

Installation Instructions

SimpLED 2.0 Light Series

5W/ft. 12VDC

PATENTED 8,545,045

Required:	SimpLED 2.0 Light Body 12VDC Power Supply Class 2	P/N: L-LED-SMPHO (5W/ft)
Optional:	Motion Sensor Photo/Light Sensor Touch Dimmer Sensor	P/N: L-LED-SMPMOT P/N: L-LED-SMPPHOTO P/N: L-LED-SMPTD4 (4-Step)

See other Accessories below.

READ ALL INSTRUCTIONS BEFORE INSTALLING SYSTEM.

Before beginning installation, be sure power is turned OFF to light system.

Each SimpLED Light comes with (3) **Diffusers**: Clear, Frosted or Milk/Opal. Select one to determine the light's glare/reflection and intensity (see chart).

Diffuser Options	Eliminate Glare/Reflection	Intensity (Lumen Output)
Clear	No reduction	Best
Frosted	Good	Better
Milk/Opal	Best	Good

(3) **Inline Control Modules** are offered as an option to turn the light on/off: a Motion Sensor, a Photo/Light Sensor or a Touch Dimmer (4-step), all rated at 27W max. load (equal to 5' of SimpLED).

To begin installation, roughly lay out lighting system to help verify final positioning of all components and cord lengths.

1. Install **Class 2 12V DC Power Supply** concealed from view. Keep Power off to power supply until complete system is installed.
2. Determine exact position of Light Fixture(s) and, if desired, an optional **Control Module** (see #2). Use **H-Connectors** to link ALL components (see #3).
Note: Control Module must be placed prior to the SimpLED Light on the input side!
3. SimpLED can be installed two ways: (a) using **U Clips**; or (b) through **screw holes** provided at either end of Light Fixture. Drill 1.5mm (1/16") pilot holes for screws (provided) (see #4).
4. Use a **Starter Cord** to power first Light (see #5). See "Connecting Starter Cords" information below (†). If spacing is more than 2m (79"), an **Extension Cord** may be used.
Note: Maximum length of Starter Cords from Power Supply to light should not exceed 5m (16'). Longer cords could result in poor light quality.
5. Light Fixtures can be linked together using a **SimpLED Link Cord** (see Accessories), or can be linked directly, light-to-light without a cord. (see #6)
Note: Maximum continuous run is 3.0m (10') to prevent voltage drop. Maximum 3.7m (12') per 60W Power Supply.
6. Cords can either: (a) feed through a hole in mounting surface (shelf); or (b) run along surface. **Starter Cord** only requires 5mm (3/16") hole (before AMP® Connector is attached). **Link Cord** requires 22mm (7/8") hole (see #7a & #7b).
7. Continue mounting Light Fixtures as needed, connecting light-to-light or using Link Cords. *Note: Use insulated staples or plastic ties to secure all loose wires.*
8. **To install Diffuser:** start at one end and lightly push down Diffuser, working down length of fixture (like a Ziploc® bag).
To remove Diffuser: flip fixture over, lightly push through a screw hole (use thin screwdriver, etc.), then peel back Diffuser (like a Ziploc® bag), but DO NOT lift too high or Diffuser will crack!
9. Finally, turn power on to power supply.

(†) Connecting Starter Cords:

Starter Cords come with a male AMP® Connector unattached to help route wires through smaller holes if needed. To attach, push needle ends of Starter Cord wires into AMP® Connector until completely seated.
IMPORTANT! Make sure to match polarity (+) and (-) of the wires to the AMP® connector. See markings on wires and connector (see #8).

Required:

DC Power Supply 60W 12V Class 2 – powers up to 3.7m (12') of light fixtures; maximum single continuous run should not exceed 3.0m (10'). Contact Tresco for power supply options.

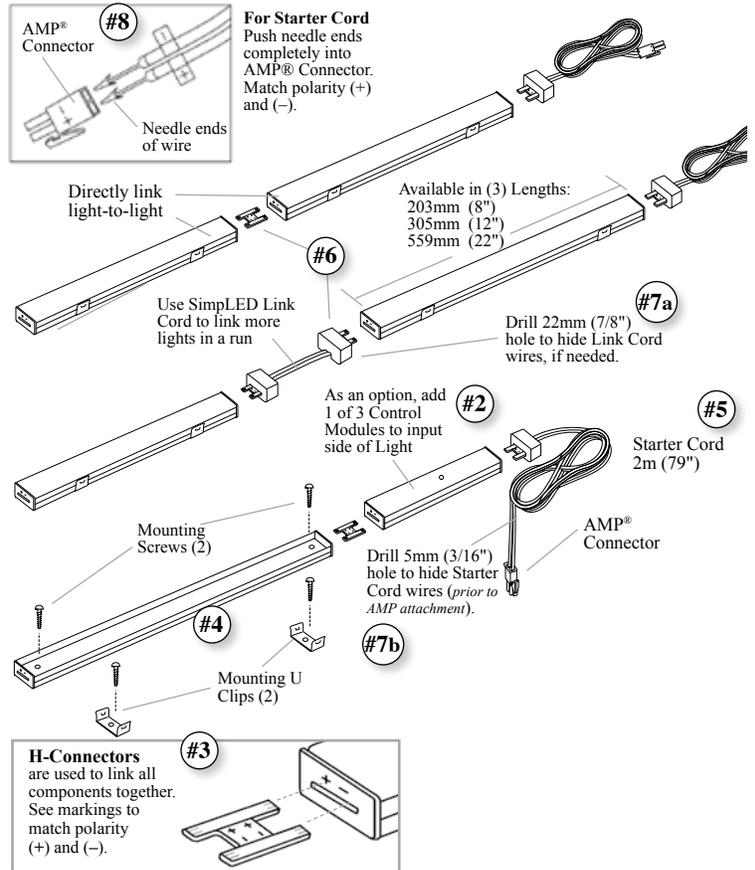
Starter Cord 2m (79"), **AMP® Connector**, **(1) H-Connector**, and **(2) Mounting U Clips** are included with each Light.

Accessories:

SimpLED Link Cord (P/N: L-LED-SMPLNK) – available in 5cm (2"), 15cm (6"), 25cm (10"), 60cm (24"), 120cm (48"), or 180cm (72") lengths.

TRESCO® offers other accessories including: **Switches, Dimmers, H-Connectors**, and **Extension Cords** (used to lengthen Starter Cords only).

Save these instructions for future reference.
For technical assistance: 1-800-227-1171



IMPORTANT SAFETY INSTRUCTIONS

CAUTION: To reduce the risk of fire, electric shock, or injury to persons:

- Use maximum 60W Class 2 12V DC Power Supply which powers up to 3.7m (12') of SimpLED 2.0 Lights; maximum single continuous run should not exceed 3.0m (10').
- LED are not replaceable.
- LED lights are bright. Do not look directly at lights.
- Not intended to be used in damp locations or outdoor areas.
- Not intended for recessed installation in ceilings or soffits.
- Do not conceal 120V Power Supply Cord or power supply inside a wall, ceiling, soffit, or similar permanent structure, unless consulting a licensed electrician.
- Use only insulated staples or plastic ties to secure ALL loose cords.
- Route and secure cords so that they will not be pinched or damaged when the cabinet is pushed to the wall.
- A licensed electrician should be consulted for wiring through ceilings, soffits, or walls. All wiring must follow NEC regulations.

This light is intended to be used as a cabinet light on wood, particle board or other structurally sound, heat resistant surface. Care should be taken during and after installation to avoid contact of light with wiring, cord, or any combustible material.



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I-5WSIMP2-1014



SimpLED In/814/grx