



INSTRUCTIONS

IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:

1. **READ AND FOLLOW ALL SAFETY INSTRUCTIONS**
 2. Disconnect power before performing work on electrical equipment.
 3. Do not let power cords touch hot surfaces and do not mount near gas or electric heaters.
 4. Use caution when servicing batteries. Battery acid can cause burns to skin and eyes. If acid is spilled on skin or eyes, flush with fresh water and contact a physician immediately.
 5. Equipment should be mounted in locations and at heights where unauthorized personnel will not readily subject it to tampering.
 6. The use of accessory equipment not recommended by BeLuce Canada Inc., may cause an unsafe condition, and will void the unit's warranty.
 7. Do not use this equipment for other than its intended purpose.
 8. Servicing of this equipment should be performed by qualified service personnel.
 9. **SAVE THESE INSTRUCTIONS!**
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INSTALLATION

NOTE: FIXTURE ORIENTATION IS IMPORTANT FOR LIGHT DISTRIBUTION (SEE PAGE 3).

Surface Mounting with Conduit Entry:

1. Extend unswitched 24 hour AC supply of rated voltage from a conduit (supplied by others) installed in accordance with all applicable codes and standards. This circuit should NOT be energized/live at this time.
2. Open the unit by removing (4) cover mounting screws. (Figure 1)
3. Knockout (2) mounting holes in back of back box, then knockout side entry hole to add hazardous conduit bushing. Peel backing of gasket and stick to back of back box. (Figure 1)

Alternate method using straps, see figures 6 and 7.

Knockout side entry hole to add waterproof strain relief (by others). Secure both straps with 2 screws and place the back box to mounting surface with 4 screws (by others). Skip to #5

4. Secure back box to mounting surface with (2) screws (not supplied).
 5. Bring supply wire through the side entry and make proper wiring connections. Connect ground to supplied green ground wire in accordance with local codes.
 6. Plug in the connector on the battery into the circuit board (for EM and ACEM models).
 7. Route wires and secure in place.
 8. Replace cover. Note cover orientation.
 9. Turn on AC line voltage supply.
 10. Light distribution can be changed by using a different lens. See page 3 and Figures 3, 4 and 5.
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Junction Box Mounting:

1. Extend unswitched 24 hour AC supply of rated voltage to a junction box (supplied by others) installed in accordance with all applicable codes and standards. Leave at least 8 inches of slack wire. This circuit should NOT be energized/live at this time.
 2. Open the unit by removing (4) cover mounting screws. (Figure 1)
 3. Knockout (2) mounting holes and (1) entry hole in back of back box.
 4. Peel backing of gasket and stick to back of back box. (Figure 1)
 5. Feed wires through entry hole and secure back box to junction box.
 6. Make proper wiring connections. Connect ground to supplied green ground wire in accordance with local codes.
 7. Plug in the connector on the battery into the circuit board (for AC and ACEM models).
 8. Route wires and secure in place.
 9. Replace cover. Note cover orientation.
 10. Turn on AC line voltage supply.
 11. Light distribution can be changed by using a different lens. See page 3 and Figures 3, 4 and 5.
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CAUTION

This equipment is furnished with a sophisticated low voltage battery dropout circuit to protect the battery from over-discharge after it's useful output has been used. Allow 24 hours recharge time after installation or power failure for full-load testing.

