insulate unused leads INDIVIDUALLY to 600Vrms using U.L. approved wire connectors.

④ CEILING INSTALLATION (SEE OPTION A OR B)

OPTION A
• Direct ceiling install
(CMP cable used)



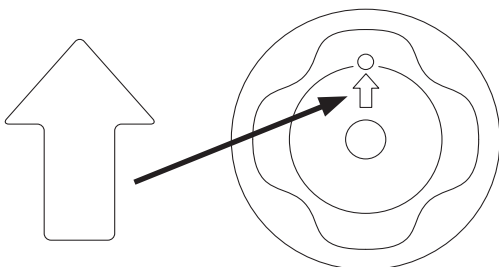
OPTION B
• Metal box/conduit
install



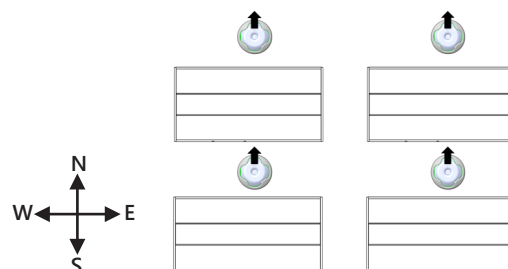
Install the sensor unit into the ceiling following the same steps as mentioned in Option A or B of this installation guide.

⑤ TM MULTI-SENSOR ORIENTATION MARK

For the WMZ10 TM Multi-Sensor there is an arrow on the lens. This arrow is a mark or indicator for the direction of the sensor.

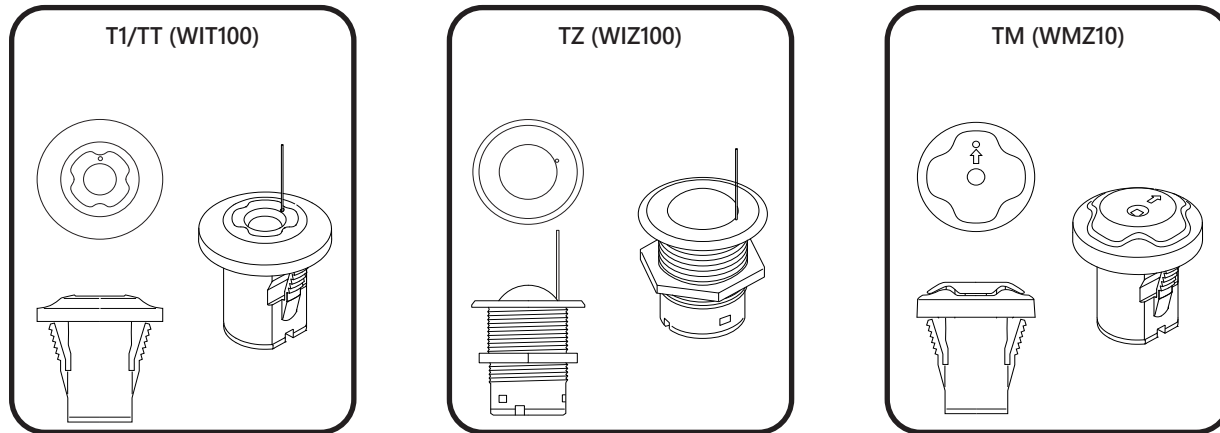
**⑥ TM MULTI-SENSOR ORIENTATION REQUIREMENT**

When the sensor is installed, all sensors should face the same direction. The arrow can be used to point all sensors in one direction. As a reference all sensors installed should have the arrow pointing North.

