LX SERIES

PHILIPS LUMILEDS

INTELLIGENT SOLAR LIGHTING

Installation Guide

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MADE IN CANADA
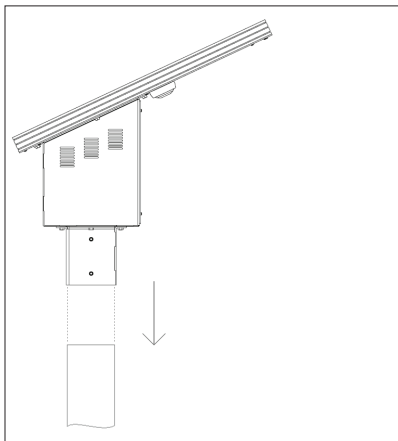MADE IN CANADA

INSTALLATION

Always install the lighting fixture on the pole before installing the battery.

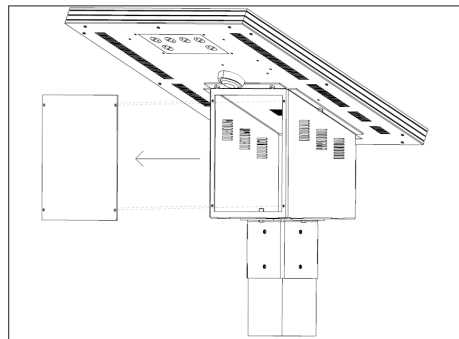## The lighting fixture should never be handled with battery installed inside.

1. Install the lighting fixture on a round or square pole with a maximum outer diameter of:

•   101mm (4") for the LX25 and LX50;

•   127mm (5") LX95;

2. Slide the lighting fixture on top of the pole;

3. Use the 1/4"-20 bolts to make adjustments if required;

4. Once the light is in place, open the battery box door and insert the battery. The battery is standing up for the LX95. The battery is lying on its side for the LX25 and LX50 as shown in the figures below;

5. Make the quick connection with the quick connect cable;

6. Close the battery box door;

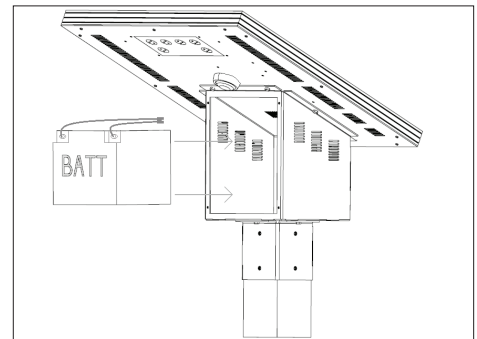7. The installation is now complete.

LEARNING DELAY

The light requires a 24-hour delay to operate properly according to it's program.

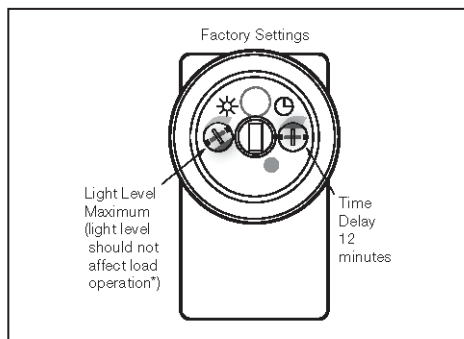**STEP 1, 2, 3**

STEP 4

BATT

STEP 5, 6 (LX25 & LX50)

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Factory Settings

Light Level Maximum (light level should not affect load operation*)

Time Delay 12 minutes

⚠ WARNING ⚠

DO NOT OVERTURN TRIMPOT WHEN ADJUSTING THE SENSOR.
DO NOT TOUCH THE SQUARE INFRARED DETECTOR
UNDER THE LENS ASSEMBLY.

12 min.
6 min.
18 min.
1.5 min.
28 min.
30 sec.
30 min.

PIR SENSOR TIME DELAY FEATURE ADJUSTMENT

The Time Delay (30 seconds to 30 minutes) adjustment trimpot is located under the lens assembly. The trimpot is accessed easily. Gently unscrew the lens assembly. Do not remove the thumbscrew collar; it holds the sensor in place on the fixture.

Set the time delay to the desired setting. The time delay can be set from 30 seconds (fully counterclockwise) to 30 minutes (fully clockwise). We recommand not to go over 5 minutes. The time delay starts when no more presence is detected.

DAY-NIGHT TRANSITION

The fixture uses the solar panel to detect day and night periods. The night transition requires a very low brightness level for 5 continuous minutes. This constraint prevents false night transitions that could be caused by storm clouds in the evening. If the solar module is covered with debris, the solar module voltage may be too low and may cause light synchronization errors. If the light works erratically, make sure the solar module is clean. The light automatically corrects synchronization errors whithin 24 hours.

DEEP DISCHARGE PROTECTION

This protection significantly increases battery lifespan. This protection also prevents permanent damage to the battery caused by very deep discharges during cold wheather. When the battery reaches a 50% state of charge, the battery is automatically disconnected from the system until it's state of charge reaches 85%.

IMPORTANT

If you wish to store the fixture, the battery needs to be recharged before storing for a period of 15 days or more in order to prevent damage to the battery. The fixture must be stored at 20°C room temperature.

The light must be installed horizontally and must not be tilted. The light shall be installed top of pole to prevent the pole itself shading the solar panel, a side pole installation can also prevent the snow from clearing properly.

The light must be installed in an open area, no trees or nearby structure, this could favor snow accumulation and shading.

Never manipulate the light when the battery is inside. Use the quick access door to remove the battery before handling.

Failing to follow these recommendations can result in loss of system performance.

SOLAR PANNEL ORIENTATION AND AUTONOMY

Orientation	Period	Autonomy losses
South (≈ optimal)	Annual	0%
	Summer	0%
	Winter	0%
East / West	Annual	-17%
	Summer	-9.8%
	Winter	-28%
North	Annual	-35.8%
	Summer	-21.6%
	Winter	-54.8%