

# Installation Instructions

## LED Commercial Downlight

Installation guide valid for the following models:

**LCDL-4yy-10V-8xx,**

**LCDL-6yy-10V-8xx**

**LCDL-8yy-10V-8xx,**

**LCDL-10yy-10V-8xx**



**\*yy is representing wattage**

**xx is representing CCT, 35=3500K, and 40=4000K**

### **WARNING**

#### **RISK OF FIRE OR ELECTRIC SHOCK**

The LCDL LED Commercial Downlight must be installed by a qualified electrician in accordance with applicable federal, state, and local laws and codes. Installation requires knowledge of luminaire electrical systems and installer should be familiar with the operation of this product. If not qualified, do not attempt installation; contact a qualified electrician. Manufacturer assumes no responsibility for the improper installation of this luminaire.

To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects. When installing this kit, drilling may damage luminaire wiring and electrical parts. Check for wiring and components in enclosure before drilling. Electrical connection should be in a dry area unless adequately sealed. If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

### **CAUTION**

#### **RISK OF PERSONAL INJURY**

- Wear gloves or proper handling protection to prevent cuts or abrasions when handling and maintaining this product. This equipment may have sharp edges. To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warning and instructions included with and on the fixture box and all fixture labels.

### **WARNING**

- Before starting use of the light, please check if the light was damaged during transportation. If any damage shown, please do not install or use it and contact manufacturer.

- Products and components should not be mechanically stressed.

Damaged by corrosion will not be honored as a materials defect claim. It is the user's responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements.

- Specifications and dimensions subject to change without notice.

### **WARNING**

#### **RISK OF PERSONAL INJURY, FIRE OR ELECTRIC SHOCK**

Turn OFF power before installation.

Contact manufacturer with any questions or concerns regarding installation of this luminaire.

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# LCDL Series LED Commercial Downlight

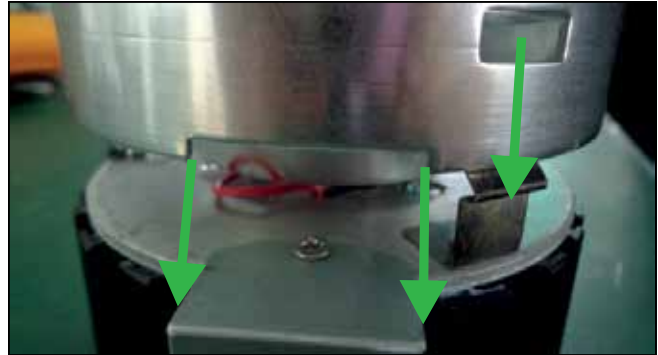
## LCDL Contents:

- A. (1) LED Engine
- B. (1) Reflector
- C. (1) LED Driver
- D. (4) Clips
- E. (1) Label



## Reflector installation instructions

1. Gap of LED Engine snap to the boundary of the metal plate. Reflector envelop three spring sheet.
2. Press the Reflector down to three spring sheet pop-up.



## Retrofit installation instructions

Note: LCDL is voltage specific. Please verify proper voltage before installation.

1. Remove existing lamp(s) and reflector(s).
2. Access to the existing junction box.



3. Locate containing supply wires and cut all supply wires that leading to ballast and output lead of ballast.
4. Twist out conduit knock-out.



## New and retrofit installation instructions

Note: LCDL is voltage specific. Please verify proper voltage before installation.

1. Open ceiling cut-out according to the reflector size below.
  - 4": 4" min. to 4.7" max.** mounting frame diameters.
  - 6": 6" min. to 6.7" max.** mounting frame diameters.
  - 8": 7.7" min. to 8.4" max.** mounting frame diameters.
  - 10": 10" min. to 10.7" max.** mounting frame diameters.
2. Place LED Driver thru ceiling cut-out and secure it by screws.
3. Install the supply conduit of LED Driver into the junction box. Connect wires and close the junction box cover.



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4. Connect the safety hook from LED Engine to the mounting bracket.

5. Connect the quick disconnecter on the end of the flex conduit of LED Driver to LED Engine. Secure it by the conduit plug.

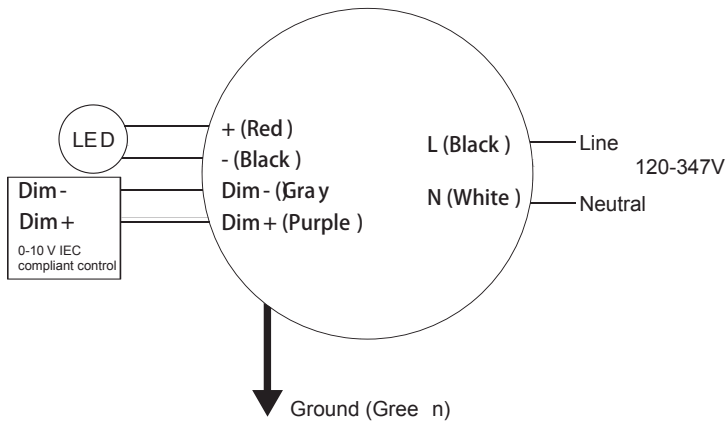


6. Install the LCDL to ceiling and adjust into position.

7. After modification completed, attach the Lamping Replacement Marking Label and Cautionary Label which provided with LCDL package to the light fixture. The labels shall be visible during relamping, and after installation.



### Wiring Diagram:



### 0-10V Dimmable Wiring

1. Connect the black fixture lead to the (+) LINE supply lead.
2. Connect the white fixture lead to the (-) COMMON/NEUTRAL supply lead.
3. Connect the GROUND wire from fixture to supply ground. Do NOT connect the GROUND of the dimming fixture to the output.
4. Connect the purple fixture lead to the (D+) DIM lead.
5. Connect the gray fixture lead to the (D-) DIM lead.

### ON-OFF Wiring

1. Connect the black fixture lead to the LINE supply lead.
2. Connect the white fixture lead to the COMMON/NEUTRAL supply lead.
3. Connect the GROUND wire from fixture to supply ground.