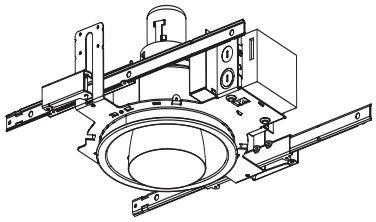
SAVE THESE INSTRUCTIONS

INSTALLATION INSTRUCTIONS
Candéo® LED
(PDLFV) Housing

Upon receipt, thoroughly inspect for any freight damage which should be brought to the attention of the delivery carrier. Compare the catalog description listed on the packing slip with the label on the carton to ensure you have received the correct merchandise.



c UL LISTED gotham UL

IMPORTANT SAFETY INFORMATION
For Your Protection, Read Carefully

WARNING: Risk of fire. Do not install insulation within 3 inches of fixture sides or wiring compartment, nor above the fixture in such a manner as to entrap heat.

1. **Electric current can cause painful shock or serious injury unless handled properly. For your safety, always remember the following:**
   - Turn off the power supply.
   - Ground the fixture to avoid potential electrical shocks.
   - Do not handle an energized fixture or energize any fixture with wet hands, when standing on a wet or damp surface, or in water.
2. **Specific safety information concerning lamps:**
   - Match wattage of fixture and lamp exactly.
   - Do not remove or insert lamp when power is on.
   - Do not scratch glass or subject lamp to undue pressure as either may cause lamp breakage.
   - Protect operating lamp from sources of moisture.

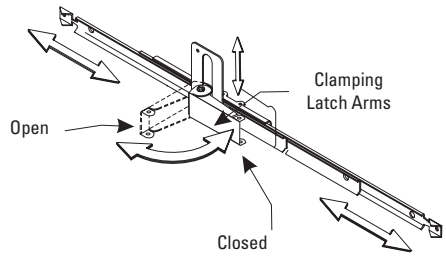


Figure 1

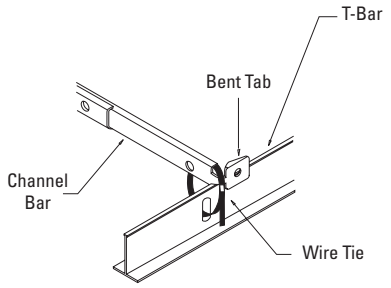


Figure 2

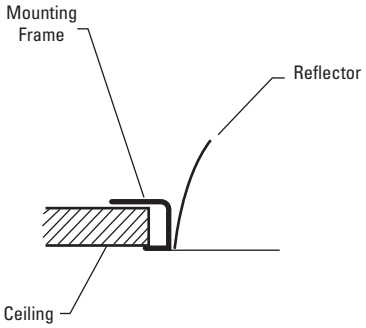


Figure 3

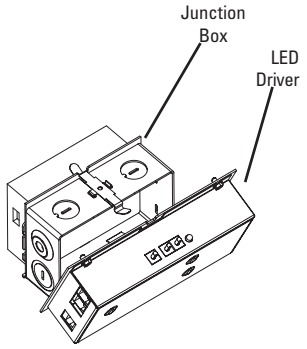


Figure 4

NEW INSTALLATION FOR PDLFV
Lay-in panel T-bar ceiling:

1. Cut an opening in the ceiling. This opening must be slightly larger than the outside diameter of the mounting frame.
2. Position mounting frame through opening in ceiling. Release clamping latch arms and adjust channel bars to the correct spacing between T-bar as shown in Figure 1. Secure channel bars to T-bar by means of wire ties, screws, or by bending ends onto T-bar as shown in Figure 2.
3. Once mounting frame has been secured in structure, adjust the mounting frame vertically to align the bottom edge to either flush or slighty above (1/8" max) the ceiling line as shown in Figure 3. Secure mounting frame into position by closing the clamping latch arms.
4. If additional security is required, a No.8 sheet metal screw, wire tie or wire (not supplied) may be used to tie the latch arm to the mounting frame as shown in Figure 1.
5. Remove knockouts on junction box to feed power supply to fixture as shown in Figure 4. Supply wire must meet applicable electrical codes and be rated for a minimum of 75° C. Junction box is thru-wire rated for (8) No.12 AWG conductors (4 in - 4 out).
6. Drop socket cup and telephone cord through mounting frame aperture.
7. Complete necessary splices. Snap the LED driver assembly onto the junction box as shown in Figure 4.

