



**SOLTECH**  
smart solar lighting

## INSTALLATION INSTRUCTION MANUAL

LED CANOPY LIGHT,

Rev B JAN 2019

**SERIES:** STL-CLF150XYZZ; STL-CLF150HXYYZZ

Item	Model	Input Voltage	Power Factor	Watt	Input Current	Weight
A	STL-CLF150XYZZ	120-277VAC	≥0.9	150W	1.8A Max.	15.4 LBS
B	STL-CLF150HXYYZZ	277-480VAC		150W	0.88A Max.	15.4 LBS

### 1. Introduction

- An internal power-factor-corrected switch-mode supply allows it to be used from any nominal 100V-277V, 277-480V 60Hz AC supply without any variation in light output.
- Suitable for use in the following locations:
  - Ambient Temp: -20~+40°C
  - Wet Locations

**Note:** Save these instructions for future reference.

### 2. Installation

#### **Warning:**

To avoid the risk of fire, explosion, or electric shock, this product should be installed, inspected, and maintained by a qualified electrician only, in accordance with all applicable electrical codes.

#### **Warning:**

To avoid electric shock:

- Be certain electrical power is OFF before and during installation and maintenance.
- Luminaire must be connected to a wiring system with an equipment-grounding conductor.

#### **Warning:**

To avoid explosion:

- Make sure the supply voltage is the same as the rated luminaire voltage.
- Do not install where the marked operating temperatures exceed the ignition temperature of the hazardous atmosphere.
- Do not operate in ambient temperatures above those indicated on the luminaire nameplate.

For supply connections use wire rated for at least 100°C.

#### Installation Steps:

##### **1. Mount throughout the roof**

1. Use the existing hole on the roof or open a 4" hole. See fig. 1.
2. Put silicon sealant around the hole, let the thread on fixture through out the roof, and use the plate, gasket and 4 screws to secure the fixture. See fig. 2.
3. One side of the pipe thread on the fixture, the other side insert to the driver box and secured by flange nut. See fig. 3.
4. Connect the wiring to line wires, black-black, white-white and green-green.
5. Close the cover of the driver box.



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## 2. Recessed installation

1. Open a 21"-21.25" square hole on the roof. See fig. 5.
2. Secure the frame by L shape brackets and screws. See fig. 6.
3. Hang the fixture on the frame by security rope. See fig. 7.
4. Connect the wiring to line wires, black-black, white-white and green-green.
5. Secure the fixture to the frame by 4 screws.

## 3. Replacement for existing housing

1. Remove all of the electrical components from the fixture housing. See fig. 8.
  2. Hang the fixture on a firm part of the housing. Connect the wiring to line wires, black-black, white-white and green-green.
  3. Secure the fixture to the housing by screws.
- \* Use the other holes on the back of the fixture to replace for different traditional fixtures. See fig.9.

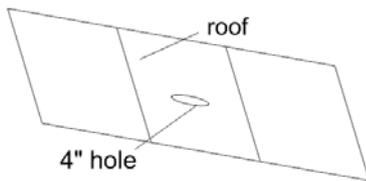


Fig. 1

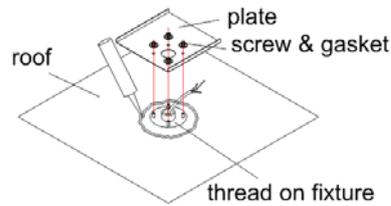


Fig. 2

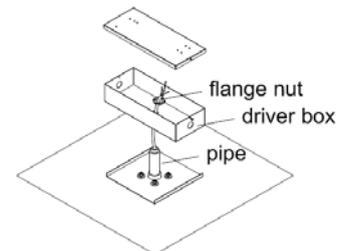


Fig. 3

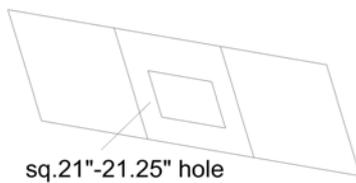


Fig. 5

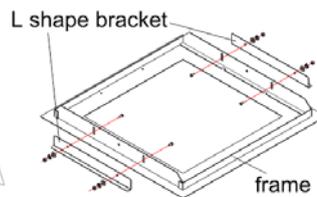


Fig. 5

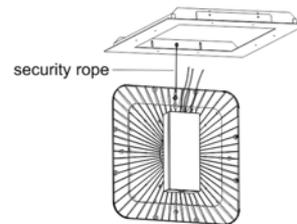


Fig. 6

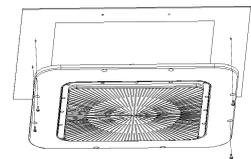


Fig. 7



Fig. 8

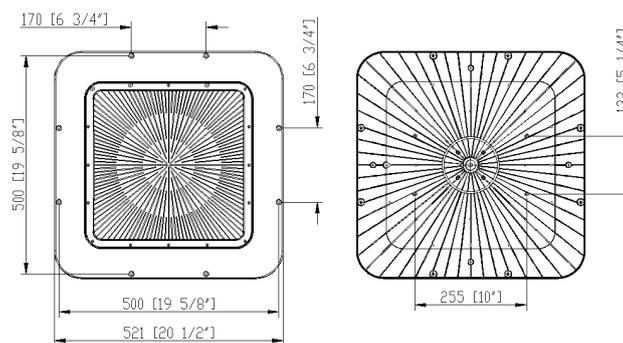


Fig. 9



After installation, please

- check whether the lighting fixture is firmly fixed.
- check whether wires are connected correctly.

At last, turn on the power, and check if the lighting fixture works well. If not, please turn off the power and contact with local dealer.

**Warning: the luminaire shall be installed by qualified electrician.**



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