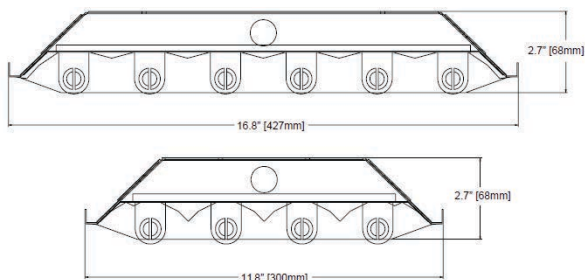


# LED Premium High Bay

## DIMENSIONS



## APPLICATION

The LPHB is an outstanding value for a wide variety of applications and mounting heights. Precision designed optics, lumen outputs and color temperatures make the LPHB an ideal one-for-one replacement of conventional high bay systems such as HID and fluorescent for industrial, commercial, manufacturing, gymnasium. The LPHB Series is fully dimmable and is compatible with building controls, motion sensors and daylight harvesting systems. The LED's enable long life, high lumen maintenance and high CRI and are low maintenance and constructed without hazardous materials.

## FEATURES

- Optical design provides one-for-one replacement of metal halide and fluorescent high bays with substantial energy savings
- Two LED color (Kelvin) temperature options and >80 CRI
- Post painted white powder coat steel housing for extreme durability in harsh environments.
- Low profile design allows fixture placement near the ceiling for maximum space utilization.
- Suitable for suspension by chain, cable or hook.
- Hinged back door for quick driver replacement
- Instant On.
- NEC Required Driver Disconnect is Standard on MV and HV Models.
- Battery backup available for emergency egress applications

## HOUSING

Rigid, low-profile steel housing. Precision-engineered and manufactured optics to optimize light delivery to the working plane. Convenient mounting options and sufficient knockouts for controls integration and multiple connection options. Housing features radiator slots for heat dissipation and low temperature LED operation.

## MOUNTING

Luminaire ships standard equipped with V-hooks for mounting. Accepts various other mounting options: surface, suspension and air craft cable.

## ELECTRICAL

Equipped standard with a 0-10V continuous dimming driver that works with any standard 0-10V control/dimmer. Long-Life LED's 60,000 hours at L80 with projected life over 100,000 hours for reduced life cycle maintenance costs.

## LISTING

All luminaires are built to UL 1598 and 2108 standards, and bear appropriate ETL labels. Damp location labeling is standard. Emergency equipped fixtures labeled UL924. Adheres to LM70, LM80, and TM21 industry standards.

## WARRANTY

5-year limited warranty. See complete warranty for terms and exclusions. (Labor not included).

## ORDERING INFORMATION

Example Model Number: LPHB-211-100-MVD-850-OS

LPHB	211	100	MVD	850	
SERIES	LENGTH	WATTAGE	VOLTAGE	COLOR TEMPERATURE	OPTIONS
	211- 24" x 11" 411- 48" x 11" 416- 48" x 16"	100- 100W 11,000 Lumens 140- 140W 18,200 Lumens 200- 200W 26,400 Lumens	MVD- 120-277V; 0-10V Dimming HVD-347-480V,0-10V Dimming	840 - 80 CRI; 4000 Kelvin <sup>1</sup> 850 - 80 CRI; 5000 Kelvin	OS- 360 ° PIR Occupancy Sensor OSD- 360 ° PIR Occupancy Sensor w/ Daylight Sensor LENS-PHB-F- Frosted High Impact Acrylic Lens LENS-PHB-C- Clear High Impact Acrylic Lens EML5- Emergency Battery Pack, 500 Lumens EML8- Emergency Battery Pack, 800 Lumens EML14- Emergency Battery Pack, 1400 Lumens
<p>Notes: <sup>1</sup>Made to order items. Minimum 90 day lead time. Minimum 500 order quantity.</p>					

# Installation Instructions

## SAFETY PRECAUTIONS

**WARNING:** Failure to install and wire fixture in accordance with the National Electrical Codes (NEC), all applicable Federal, State and Local electrical codes, as well as specific U.L. safety standards for the intended working environment (location/ application) may cause serious personal injury, death and/or property damage. This product must be installed by a person familiar with the construction and operation of the product and the hazards involved.