Figure 1

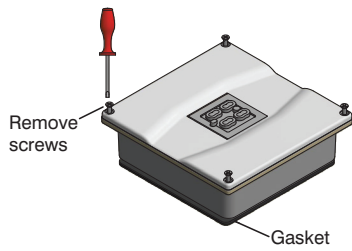


Figure 2

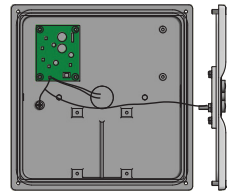


Figure 3

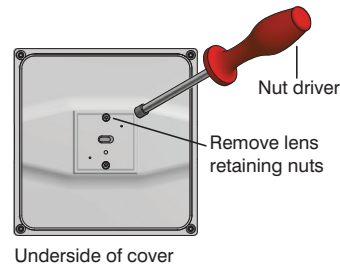


Figure 4

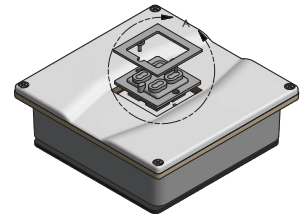


Figure 5

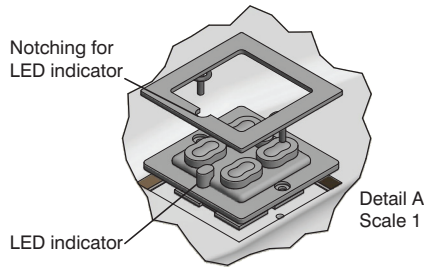


Figure 6

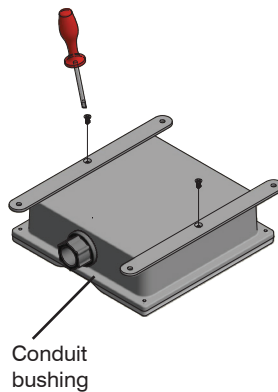
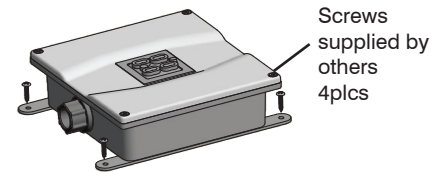


Figure 7



MAINTENANCE

1. Code requires that the equipment be tested every 30 days for 30 seconds, and that written records be maintained. Further, the equipment is to be tested once a year for the required duration as per Code. The battery is to be replaced or the equipment repaired whenever the equipment fails to operate as intended during the duration test. Written records of test results and any repairs made must be maintained. BeLuce Canada Inc. strongly recommends compliance with all Code requirements.
2. The lamps listed herein when used according to the instructions with this unit are in accordance with the requirements of CSA Standard C22.2, No. 141 – Unit Equipment for Emergency Lighting.
3. Clean lenses on a regular basis.

NOTE: The servicing of any parts should be performed by qualified service personnel only. The use of replacement parts not furnished by BeLuce Canada Inc., may cause equipment failure and will void the warranty.

NORMAL OPERATION

AC version: Functions as a regular lighting fixture; ON/OFF control is by AC line voltage switching.

EM version: Lights are OFF when AC supply is present; Lights turn ON when AC supply is cut-off.

ACEM version: Lights are ON or OFF when AC supply is present, control is by DC signal wall-switch; Lights turn ON when AC supply is disconnected, irrespective of wall-switch position.

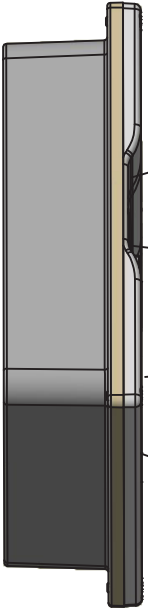
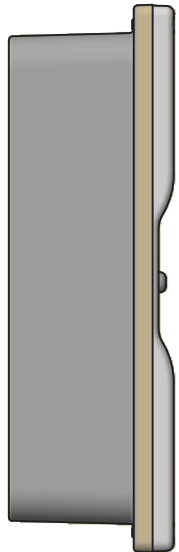
- Steady Green: Normal Operation
- Flashing Red/Green: High Charging
- Steady Red: Battery Disconnected

For EM and ACEM versions with Auto-test option: Additional Auto-test instructions are supplied.

UNIT RESET

1. Disconnect AC supply and battery from unit.
2. Wait 10 seconds.
3. Reconnect battery first, and then AC supply.

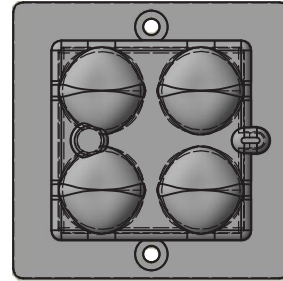
SAVE THESE INSTRUCTIONS



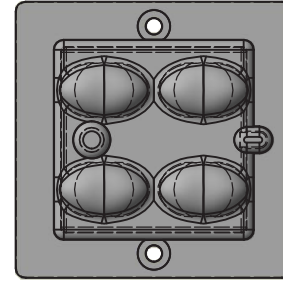
Max. mounting height is 14.5 ft to get an average illuminance above 1 fc, based on 3x3 ft room 80/50/20 reflectance.

rectangular light distribution

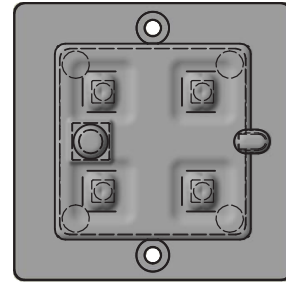
CEILING MOUNT



CEILING LENS SQUARE LIGHT DISTRIBUTION



CEILING LENS RECTANGULAR LIGHT DISTRIBUTION



WALL MOUNT LENS

LED INDICATOR FACING TO THE FLOOR

WALL MOUNT

