

Handling Instructions for LED Light Fixtures

For Contractors (Safety Precaution)

⚠ Warning

- Light fixtures should only be installed by qualified electricians.
- Be sure to use proper mounting method and hardware rated for the weight of the light fixture.
- Improper installation may lead to personal injury and property damage from falling fixtures, fire, or electric shock.
- Make sure that all electric power cables are connected properly.
- Poor electric connection may cause fire from excessive heat generation.
- All electric equipment should be properly grounded according to local codes and standards.

⚠ Caution

- When installing multiple light in an area, be sure to maintain proper distance between each light fixture.
- Use proper safety equipment such as insulated gloves when installing/removing, connecting/disconnecting light fixtures.

For Users (Safety Precaution)

⚠ Warning

- Installing electrical light fixtures by unqualified person is prohibited by law.
- Light fixtures should only be installed by qualified electricians.
- Do not add or remove parts, or make any other alterations to the fixture, as this may cause fire and electric shock.
- Avoid installing fixtures in damp or wet locations, which may cause short circuit, electric shock, and fire.
- Do not put any metal or flammable objects through any gaps or openings in the fixture.
- If any abnormality such as smoke or burning smell is detected, turn off the electric power immediately and contact an electrician for repair.

Do not operate this or any other light fixture outside +/-5% range of the rated voltage.

This product is for indoor use only. Outdoor usage may cause electric shock or fire.

POLYGON LINEAR LED LIGHT Installation Guide

Please read this manual before installing and using this product.
 Product images in this manual may be different from actual product due to quality improvements.
 This product is a high-tech electronic lighting equipment which uses Light Emitting Diodes (LED) as light source.
 Its compact design is optimized through optical engineering, and produced to high quality standards with rigorous inspection procedures.

Specification

| Model Name | Wattage | Size (LxWxH) | Voltage & Freq. | CCT |
|----------------------|---------|----------------------|---------------------------|-------------|
| LSP4805SU44DV Series | 40W | 46.26x4.87x1.76 inch | AC100V~AC240V, 50/60Hz | 3500K/5000K |
| LSP9605SU55DV Series | 58W | 91.93x4.87x1.76 inch | | |
| LSP9605SU80DV Series | 80W | | | |

※ This product was developed for climate controlled areas, and any exposure to extreme weather conditions can result in condensation.

Included Parts Depending on Mounting Type

| A. Surface Mounting Type | B. Pendant Type |
|--|-----------------|
| Product main body – 1ea | |
| Installation/User Manual – 1 ea | |
| Mounting Bracket – 1 piece (attached to product), Screws – 4pcs(bracket screws: 2, fixture screws:2) Lock washer - 1 piece | – |

Caution

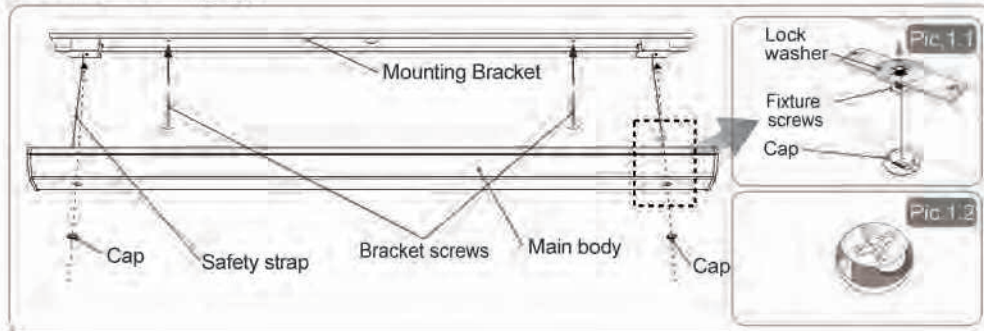
- When installing light fixtures, to avoid the trip of ground fault circuit interrupter, less than 30 of light fixtures are allowed to be installed for one circuit interrupter.
- Unstable installation and mounting may cause the fall of light fixture, fire, and electric shock.
- Connect the AC cable to the AC connector securely. Unstable connection may cause heat generation and fire by poor insulation.
- Turn off the power switch before starting installation of light fixture.

