



# CL4 SERIES

Refrigeration Canopy Luminaire

## Installation Instructions

**WARNING:** Always install fixtures according to National Electrical Code (NEC) and local codes. Failure to do so will void the warranty and could cause damage to the fixture or may result in personal injury.

- **IMPORTANT:** Turn electricity off at the circuit breaker before installing fixture.
- Remove the fixture and driver assemblies from the packing box, making sure to inspect the content of the shipment for missing or damaged parts. You have 10 days from receipt of the order to file freight claims for damages or missing items.

### PACKING LIST

- CL4 Fixture Assembly
- Fiber Mounting Bolt (Factory Installed) – with fiber bolt option
- Bass Nut for Fiber Bolt – with fiber bolt option
- Mounting Screws
- Load Plate – with fiber bolt option
- J-box – with fiber bolt option
- Driver Assembly (Enclosure and Driver(s))

### FIXTURE INSTALLATION

#### FIXTURE WITH FIBER BOLT OPTION

- Locate the center point of the fixture on the interior surface of the cooler panel.
- Drill the hole through the cooler panel using the appropriate type of bit for the material being drilled. Use a 7/8" diameter bit.
- Installing the fiber bolt - Place the end of the power whip into the end of fiber bolt pushing the whip through the bolt. Then place the bolt into the back of the fixture and hand tighten, then use a pair of channel locks to snug the bolt up, take caution not to over tighten the bolt or rough up the bolt threads
- Feed the whip through the drilled hole in the cooler panel and then feed the fiber bolt into the panel.
- Mount the fixture to the panel with the mounting screws. Prior to mounting the fixture inspect the gasket to make sure it is in the proper location. Make sure you square the fixture up before installing the four mount screws, do not over tighten the screws and strip them out of the panel, these are only to be snug up the unit until the fiber bolt installation is completed.
- From the top of the cooler place the load plate over the fiber bolt with the gasket down.
- Place the junction box over the fiber bolt with the box facing up
- Install the brass nut on the fiber bolt and snug it into position. Do not over tighten the brass nut as this could damage the fiber bolt. At this time you should return to the fixture to insure the gasket is in place and sealed against the cooler panel.
- After completing the assembly, you are to go back and inspect all of the access plugs into the junction area and the junction cover of the fixture to insure all access point are water tight and secure, moisture is not to be allowed into the junction housing.

#### FIXTURE WITHOUT FIBER BOLT OPTION

- Remove the plug from the knock-out on the side of the fixture to which the conduit will enter.
- Re-install the plug into the knock-out on the top side of the fixture and tighten firmly. To insure the seal is correct and water tight Teflon tape should be used.

**Note:** Fixture must be installed by a licensed electrician. These instructions do not cover all details or variations in equipment, nor do they provide for every uncertainty related to installation, operation, maintenance, or mounting contingency. Should specific problems occur that are not covered sufficiently for the purchaser's purpose, contact Techlight for additional product or application information. Improper installation and/or utilization may void manufacturer's warranty.



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- Mount the fixture to the panel with the mounting screws. During this process be sure to inspect the gasket to make sure it is in the proper location. Make sure you square the fixture up before installing the four mount screws, do not over tighten the screws and strip them out of the panel.
- Conduit may be run to each individual fixture, but the fixtures are not designed for pass-thru wiring from one fixture to the next.
- Water tight bonding between the conduit and connections is not automatic and must be provided as part of the installation. This should be achieved by appropriate application of gasket material, RTV silicone (or equivalent) or by the use of a water-tight strain relief device. Techlight will not accept responsibility for any fixture damage due to improper installation.
- After completing the assembly, you are to go back and inspect all of the access plugs into the junction area and the junction cover of the fixture to insure all access point are water tight and secure, moisture is not to be allowed into the junction housing.

#### DRIVER ENCLOSURE INSTALLATION

- Prior to running your power to the fixture and supply to the driver consult your local building codes.
- Locate the driver or drivers in a convenient location, if multiple units are being installed you may wish to group the drivers together in one location. The driver is installed in the enclosure from the factory. The enclosure can be mounted directly to the cooler structure or on unistrut. For remote installation of the driver additional driver to fixture cabling can be purchased from Techlight. Note that the cabling is color coordinated and labeled to ensure the power supply lead polarity to the fixture is not crossed, this will damage the LEDs and possibly the driver voiding your warranty.
- Ensure that the proper supply is attached the driver.
- Ensure the driver is connected to the fixture whip, pay attention to the color code and labeling and do not cross the leads.
- If an optional battery backup system is being installed this unit will be installed at the main power supply to the driver. Follow the installation instruction provided with the battery backup unit.

