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## 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 use outdoors.
4. Do not let power cords touch hot surfaces and do not mount near gas or electric heaters.
5. 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.
6. Equipment should be mounted in locations and at heights where unauthorized personnel will not readily subject it to tampering.
7. The use of accessory equipment not recommended by Beluce Canada Inc., may cause an unsafe condition, and will void the unit's warranty.
8. Do not use this equipment for other than its intended purpose.
9. Servicing of this equipment should be performed by qualified service personnel.
10. **SAVE THESE INSTRUCTIONS!**

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### INSTALLATION

**NOTE: FIXTURE ORIENTATION IS IMPORTANT FOR LIGHT DISTRIBUTION - SEE PAGE 3**

1. Extend unswitched 24 hour AC supply of rated voltage 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. Cut 4 - 1/4" hole in the ceiling. (Figure 1)
3. Remove junction box cover and remove appropriate knockout for electrical service. (Figure 2)
4. Install box connector (not supplied).
5. Feed electrical wires through connector. Make connection within the junction box.
6. Plug battery connector into the circuit board (for EM and ACEM models). (Figure 2)
7. Neatly dress wires into place and install junction box cover. (Figure 3)
8. Remove trim and light source assembly from pot can. (Figure 4)
9. Insert junction box pot can assembly up through hole in the ceiling. (Figure 5)
10. Hold pot can flush against the ceiling. Push out clips and fasten fixture to the ceiling by tightening the two (2) screws located in the clips. (Figure 6)
11. Install trim and light source assembly into the pot can. Rotate as required for proper light distribution. (Figure 7)
12. Turn on AC line voltage supply.
13. Light distribution can be changed by using a different lens. See Page 3.

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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.

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### 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.**

Figure 1

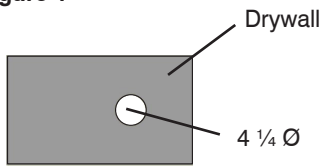


Figure 2

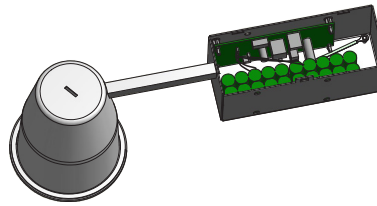


Figure 3

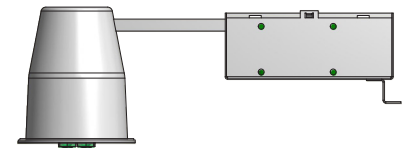


Figure 4

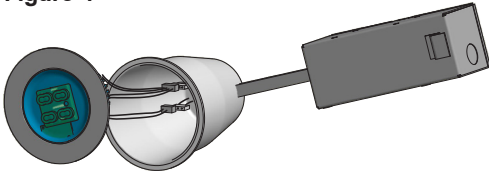


Figure 5

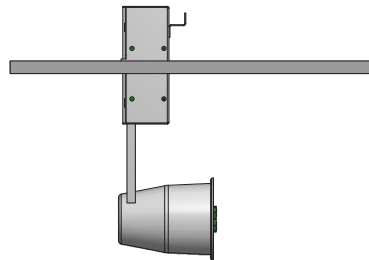


Figure 6

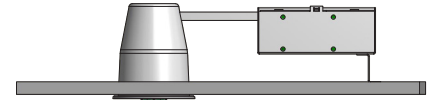
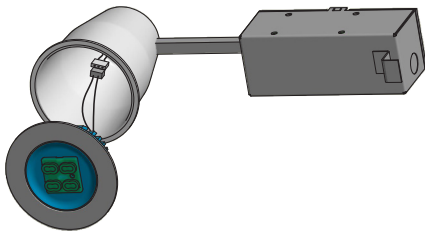


Figure 7



## MAINTENANCE

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.

1. 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.
2. Clean lenses on a regular basis.
3. NOTE: Entire fixture must be removed from ceiling in order to replace the battery.  
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.

