

# INSTALLATION INSTRUCTIONS

## PLC450 SERIES 4W 120V

### 120V Direct Wire Pucklite



Core Lighting's PLC450 series is offered in two versions: the Non-Linkable model for placement of one light per 120V starter cord; or the Linkable model which is capable of linking up to 15 lights wired in series. Both models can be either surface mounted or recessed mounted.

#### READ ALL INSTRUCTIONS BEFORE INSTALLING SYSTEM.

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

- 1 FIRST, roughly lay out lighting system before installation to help verify final positioning of all components. Optimum Light spacing is 46cm (18") apart.

*Next, select either surface mount or recess mount options.*

#### Steps to Surface Mount:

*Note: First determine whether PLC450 wires will ...*

- (a) pass through a 14mm (9/16") hole in mounting surface (shelf, etc.) or
- (b) pass through notch in Mounting Ring and run along surface. Select best method.

1. Determine final location of light(s). Mark exact position of light fixture on surface using Mounting Ring as a template. Mark for (2) screw holes (see fig. #1).  
*Note: If you decide to route wires through hole in surface, mark placement of 14mm (9/16") hole inside the perimeter of Mounting Ring, so wires will be hidden when Ring is mounted.*
2. Drill 1.5mm (1/16") pilot holes for the mounting screws (provided). If needed, drill 14mm (9/16") in mounting surface for wire hole (see #2a). Be sure to remove rough areas at edge and inside hole.
3. Pass the light fixture wires through Mounting Ring. Then properly route wire either through hole in mounting surface or Mounting Ring notch (see #2b). Attach Mounting Ring to surface with (2) screws.
4. Push PLC450 Light Body into Mounting Ring allowing metal spring tabs on Light Body to hold in position (see #3). See **Final Steps** below.

#### Steps to Recess Mount:

1. Determine final location of light(s).
2. Drill 60mm (2-3/8") hole to recess mount PLC450 Light Body. Be sure to remove rough areas at edge and inside hole (see #4).
3. Feed wires through hole and push PLC450 into place, allowing metal spring tabs on Light Body to hold in position (see #5). See **Final Steps**.

#### Final Steps:

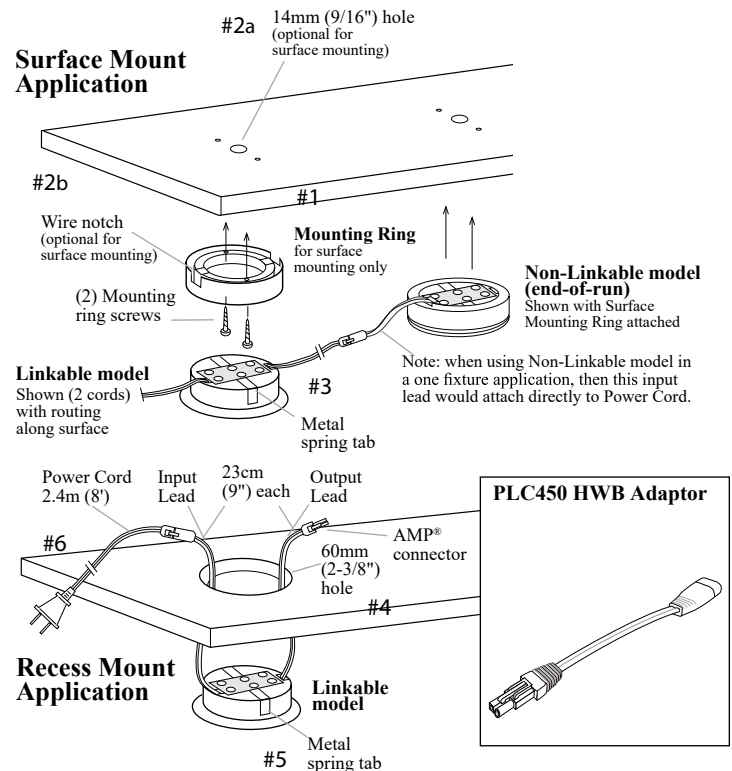
- 1 Complete wiring installation by linking light fixture's 9" input lead to the Power Cord and/or to other lights in a series. Finally plug the Power Cord into 120V power source (see #6).

#### Hardwire Option: Must be used when dimming

*\* Note: Lights are dimmable to 50%. Must use a LED Wall Dimmer*

*Note: A licensed electrician should be consulted for all hardwiring.*

- 1 Instead of using a Power Cord and 120V receptacle, light system can also be hardwired. This requires a **Hardwire Box** and a **PLC450 HWB Adaptor**. Route wire from Hardwire Box to 120V source per NEC and Local Codes, then plug PLC450 HWB Adaptor into Hardwire Box and other end with AMP Connector into the 9" input lead of light.



#### IMPORTANT SAFETY INSTRUCTIONS

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

- 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 Cord 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.
- Warning! It is against NEC code to use a dimmer to control a 120V receptacle.
- This portable lamp has a polarized plug on the Power Cord (one blade is wider than the other) as a feature to reduce the risk of electric shock. This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Never use with an extension cord unless plug can be fully inserted. Do not alter the plug.

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.

**Accessories:** 120V Link Wire is used when light fixtures are installed farther apart than the standard cord lengths will allow.

Available in 30cm (12"), 60cm (24") or 180cm (72") lengths.

Save these instructions for reference.

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