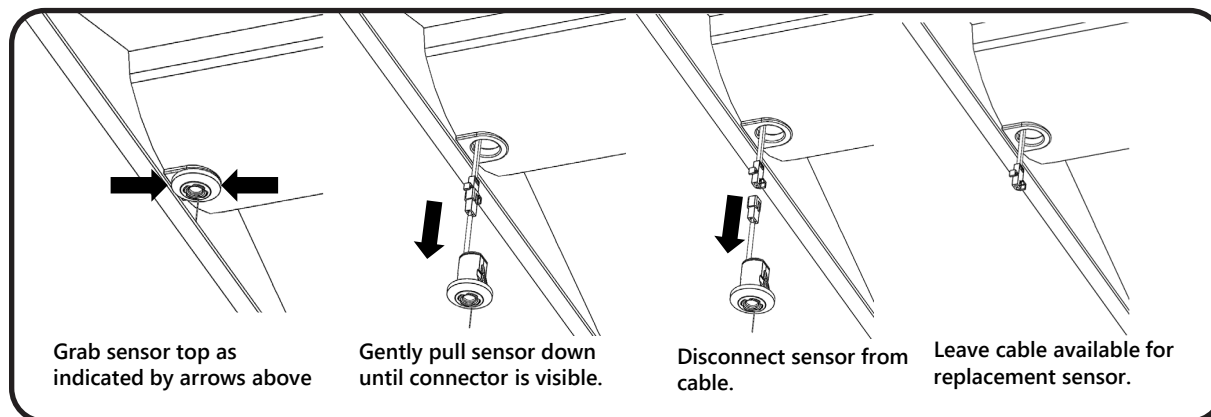


SENSOR REPLACEMENT

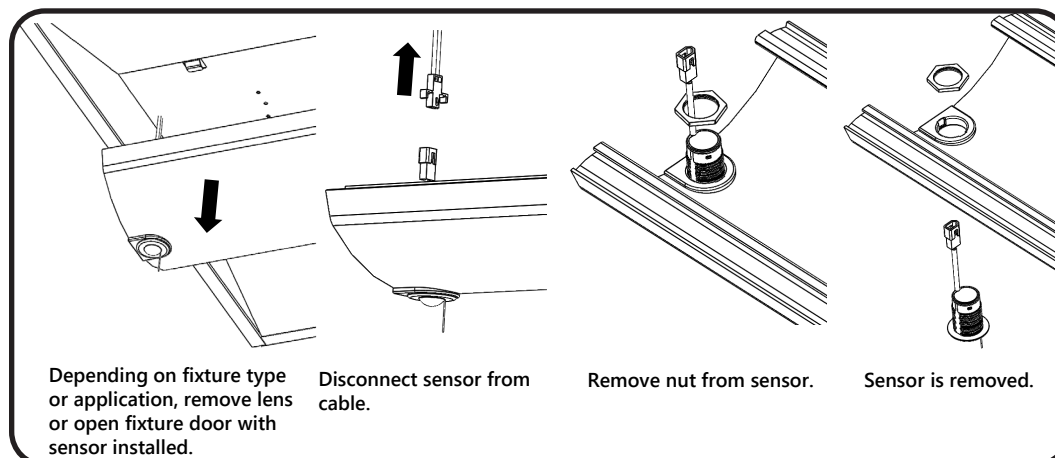
① IDENTIFY SENSOR MODEL INSTALLED



② REMOVE SENSOR FROM CEILING OR LED FOR T1/TT & TM SENSORS



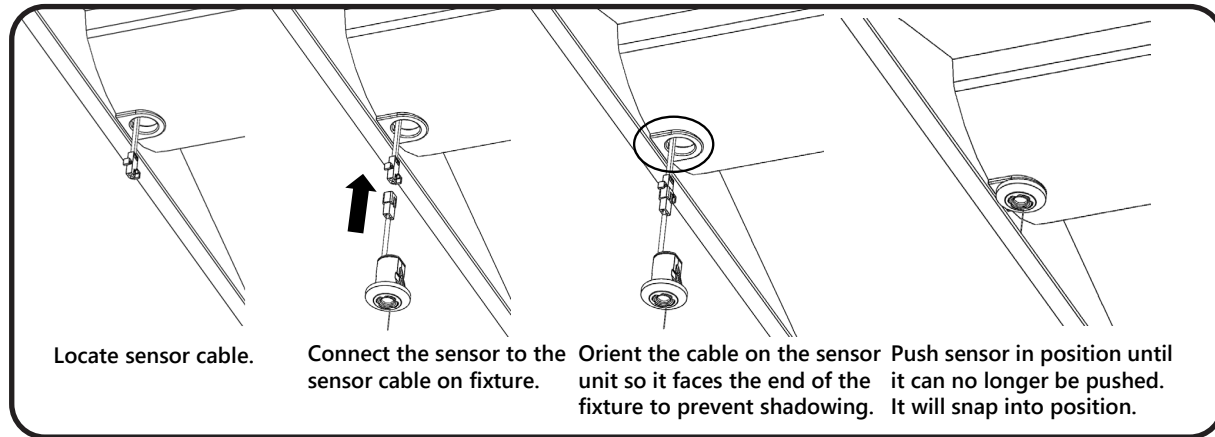
FOR TZ SENSORS



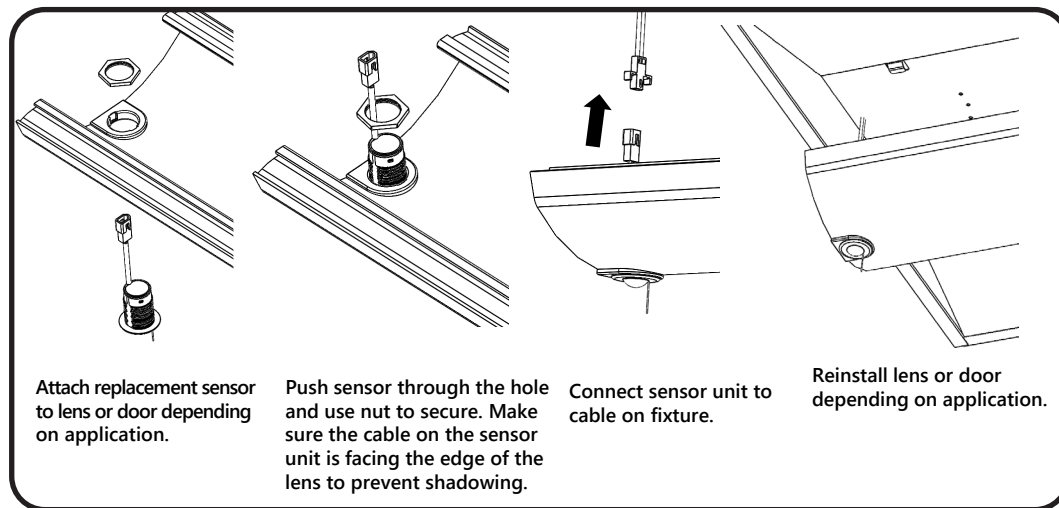
SENSOR REPLACEMENT

③ INSTALL REPLACEMENT SENSOR/fixture

FOR T1/TT & TM SENSORS



FOR TZ SENSORS



Note:

- Identification sticker labels are to be placed on or near luminaire and on a floor plan for mapping.

FOR STANDALONE SENSOR ACCESSORIES THE FOLLOWING STATEMENTS APPLY

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This device complies with part 15 of the FCC Rules. 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. This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To satisfy FCC/ISED RF exposure requirements a separation distance of 20 cm or more must be maintained between the antenna of this device and persons during operation. Operation at closer than 20cm is not permitted

Pour être conforme aux limites d'exposition aux ondes RF des normes FCC/ISED, une distance de séparation d'au moins 20 cm doit être maintenue entre l'antenne de cet appareil et toute personne pendant son opération. Mettre en opération cet appareil à une distance plus rapprochée que 20 cm n'est pas permis.