**CAUTION:** TURN OFF POWER FROM THE MAIN CIRCUIT BEFORE INSTALLING FIXTURE. Make sure fixture is grounded per National Electrical Codes (NEC).

## GENERAL

These fixtures are intended to be mounted to a 4" metal octagon outlet box. The box must be directly supported by the building structure.

**Important Note:** The safeguards and Instructions appearing in this page are not meant to cover all possible conditions and situations that may occur. It may be understood that common sense, cautions and care are factors, which cannot be built into any product. The person(s) installing, operating and responsible for the

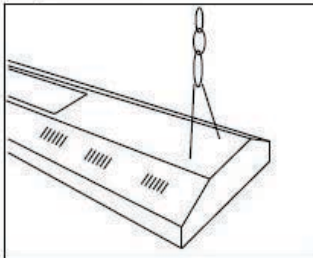
### Warning:

Risk of fire and electrical shock. Most dwellings built before 1985 have supply wires rated 60 supply wires are located 3 inches of the driver use wires rated at least 90 °C.

## MOUNTING

Y Hooks provided for easy chain and cable mounting.

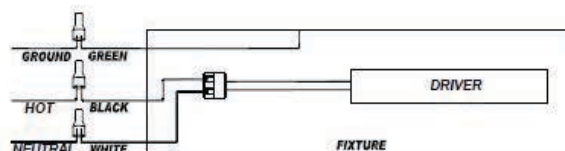
1. Lift Y hooks from back of housing. Connect to two equal lengths of chain (not supplied).
2. Fixture height and spacing should be determined by task needs.
3. Use appropriate hardware/hooks for the mounting surface.



## WIRING

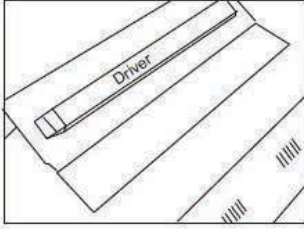
All units have driver that are multivoltage. Driver accept 120V thru 277V without wiring changes.

1. Open the wiring access plate by removing the screw on the plate located on top of the fixture.
2. Use approved connectors to connect the supply wires to the fixture.
3. **CAUTION: Do not bypass the provided driver disconnect.**
4. Connect the appropriate BLACK fixture lead to the HOT supply lead.
5. Connect the WHITE fixture lead to the NEUTRAL supply lead.
6. Fixture ground wire must be connected to supply ground.
7. Close access plate and secure with screw.



## DRIVER REPLACEMENT

1. Remove two screws from driver compartment located on the top of the fixture.
2. Swing open door. Driver is mounted to the door.
3. Disconnect power to the fixture by disconnecting the connector.
4. Remove wires from driver using the release tabs on the driver or quick disconnects.
5. Replace with comparable driver.
6. Wire per diagram on driver.
7. Close driver door and secure with two screws on each door.



## TROUBLESHOOTING

Problem	Possible Cause	Solution
Fixture dose not light.	<input type="checkbox"/> Power is off. <input type="checkbox"/> Faulty wire connection. <input type="checkbox"/> Faulty switch.	<input type="checkbox"/> Make sure power supply is on. <input type="checkbox"/> Check wiring. <input type="checkbox"/> Test or replace switch.
Fuse blows or circuit breaker trips when light is turned on.	<input type="checkbox"/> Crossed wires or power wire is grounding out.	<input type="checkbox"/> Check wire connections.

## WIRE GUARD

1. Attach six mounting clips to guard, aligning them close to pre-drilled mounting holes in housing.
2. Use screws provided and attach clips to housing.

