

**! CAUTION**

- All wiring should be done by a licensed electrician in accordance with state codes, local codes, and National Electric Code (NEC) standards or International Electrotechnical Commission (IEC) standards.
- Improper installation may result in serious injury and void warranty.
- Contains parts and assemblies susceptible to damage by electrostatic discharge (ESD).
- If the external flexible cable or cord of this luminaire is damaged, it shall be replaced with a cord with equivalent markings and ratings or a cord exclusively available from the manufacturer.
- The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.
- To reduce the risk of strangulation the flexible wiring connected to this luminaire shall be effectively fixed to the wall if the wiring is within arm's reach.
- Surge protective devices should be utilized for fixtures installed in environments subject to power surges outside the specified operating parameters.
- Ensure control circuits (dimming circuits) are adequately separated from primary circuits (incoming AC supply circuit) when installing control devices or control wiring.
- CAUTION To reduce the risk of ignition of hazardous atmospheres, disconnect the luminaire from the supply circuit before opening. Keep tightly closed when in operation.

**Ambient Temperature**

LO: -40°C to +60°C  
HI: -40°C to +60°C  
MAX: -40°C to +50°C

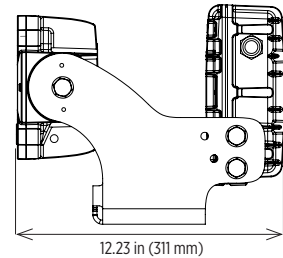
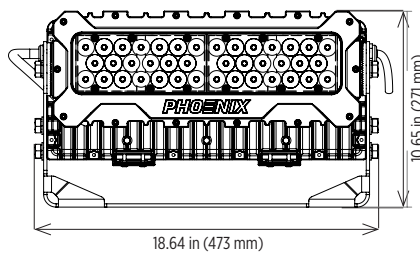
**Weight & Dimensions**

LO - 31.0 lb (14.1 kg)  
HI - 39.6 lb (18.0 kg)  
MAX - 49.2 lb (22.3 kg)

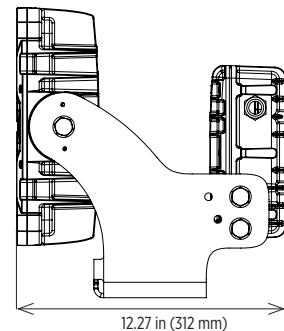
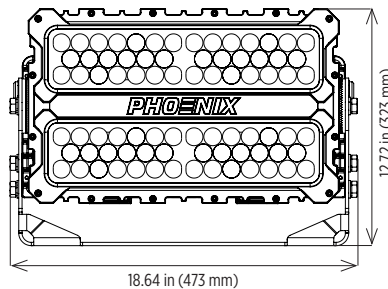
**EPA (wind load) Values**

LO - 1.7 sq. ft. (0.2 m<sup>2</sup>)  
HI - 2.0 sq. ft. (0.2 m<sup>2</sup>)  
MAX - 2.7 sq. ft. (0.3 m<sup>2</sup>)

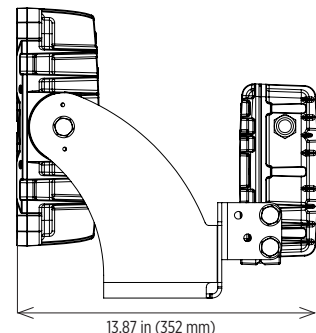
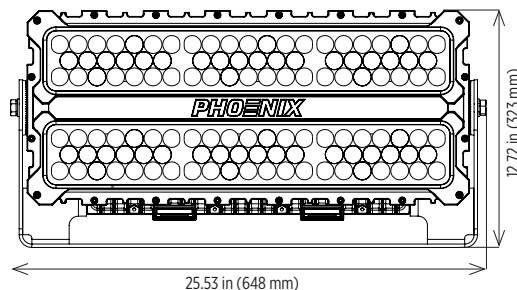
**LO Model**



**HI Model**



**MAX Model**



## Installation Instructions instructions d'installation

### Wiring (Standard)

The standard fixture is supplied with a six-foot cord and pigtail.

Green/yellow is ground (PE), brown is hot and blue is common.

The standard fixture is supplied with 0-10V dimmable drivers, where 0V is approximately 10% light output. When standard (non-DIM) models are ordered, the driver dimming leads are capped within the fixture at the factory.

When a dimmable fixture (DIM) is ordered, the fixture is provided with a six-foot, two-conductor dimming cord, where black is positive (+) and white is negative (-).