T1/TT: WIT100 (DaintreeOne/EZ Connect Sensor)
FCC ID: 2AS3F-WIT100
IC: 25008-WIT100



TZ: WIZ100 (DaintreeEnterprise Sensor)
FCC ID: 2AS3F-WIZ100
IC: 25008-WIZ100



TM: WMZ10 (DaintreeEnterprise Multi-Sensor)
FCC ID: 2AS3F-WMZ10
IC: 25008-WMZ10

For a complete list of the harmonized standards that these products are in conformity with, please see the EU Declaration of Conformity for each device on gecurrent.com.

Additional Regulatory Information

(consult regulatory standards for more information)

Purpose of Control	Operating Control
Method of Mounting Control	Independently Mounted Control. Sensor modules intended for flush mounting into a recessed cavity
Type of Action and Additional Features	Type 1
Control Pollution Degree	2
Function/Software Class & Structure	Class 2
Rated Impulse Voltage	330V

Note: Any external cables connected to T1, TT, & TZ devices are NOT to exceed 3 meters length. Any external cables connected to TM devices are NOT to exceed 30 meters length.

FOR SENSOR INSTALLATION INTO LED FIXTURES THE FOLLOWING STATEMENTS APPLY

This device complies with Part 15 of the FCC Rules. 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. CAN ICES-005 (A) / NMB-005 (A)

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.