IMPORTANT: See Figure 6 for LED Driver and compact fluorescent ballast wiring schematics.

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Part No. CJ520744

Candéo® LED (PDLFV) Installation Instructions

NEW INSTALLATION FOR PDLFV

Non-accessible ceiling:

(plaster, drywall, etc.)

1. Release clamping latch arms and adjust channel bars to the correct spacing between joists as shown in Figure 1.

2. **Mounting Channel Bars**

   Flexible Wiring Method

   Bend ends of channel bars 90° and mount to joists with vertical adjustment at its lowest point on the mounting frame. Make sure bottom of the flange is flush with the bottom of the joists. Secure mounting frame into position by closing the clamping latch arm. Channel bars will accommodate up to 24" O.C. joists.

   Non-Flexible Wiring Method

   If non-flexible wiring methods are used follow procedure for flexible wiring methods. Then lower mounting frame equal to the thickness of the finished ceiling or slighty above as shown in Figure 3.

3. Remove knockouts on junction box to feed power supply to fixture as shown in Figure 4. Supply wire must meet applicable electrical codes and be rated for a minimum of 75°C. Junction box is thru-wire rated for 8-No. 12 AWG conductors (4 in - 4 out).

4. Drop socket cup through mounting frame aperture.

5. Complete necessary splices. Snap the LED driver assembly onto the junction

Installation for PDLFV Ethernet cable:

1. **ETHERNET CABLE INSTRUCTIONS SINGLE UNIT, NON-NETWORKING INSTRUCTIONS**

   If you are installing one unit and do not intend to use an external driver control, you will not need the Ethernet cable provided with the housing. The LED driver can be manually programmed by setting the dials located on the top of the driver housing. It is recommended that the driver is set prior to installing the housing (see operations manual). If you are installing multiple units and the LED drivers are individually controlled by an external control, the Ethernet cable will run out of the control and in to the "Network DMX512 IN" port for each unit (see Figure 5). If you should require longer lengths of cable, it can be purchased at most electronics stores. (Ethernet cable type: CAT5, RJ45 - 11 FEET IN CLUDED).

2. **ETHERNET CABLE INSTRUCTIONS NETWORKING INSTRUCTIONS (Multiple Units Connected/ Controlled Together)**

   The Etherenet cable provided with the housing can be used to network multiple LED drivers togther (11 Feet included). If you should require longer lengths of cable, it can be purchased at most electronic stores (Ethernet cable type: CAT5, RJ45). The first driver in the network will act as the master. If you are using an external LED driver control, the Ethernet cable from the the control will be plugged into the "Network DMX512 In" port on the master unit only. (See figure 5). If you are not using an external LED driver control, the master driver can be manually programmmed by setting the dials located on the top of the driver. It is recommended that the driver is set prior to installing the housing. (See Operations Manual). The Ethernet cable on the master driver should be plugged in the "Netowrks DMX 512 Out" port (see figure 5). The next driver in the the network will behave as a satellite. Plug the cord from the master into the "Network DMX 512 In" port of the satellite. Continue this process until you have reached the last driver in the network. (MAX 128 drivers per network).

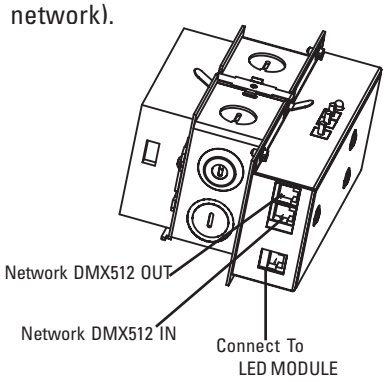

Figure 5

TROUBLE SHOOTING CHART

Check for any visible damage to the lamp or frame-in module. If they seem in good condition, locate the problem in the following list of possible causes and corrective actions. For LED trouble shooting, contact Gotham Technical Support.