### Cable Requirements (Customer-Supplied Cable)

Suitable cable diameter range for standard AC input cord grips is 6-12mm (0.24-0.48 in).

Suitable cable diameter range for dimming input cord grips is 5-10mm (0.20-0.40 in).

Units without a pre-installed cord should not be exposed to outdoor environments without proper cables or plugs installed through all cord grip openings. Cord grips are not inherently water-tight until a properly sized cable or plug is inserted and the cord grip cap is tightened to a sufficient torque.

### Wiring (Customer-Supplied Power and/or Dimming Cables)

1. Open driver box cover by loosening all fourteen (14) screws.
2. Insert a suitable hard usage-type cable through the center of the fixture's cord grip opening. Cable jacket should be visible inside driver box. Note: Sealing and strain relief integrity relies on proper contact between cord grip and cable jacket - the cord grips used on this product are not designed to seal against wire insulation.
3. Make all necessary wiring connections (refer to Figure 1).
4. Tighten cord grip cap to 35 in-lbs. Ensure cord grip body remains sealed against enclosure. O-rings between cord grip body and enclosure wall should appear evenly compressed. If cord grip body should loosen, re-tighten up to 55 in-lbs.  
**Note:** Failure to tighten cord grip caps may compromise water-tight seal.
5. Replace driver box cover. To ensure proper seal, tighten screws in order identified in Figure 2. Each screw should be torqued to 18 in-lbs.

### Mounting

Fasten fixture with 3 x 1/2 inch (M12) bolts (not provided) through center hole and slots in harp assembly to a recommended torque of 45 foot-pounds. Standard mounting hole dimensions are shown in Figures 3 & 4. Attach near corner supports and use subbase appropriate for the weight of the fixture.

Figure 1: Incoming Power Terminal Block

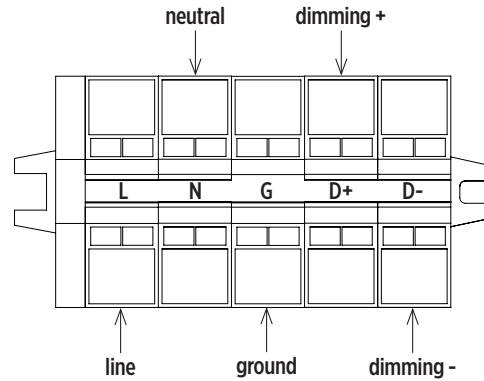


Figure 2: Driver Cover Screw Order

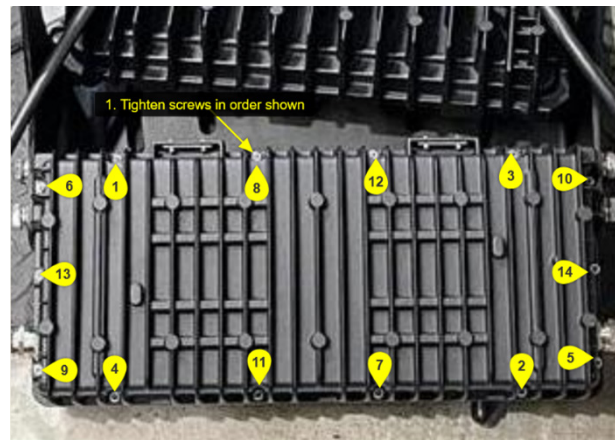
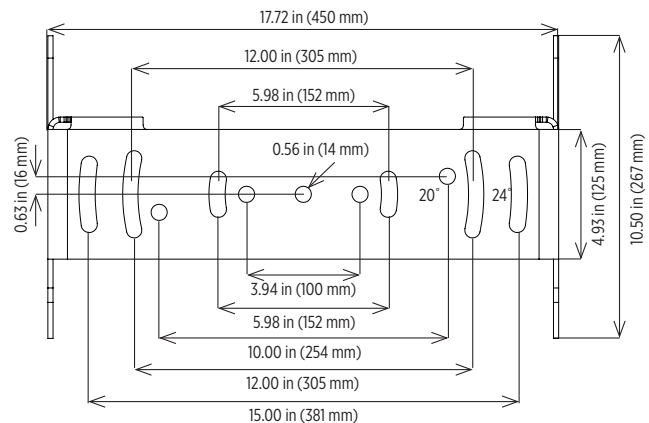


