

LITETRONICS®

High Bay Luminaire

Installation Instructions

HB125, 185 and 220 Series Luminaires with 277-480V Drivers



SAFETY INSTRUCTIONS AND WARNINGS

WARNING:

Risk of fire or electric shock. High Bay luminaire installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

Be certain electrical power is OFF before and during installation and maintenance.
High Bay luminaire must be connected to a wiring system with an equipment – grounding conductor.
Make sure the supply voltage is same as the rated luminaire voltage

Only those open holes indicated in the photographs and/or drawings may be made or altered as a result of this kit installation. Do not leave any other open holes in an enclosure of wiring or electrical components.

To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or sharp objects.

No user serviceable parts inside of High Bay Luminaire.

INSTALLATION AND ASSEMBLY INSTRUCTIONS

PLEASE READ ENTIRE DOCUMENT BEFORE INSTALLATION

HB125, 185 and 220 series luminaires with 277-480V drivers.

Standard: Glass lens (frosted and clear) suitable for wet locations (IP65 rated).

Optional: Shatterproof polycarbonate lens (frosted and clear) which is good for dry locations only.

Note: Save these instructions for future reference.

LED High Bay 480V Luminaire base product comes with following standard parts:



Tools typically used for base product installation:

Wire Stripper *(optional)*

Wire Cutter *(optional)*

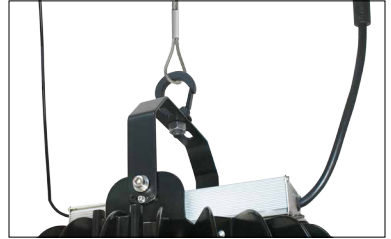
INSTALLATION PROCEDURE- 480V HIGH BAY FIXTURES

Input 277-480V using 3 strip wires with or without 0-10V dimmer

1. Turn off power at the circuit breaker and ensure that the power is off before wiring.



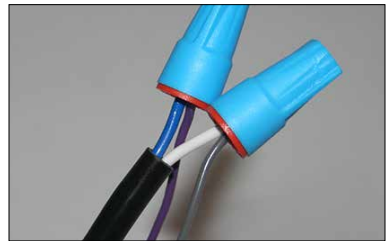
2. High Bay Luminaire should be mechanically supported by chain or cable by securing to snap-lock hook or optional round hook Litetronics part # HBAM20 or HBAM21 on top of fixture using nut from snap lock hook assembly.



3. When installing without dimmer (0-10V) in wet locations: Ensure that white/gray and blue/purple wires are each covered with a waterproof nut (supplied). When installing in dry locations, ensure white/gray and blue/purple wires are not crossed.



4. When installing dimmer (0-10V): Connect 0-10V dimmer wires to dimmer control as per manufacturer instructions with dim (+) blue/purple and dim (-) white/gray from High Bay luminaire with waterproof nuts (supplied). Follow wiring diagram on next page to connect 0-10V dimmer and 277-480V power. Follow dimmer control manufacturer instructions for more details.



5. Connect wire cord to AC branch circuit as per following. It should be in accordance with national and local codes.

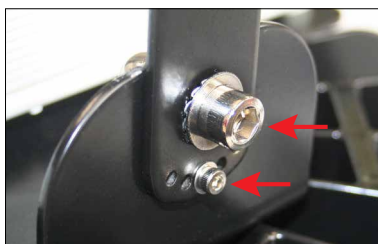
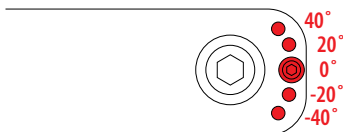
- Connect black wire to line (hot)
- Connect white wire to neutral
- Connect green to ground



INSTALLATION PROCEDURE- 480V HIGH BAY FIXTURES

Input 277-480V using 3 strip wires with or without 0-10V dimmer

6. To set the desired angle of High Bay, adjust socket head type screws with hex nut to set bracket angle, and then tightly fix all screws. Preset angles at: -40, -20, 0, 20 and 40 degrees.



7. For mounting High Bay at an angle, the two slots on the yoke bracket can be used for additional bolts, anchors or screws to establish the desired angle position.



8. Restore power at circuit breaker and subsequently switch on dimmer (if applicable) and enjoy High Bay luminaire.



Wiring Diagram