Symptom	Possible Cause	Corrective Action
LAMP FAILS TO LIGHT	·Circuit feeding the fixture not energized	·Check circuit breaker or fuse to ensure that circuit is energized.
	·Wiring error in circuit or module connection	·Examine fixture splice box to ensure that connections are correct.
	·Faulty lamp	·Remove the faulty lamp and substitute another lamp, preferably one that is known to light. If the lamp lights, replace the original with a new one.
	·Line or ballast output	·Check line voltage at fixture. Check open circuit voltage.
	·Ballast burned out	·Check circuit continuity.
	·Ambient temperature too low	·Check ballast rating against existing environmental conditions.
LAMP GOES OUT AFTER LIGHTING	·Faulty lamp	·Occasionally a lamp will exhibit this symptom rather than simply failing to light. Substitute a new lamp.
LAMP CYCLES ON AND OFF	·Insulation is too close to fixture	·Remove insulation from around module (at least 3")
	·Lamp wattage too high	·Install lamp wattage specified in housing.
	·Ballast output voltage low	·Check line voltage at the fixture. Check open circuit voltage.

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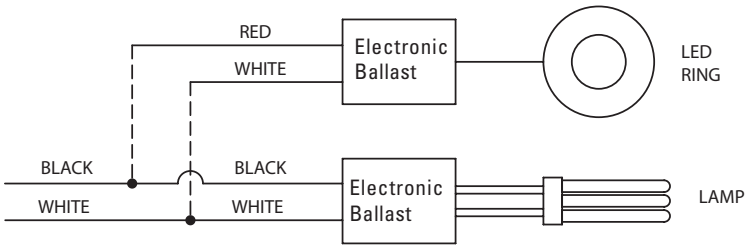
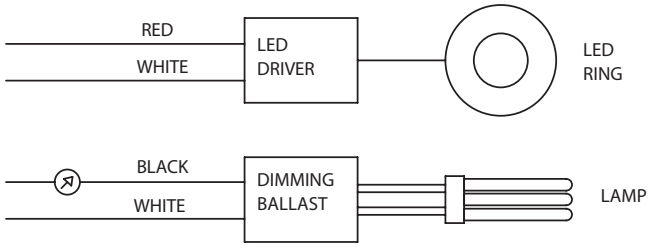
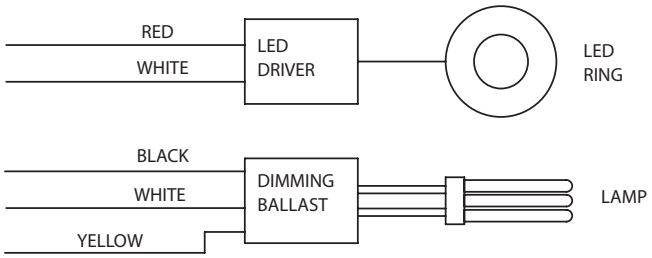
Figure 6



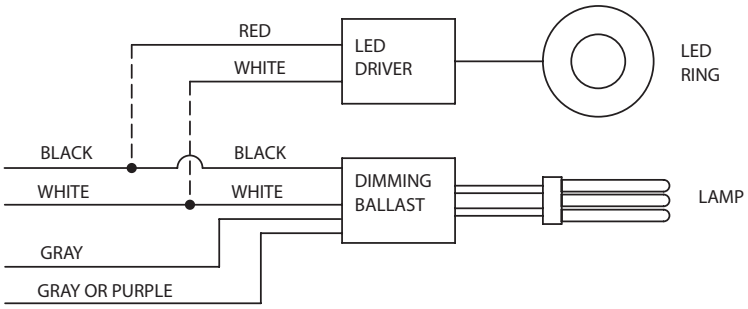
Standard Eectronic Ballast



Advanced Mark 10® and Lutron 2-Wire™



Lutron Compact SE and Hi-Lume®



0-10v Dimming Ballast and DALI Protocal

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