## TROUBLE SHOOTING

### LED BOARDS DO NOT COME ON AT ALL IN EMERGENCY MODE

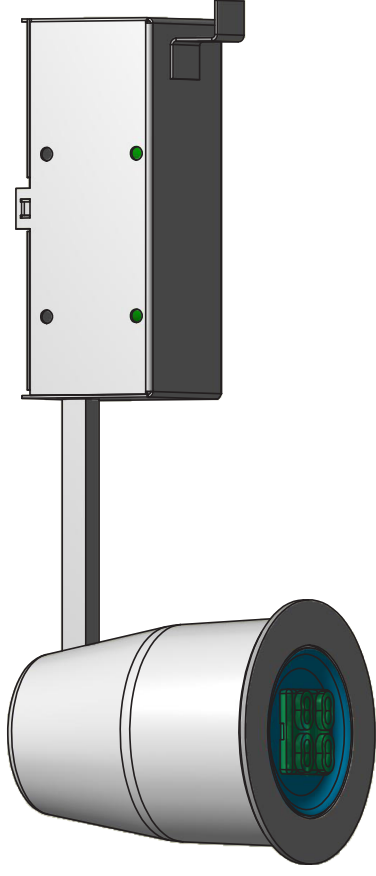
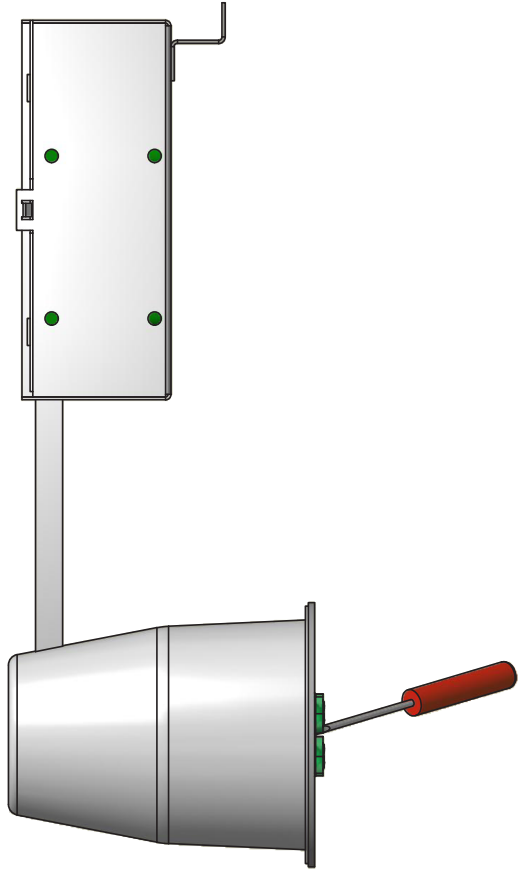
LED indicator is out before test...

1. Check AC supply - be sure unit has 24 hour AC supply (unswitched).
2. Reset system by disconnecting battery and turning off AC. Wait for 10 seconds, then reconnect the battery and resume AC.
3. AC supply is OK, and indicator light is out, replace PC Board Assembly.

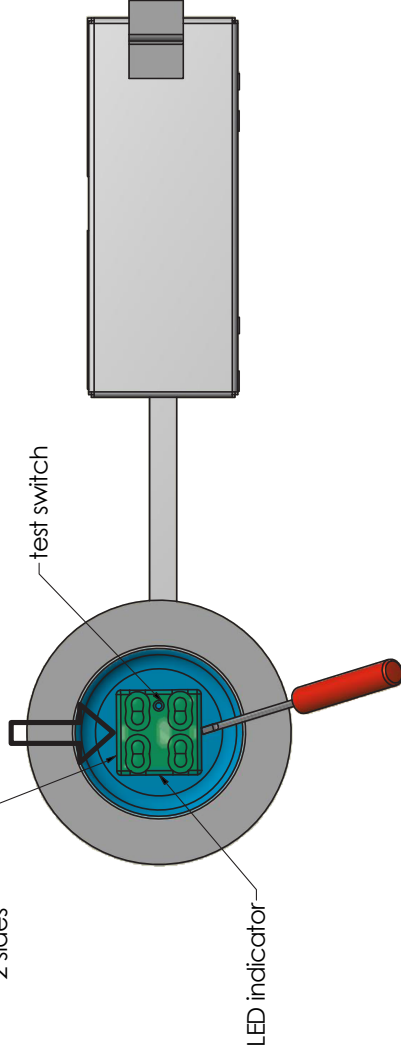
LED indicator is on before test

1. Either the output is shorted or overloaded, or the battery is not connected.
2. Battery is severely discharged. Allow 24 hours for recharge and then retest. NOTE: This could be the result of a switched AC supply to the unit (which has been turned off at some point), a battery with a shorted cell, an old battery or a battery which has been discharged due to a long power outage and is not yet fully recharged.

## SAVE THESE INSTRUCTIONS



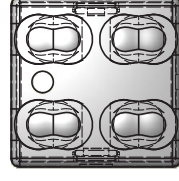
hook location -  
2 sides



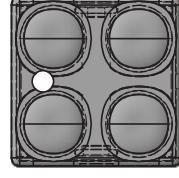
Max. mounting height is 14.5 ft  
to get an average illuminance  
above 1 fc, based on 3x3 ft room  
80/50/20 reflectance.

1. To replace the lens, the lens has to be released from the LED board.
2. The lens is secured with two hooks on the lens located on the vertical side of switch and LED indicator.
3. Push the lens to the direction as shown in the pic, then put a small thin tip flat screw driver between the lens and the cover gently to pop-up the lens.
4. Once one side hook released from the LED board, then push back the lens gently to release the other side hook from the LED board.
5. Put new lens on with the right orientation.

LONG DIRECTION  
LONG DIRECTION



CEILING LENS  
RECTANGULAR  
LIGHT DISTRIBUTION



CEILING LENS  
SQUARE  
LIGHT DISTRIBUTION