

! CAUTION

- All wiring should be done by a licensed electrician in accordance with state codes, local codes, and National Electrical Code (NEC) or International Electric Commission (IEC) standards.
- Improper installation may result in serious injury and void warranty.
- Contains parts and assemblies susceptible to damage by electrostatic discharge (ESD).
- Surge protective devices should be utilized for fixtures installed in environments subject to power surges outside the specified operating parameters.

Mounting

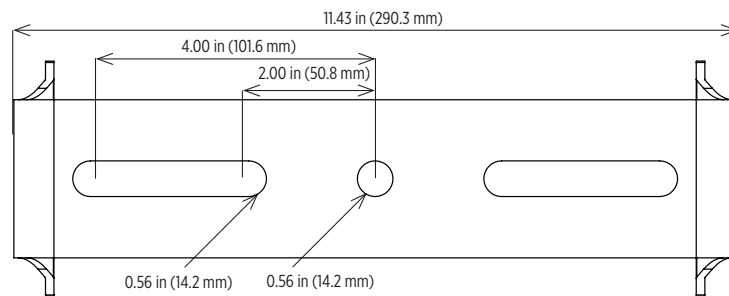
Fasten LED Modules with 3 x 1/2 inch (M12) bolts (not provided) through center hole and slots in harp assembly to a recommended torque of 45 lb-ft. Use mounting dimensions shown in Figure 1. Attach near corner supports or use adequate subbase for the weight of the fixture.

Figure 1: Dimensions for Standard Mounting Brackets

CF-125-V2

Module weight: 14.4 lbs (6.53 kg)

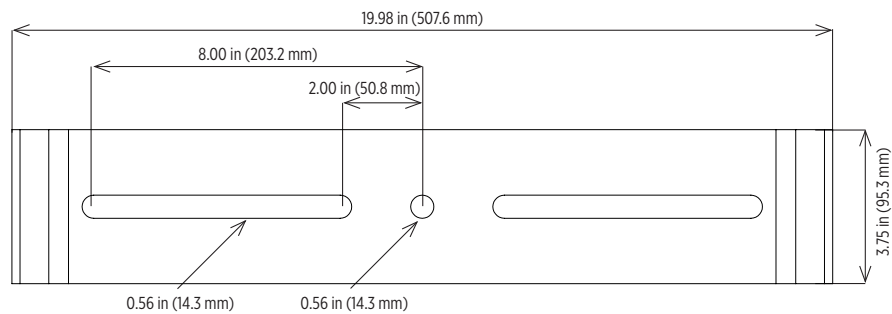
EPA (windload): 1.2 ft²



CF-250

Module weight: 26.4 lbs (11.97 kg)

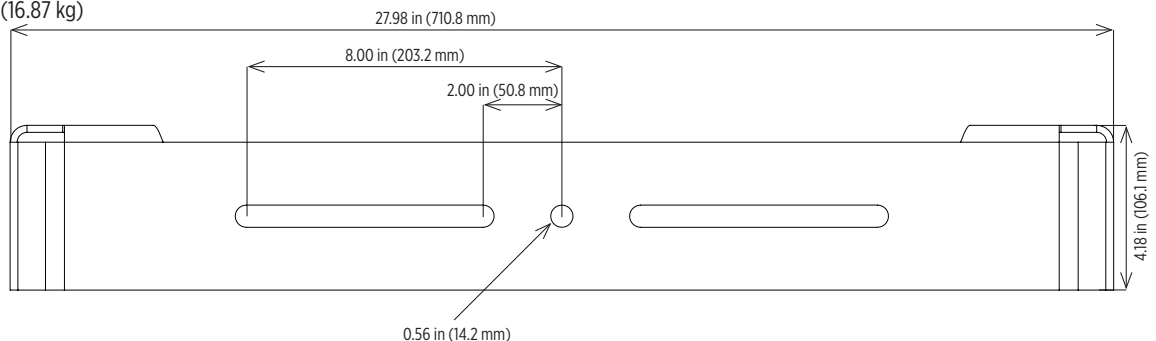
EPA (windload): 2.8 ft²



CF-375

Module weight: 37.2 lbs (16.87 kg)