**Techlight can not anticipate every field application; it is up to the installer to ensure the fixtures are installed properly and in accordance with the intent in these installation instructions. If special field conditions exist it is the responsibility of the installer to contact Techlight to insure that the integrity of the system is not compromised thus voiding the warranty.**

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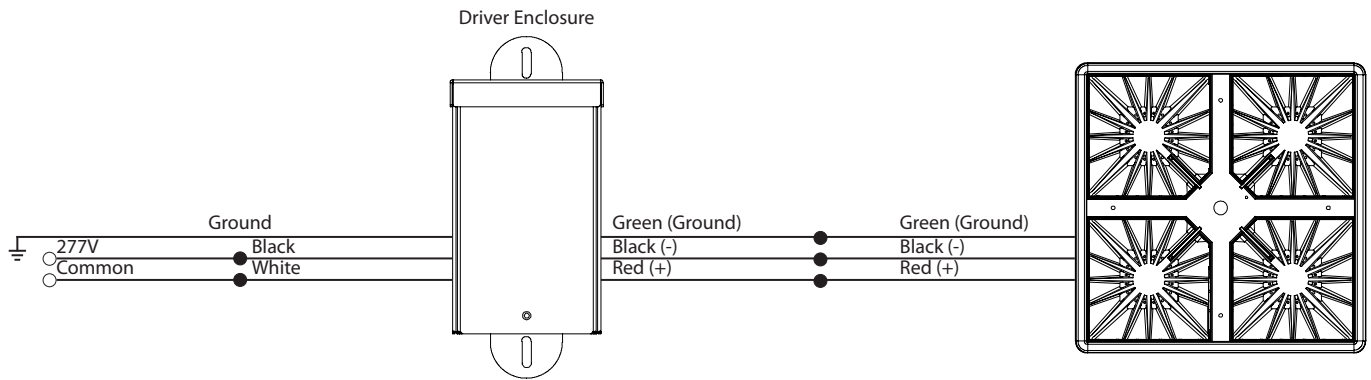
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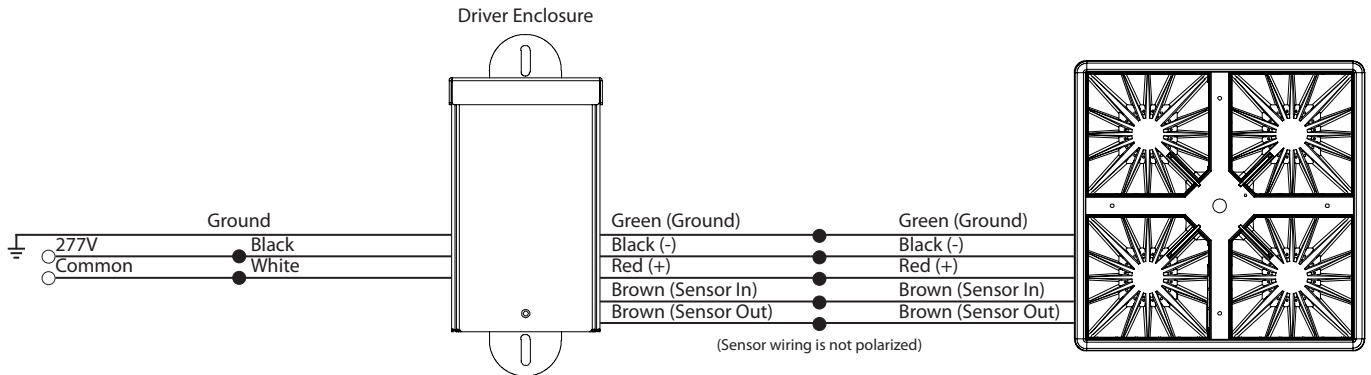
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### CL4 Wiring Diagram



### CL4 Wiring Diagram with Occupancy Sensor



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