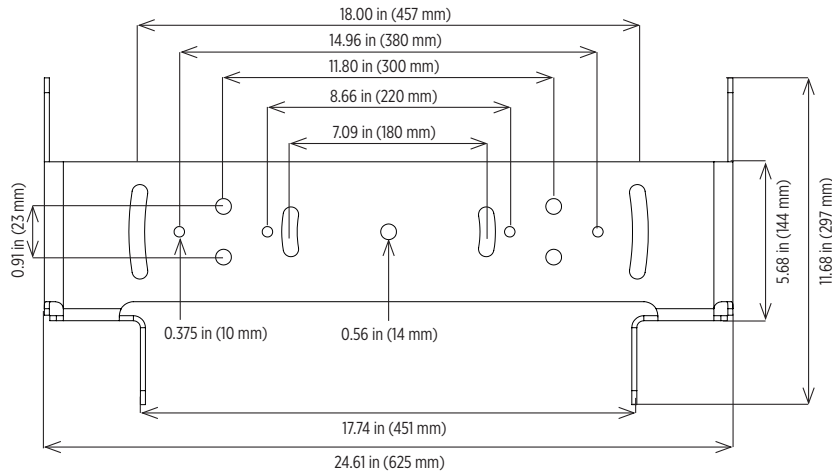
Figure 3: Dimensions for LO & HI Standard Mounting Brackets

Contact factory for dimensions on custom mounting brackets.



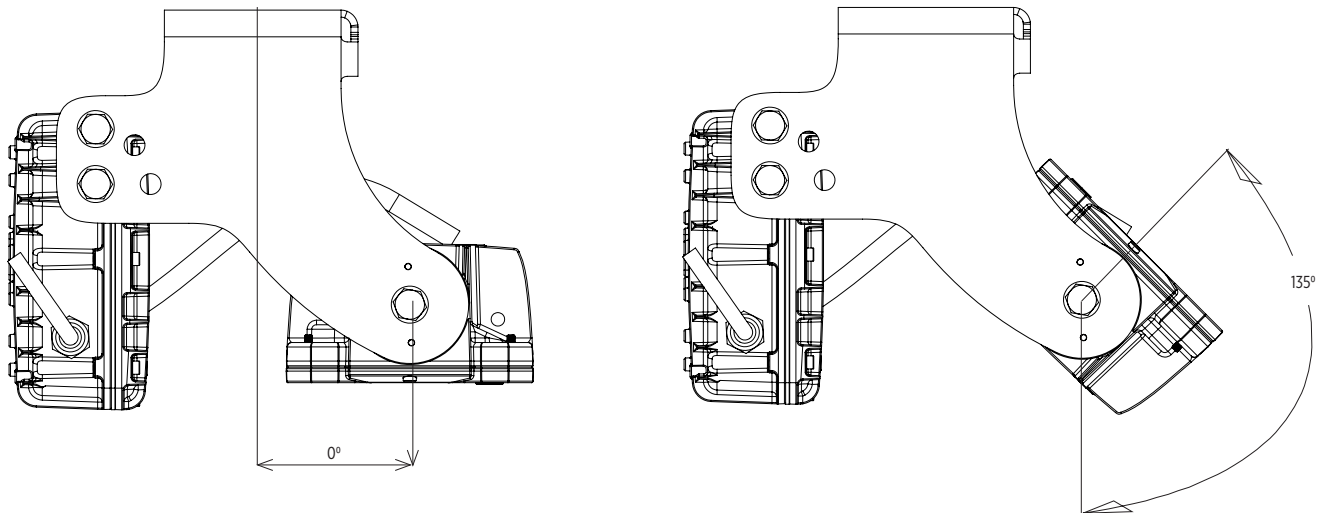
**Figure 4:** Dimensions for MAX Standard Mounting Brackets

Contact factory for dimensions on custom mounting brackets.



### Suitable Aiming Positions

**Note:** Fixture must not be aimed at mounting surface. In addition, “VS” and “NG” models should not be aimed at/exposed to direct sunlight.