EPA (windload): 3.23 ft²



The following table displays the maximum/minimum number of LED modules per LED Driver Kit

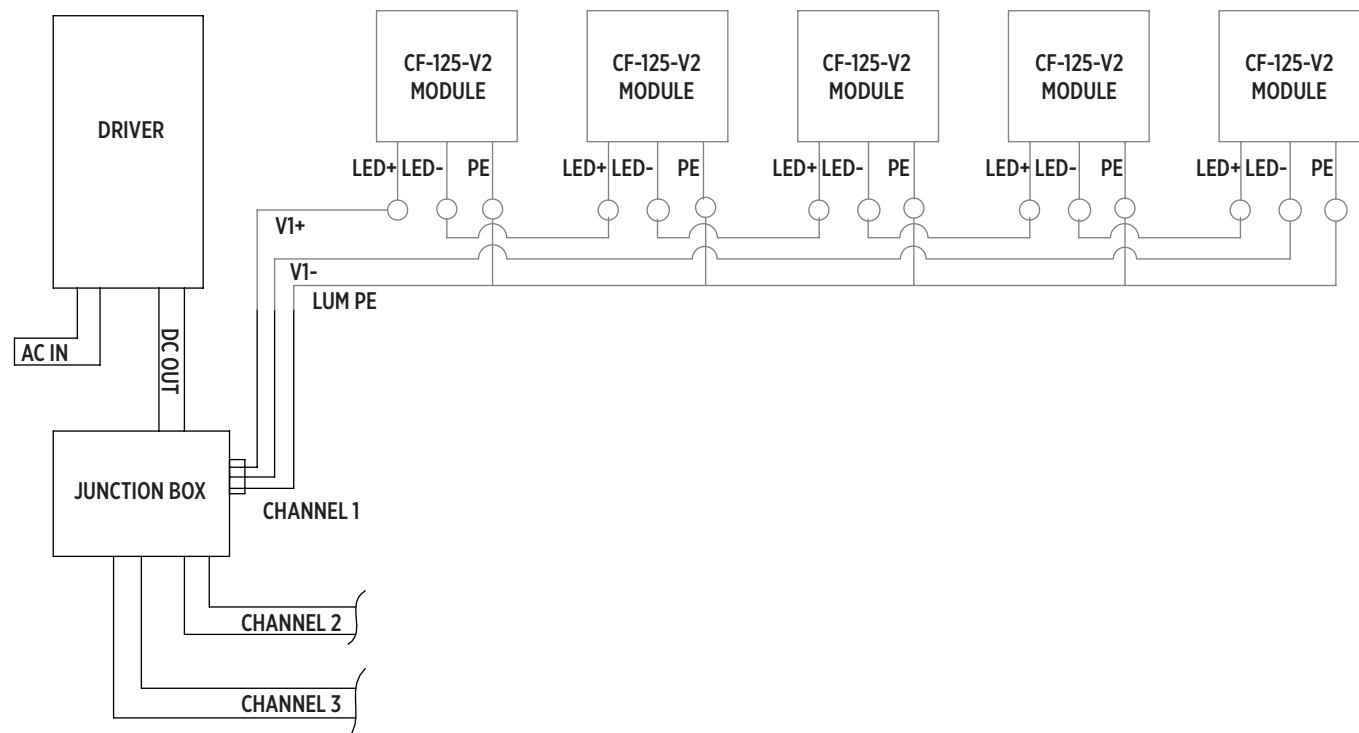
Driver Description ¹	Input Voltage	CF-125-V2	CF-250	CF-375
KIT,CF,RDRV-600W	200-480VAC	5 total (5 max/3 min per channel)	2 total (2 max/2 min per channel)	1 total (1 max/1 min per channel)
KIT,CF,RDRV-1800W	200-480VAC	15 total (5 max/3 min per channel)	6 total (2 max/2 min per channel)	3 total (1 max/1 min per channel)

Notes

- 1 KIT,CF,RDRV-1800W has three independent programmable channels. Each driver channel supports up to 600W maximum. To stay within electrical limits, Phoenix recommends using the same module type per channel.