Installation Guide

1. Mounting the Light Fixture

The fixture can be mounted by two different methods (A or B) depending on the type of product purchased. Please confirm the type of product you purchased and follow the appropriate procedure among the two listed below.

A. Surface Mounting Type

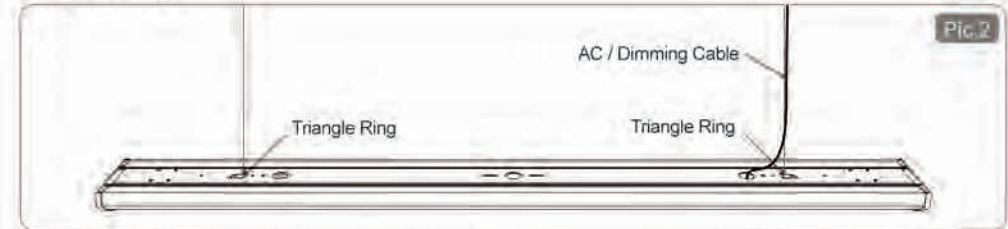


- Affix the Mounting Bracket to the ceiling/wall using the two screws as illustrated in Pic.1.
- Connect the Mounting Bracket and the Main Body of the light fixture using the fall protection security wire. Connect AC wires to the light fixture as shown in Pic.3.
- For the convenience of installation, lock the fixture screws with a lock washer through hole. Then fix lighting fixture to surface mounting bracket tightly as shown on the pic. 1-1.

Caution

- * While attaching the light fixture to the bracket, make sure no cables/wires are neatly enclosed inside.
- * Wires extruding through gaps will not allow proper installation, and may cause malfunction and safety hazard.
- * Turn on the power only after making sure the bracket and the light fixture are firmly attached.

B. Pendant Type



- Connect each of the two Triangle Ring on the light fixture to two cables (not included with the product) properly fixed to the ceiling as shown in Pic.2.

Caution

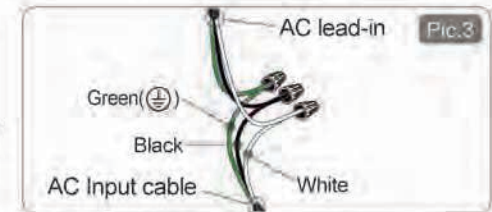
- * Pendant cables or rods (sold separately) must be of proper strength and securely fastened to the ceiling.
- * Improper hanging of the light fixture may lead to injury or fire.
- * Connect AC wires to the light fixture as shown in Pic.3.
- * Turn on the power only after making sure the light fixture is securely attached.

2. Connection

1) Connection to AC Input as shown in Pic.3

Peel off ~12mm sheath from ceiling/wall lead-in wire, and connect to AC input wire (white/black) of the product.

* Once connecting a number of luminaires in parallel, utilizing an internal wiring, we recommend to restrict the number of luminaires as follow. (40W→15 units, 60W→12 units, 80W→10 units)

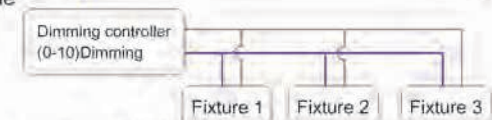


2) For dimming the light, connect the dimming signal cable as shown in Pic.4

- Connect the Signal Input Cable (Violet) to Dimming Signal Output Cable (Violet).
- Connect the Signal Input Ground Cable (Gray) to the Signal Output Ground Cable (Gray)



- For dimming more than two light fixture at the same time, signal cable should be connected in a parallel way as below to control dimmer.



Caution

- * Poor connection may cause damage to the product through short circuit, or cause injury and property damage from electric shock or fire.
- * Ground (green) wire must be attached to ground line-in to prevent electric shock hazard.