Installation Instructions  
instructions d'installation

## LO Repair Parts List

Description	Part Number	Quantity per fixture
Cool white (5000K) LED board kit	010610.990	2
Neutral white (4000K) LED board kit	010610.991	2
Warm white (2700K) LED board kit	010610.992	2
Amber LED board kit	010610.993	2
LO lens cover kit	010610.999	1
LO 120-277V driver kit	010610.998	1
LO 277-480V driver kit	010613.998	1
VS optic kit	010610.980	2
SP optic kit	010610.982	2
MF optic kit	010610.984	2
WF optic kit	010610.985	2
NG optic kit	010610.986	2

## HI Repair Parts List

Description	Part Number	Quantity per fixture
Cool white (5000K) LED board kit	010610.990	4
Neutral white (4000K) LED board kit	010610.991	4
Warm white (2700K) LED board kit	010610.992	4
Amber LED board kit	010610.993	4
HI lens cover kit	010611.999	1
HI 120-277V driver kit	010611.998	1
HI 277-480V driver kit	010614.998	1
VS optic kit	010610.980	4
SP optic kit	010610.982	4
MF optic kit	010610.984	4
WF optic kit	010610.985	4
NG optic kit	010610.986	4

## MAX Repair Parts List

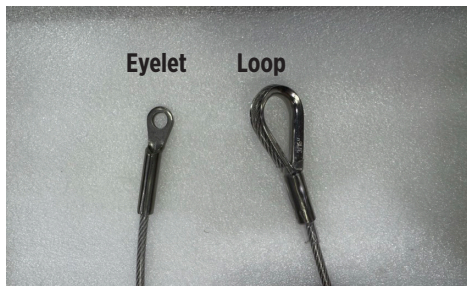
Description	Part Number	Quantity per fixture
Cool white (5000K) LED board kit	010610.990	6
Neutral white (4000K) LED board kit	010610.991	6
Warm white (2700K) LED board kit	010610.992	6
Amber LED board kit	010610.993	6
MAX lens cover kit	010612.999	1
MAX 120-277V driver kit	010612.998	2
MAX 277-480V driver kit	010615.998	2
VS optic kit	010610.980	6
SP optic kit	010610.982	6
MF optic kit	010610.984	6
WF optic kit	010610.985	6
NG optic kit	010610.986	6

## Safety Cable Installation

Phoenix strongly suggests using a safety cable. A safety cable comes standard with each EcoMod 3 fixture and can be purchased separated with each ModCom 3 fixture.

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 both the fixture's mounting bracket and a sturdy bar/ bracket on the support structure.
2. Take the loop end of the cable (Figure 3) and wrap it around the bar/bracket on the support structure.
3. Take the eyelet end of the cable (Figure 3) and wrap it around the fixture mounting bracket (Figure 4) prior to securing cable to the fixture housing using the provided safety cable hole in the casting (Figure 5).
4. Insert nut (provided) into the retention feature ("pocket") in the fixture casting (Figure 6).
5. Place the M8 lock washer (provided) and M8 flat washer (provided) onto the M8 bolt (Figure 6).
6. Insert the bolt through the eyelet of the safety cable and the machined hole in the fixture casting into the pocket holding the nut (Figure 6).
7. Fasten bolt to nut, torque to 10-15 lb-ft

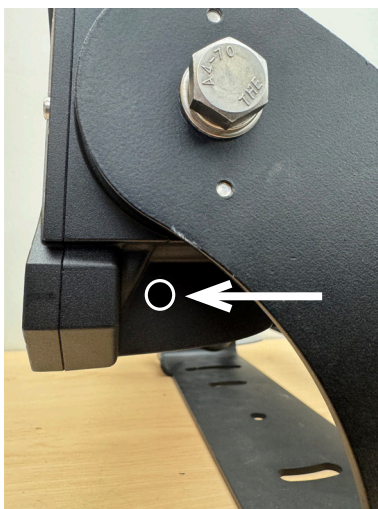
**Figure 3:** Safety Cable



**Figure 4:** Safety Cable Looped Around Fixture Mounting Bracket



**Figure 5:** Safety Cable Hole in Fixture Casting



**Figure 6:** Safety Cable Attachment to Fixture



## 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 void the fixture's warranty.

1. Inspect fixture monthly or (more frequently if conditions require) for dirt and debris buildup on lenses and between fins of heatsink. Wash down with water as needed.
2. Inspect fasteners and verify cord grips are tight.
  - a. Ensure cord grip caps are torqued to 35 in-lbs.
  - b. Ensure cord grip body remains sealed against enclosure. O-rings between cord grip body and enclosure wall should appear evenly compressed. If cord grip body should loosen, re-tighten up to 55 in-lbs.

## FCC Notice (Class A)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Federal Communications Commission Statement

**NOTE:** This equipment has been verified and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by tuning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the equipment.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the factory, factory representative, or an experienced technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment."