Wiring

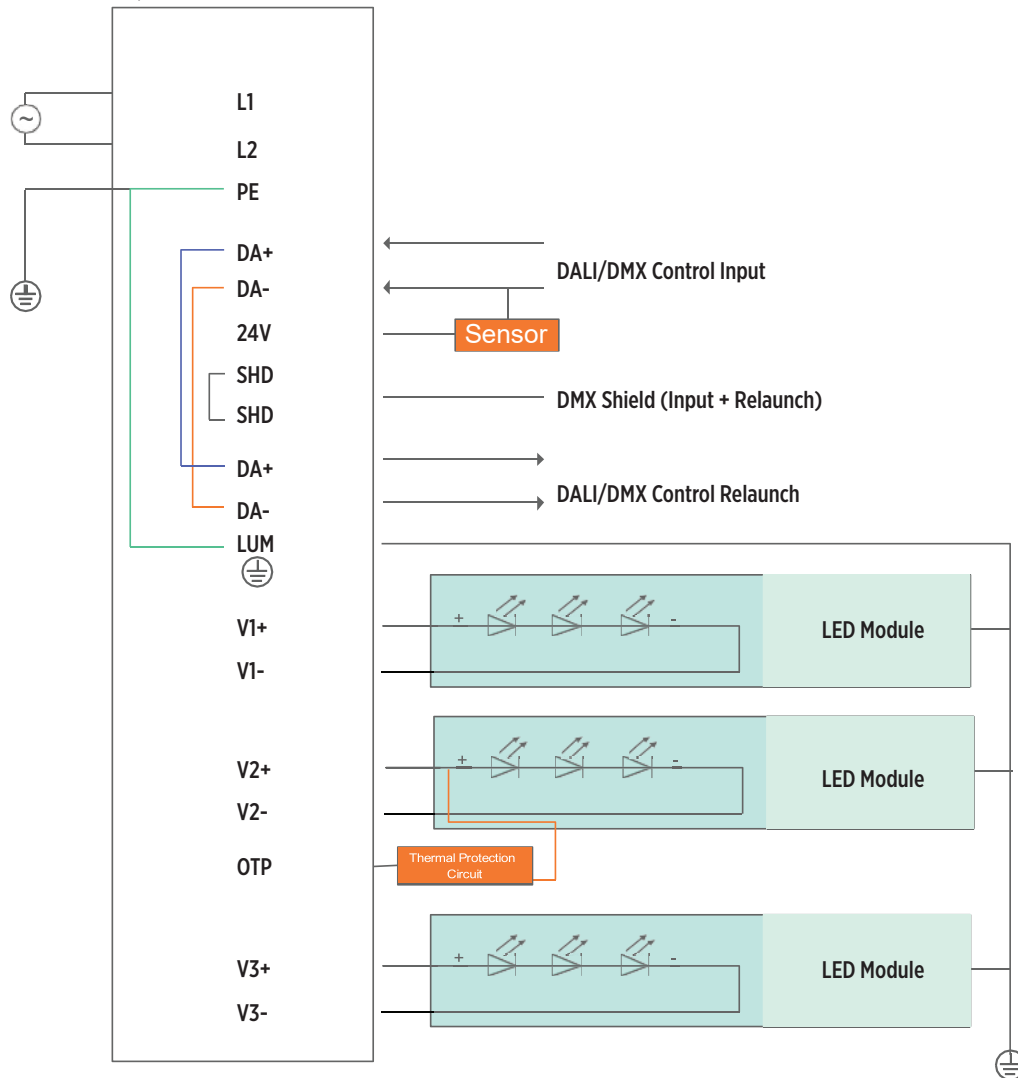
System Diagram



Power Supply

The power supply (remote led driver) comes in two (2) wattages (600W/1800W). All power supplies are IP66 rated with 10kV surge protection. The 1800W LED driver (standard) is divided into three (3) independent, constant-current channels (600W each channel). Supply cord for the power supply should be SOOW/H07RN-F or equivalent and be 1/4 to 7/16 inch O.D.. Cord to the power supply should be connected for the power supply per the diagram in (Figure 2).

Figure 2
(visual of the terminal block)

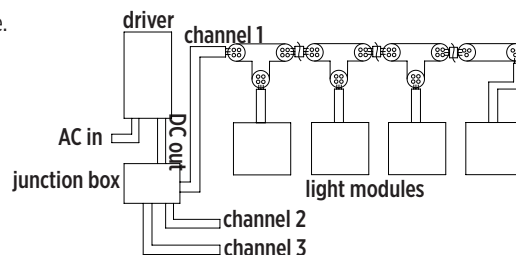


Connections

The Command Flood remote driver lights (LED modules) are DC-powered and set up for through (continuous row) wiring. Each led module must be wired in series, with a minimum of 3 and maximum of 5 CF-125-V2 lights per channel. A combination of “T” and “Straight” connectors are offered by Phoenix with the lighting system. “T” connectors are to be used for all lights except for the last light in each channel. “Straight” connectors are to be used for the last light in each channel.

All modules are supplied with a 72 inch 17 AWG, 3-conductor, 500W, 600V cable.

BROWN = LED (+)
BLUE = LED (-)
GRN/YLW = GROUND



1. Connect cable (supplied by others) from power supply to first LED module in each channel using T-connector. For wiring diagram, see (Figure 3).
2. Connect additional LED modules between first and last led module using T-connector. For wiring diagram, see (Figure 4).
3. For last LED module in series, connect led module using a straight connector. For wiring diagram, see (Figure 5).



Figure 3 - Wiring for First Fixture of Each Channel, T-Connector

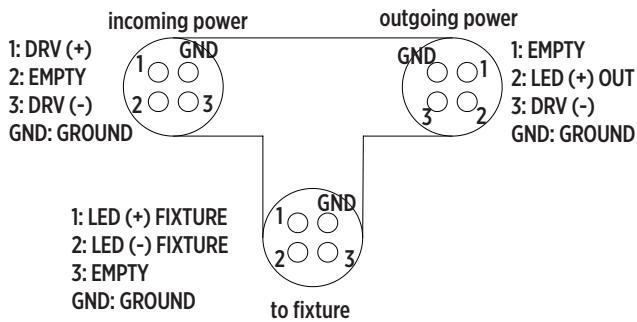


Figure 4 - Wiring for All Fixtures Between First and Last T-Connector

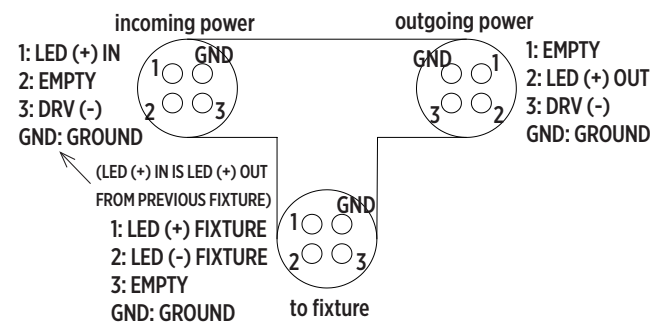
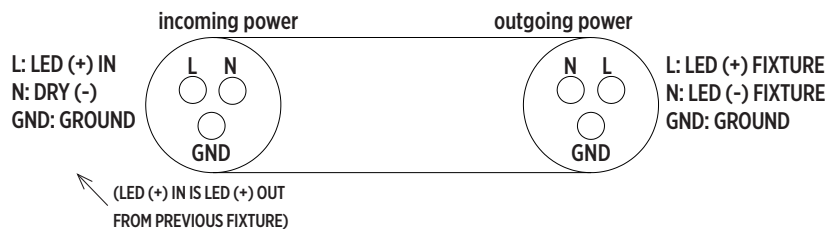


Figure 5 - Wiring for Last Fixture of Each Channel, Straight Connector



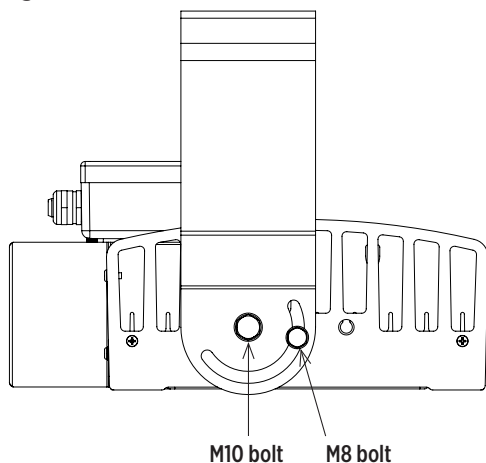
Aiming

All Command Flood™ fixtures are equipped with aiming slots.

To aim:

1. Loosen the M10 center bolt and the M8 aiming bolt on each side of the harp.
2. Adjust fixture to the desired angle and securely re-tighten M10 bolts and M8 bolts.

Figure 6



3. Once aligned, retighten M10 bolts to 30 lb-ft (40 Nm) minimum and the M8 bolts to 18.5 lb-ft (25 Nm) minimum.

Safety Cable Installation

Phoenix strongly suggests using a safety cable when installing Command Flood™ fixtures.

1. Locate a sturdy support structure for the safety cable. Please keep in mind that the safety cable is 60.00 inches (1524 mm) long and must be able to loop around a sturdy bar or bracket on the support structure.
2. Take the loop end (see Figure 7) of the cable and wrap it around the bar/bracket on the support structure.
3. Take the eyelet end (see Figure 7) and insert into the loop, pulling it until tight.
4. Place lock washer and flat washer on bolt, then insert bolt into hole of eyelet. Fasten bolt to the tapped hole provided in the housing, and torque to 70 to 80 lb-in.

Figure 7

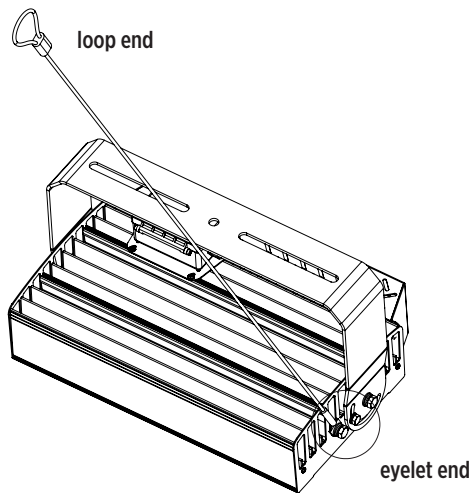
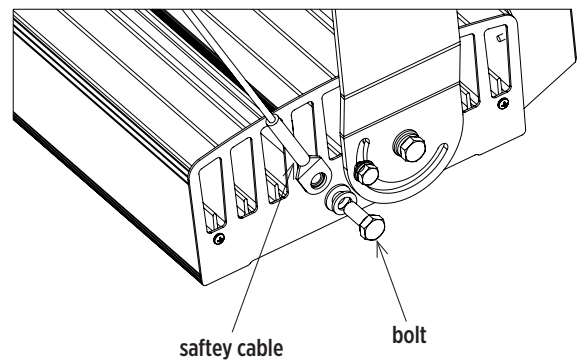


Figure 8



Maintenance

Periodic maintenance and cleaning is required to keep light fixture in peak operating condition. Buildup of dirt and/or debris will diminish performance, lead to premature failure and will void the fixture's warranty.

1. Inspect fixture monthly for buildup of dirt and debris on lenses and between fins of heatsink. Wash fixture and/or components with water as needed.
2. Inspect fasteners and verify cord grips are tight. Retighten as needed.
Note: Cord grips should be hand tight plus ¼ turn.
3. LED PCB light source of the luminaire is not replaceable; when the LEDs reach end of life, it must be replaced by a complete luminaire.

Repair Parts List

Description	Part Number
KIT,CF,RDRV-600W-200-480-DI	010219.900
KIT,CF,RDRV-1800W-200-480-DI	010219.901

Symbol Explanation

Symbol	Description
	Do not stare directly at the light source.
	Do not dispose of product in the trash. Follow local disposal procedures.
	Risk of electric shock.
	Minimum 2 meter distance between light source and lighted object.
IP66	Ingress protection rating IP66.