

# USHIBAYRxxxWPL (300W-480W) Series LED High Bays



COMMERCIAL LED EXPERTS



## OVERVIEW

The USHIBAYRxxxWPL Series High Bays are high performance LED fixtures ranging from 300 watt to 480 watt. Available for 100-277V or in 277-480V. This product can also be ordered in a White housing finish, and with LED color temperatures varying from 3000K to 5700K.

- Limited Warranty: 5 Years
- Efficacy: up to 140 LPW
- Lumen Output: 43,000-69,000 L
- Wattage: 300- 480 W

## APPLICATIONS

This light can be used for indoor or outdoor applications. Typically used for warehouses, garages, gymnasiums or buildings with high ceilings and high mounting heights to cover large areas of space. This product also has multiple mounting methods for various types of applications.



## Models

Model	Watts(W)	Lumens (LM)	Efficacy (LPW)
USHIBAYR300WPL	300	43221.4	139.94
USHIBAYR400WPL	400	57245.2	140.12
USHIBAYR480WPL	480	68739.6	140.26

\*Lumen Values shown in Color Temperature of 5000 K. Also available in Color Temperatures of 3000K, 3500K, 4000K, 4500K, and 5700K.

## Technical Specifications

### Warranty

uSaveLED warrants these LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. Please refer to our full warranty.

### Qualifications

#### ETL Listing:

ETL Listed, conforms to UL STD 1598; Certified to CSA STD C22.2 No.250.0

Suitable for Wet Locations

#### IESNA LM79 & LM-80 Testing:

LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

#### DLC Qualification:

Selected models of this product are on the Design Lights Consortium (DLC) Qualified Products List and are eligible for rebates from DLC Member Utilities. To view our DLC qualified products, please consult the DLC Qualified Products List at [www.designlights.org/qpl](http://www.designlights.org/qpl)

### Construction

#### IP Rating:

Ingress Protection rating of IP65 for dust and water

#### Ambient Temperature:

Suitable for up to 50° C (122° F) ambient temperature

#### Cold Weather Starting:

The minimum starting temperature is -40° F/-40° C

#### Thermal Management:

Superior thermal management with external Air-Flow fins.

#### Housing:

Die-cast aluminum housing

#### Mounting Methods:

- Hook mount. (included)
- Surface mount, 0-90° trunnion. (included)
- Pendant Mount for 3/4" NPS conduit, feed cord through conduit. (included)
- Slipfitter Mount for 2" Pole or Tenon. (optional)

### LED Characteristics

#### LEDs:

Long-life, high-efficiency surface mounting LEDs  
Color Temp: 3000K, 3500K, 4000K, 4500K, 5000K, 5700K

### Construction (continue)

#### Gaskets:

Silicon Gaskets

#### Finish:

Our environmentally friendly polyester powder coating are formulated from high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

#### Lens:

Polycarbonate

### Driver Info

Input Voltage: AC100-277V, 50-60 Hz  
or AC 277-480V, 50-60 Hz

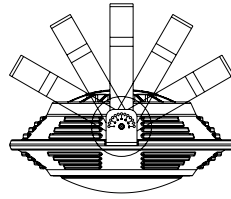
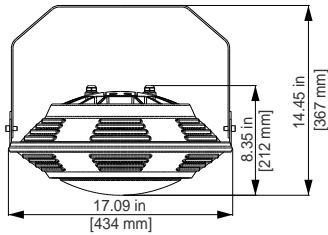
Power Factor : >95%

Operating Temperature: -40° F (-40° C)  
to 122° F (50° C)

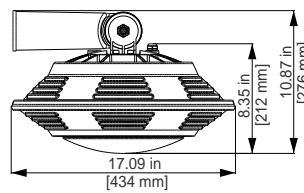
Operating Humidity: 20% to 75% RH

Wattage: 300 W, 400 W, 480 W

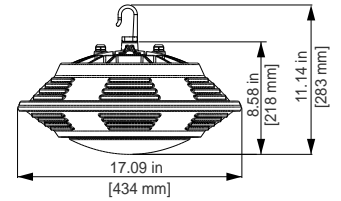
## Dimensions



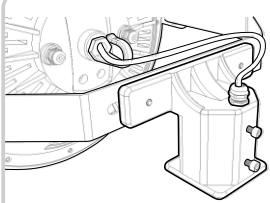
with included Trunnion Mount  
(adjustable 180° angle range)



with Optional On-Fixture  
Slipfitter Mount (ACHWSF)

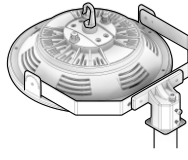


with included hook installed

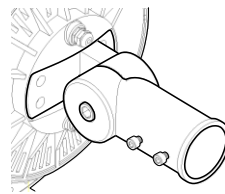


### "On-Trunnion Mount" Slipfitter

The Slipfitter is installed onto the trunnion mount of the fixture. This will be the appropriate choice to be installed on a vertical pole.



180° range

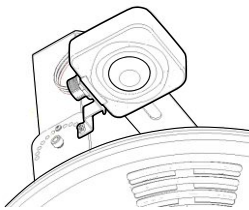


### "On-Fixture" Slipfitter

The slipfitter is mounted directly onto the fixture and fits over a 2" Pole or Tenon. Once it is installed, it is able to adjust in various angles that would best fit the most convenient tilt for the application its being used for.



180° range

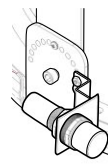


### PIR Occupancy Detection (Indoor)

ACHUOS detects changes in the infrared energy given off by occupants as they move within the field-of-view. When occupancy is detected, a self-contained relay switches on the connected lighting load. The sensor is line powered and can switch line voltage. An

internal timer, factory set at 15 seconds, keeps the lights on during brief periods of inactivity. It is ideal for high mounted areas such as warehouses, manufacturing and other high ceiling applications, 15 to 30 ft mounting heights, 15 to 20 ft radial coverage overlaps area lit by a typical high bay fixture at 30 ft.

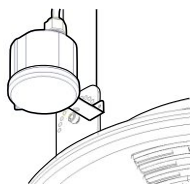
Time delay is adjustable from 30 seconds to 30 min. Sensor Sensitivity Range is adjustable from 50% to 100%. Adjustable Ambient Light Level can detect whether to turn a fixture on or off by determining if enough light from other sources, such as sunlight, is sufficiently illuminating an area.



### Daylight Harvesting (Indoor)

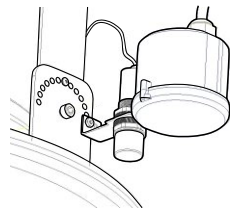
To take full advantage of daylight integration, buildings should have automated controls that either turn on or dim artificial light in response to the available daylight within a space. ACHUPS supplies a simple and effective solution for daylight harvesting. By connecting to 1-10V interface,

ACHUPS uses a photocell to measure ambient lux level and automatically calculate how much artificial light is needed, which then converts the amount of light to 1-10V dimmable LED drivers. 1-10v dimmable drivers adjust the lighting output according to the signal from daylight sensor



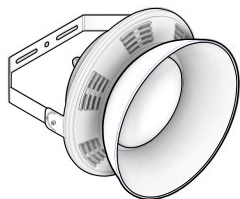
### Microwave Occupancy Detection

ACHUMO is an innovative and programmable motion detector with HF system 5.8GHz. Motion can be detected through plastic, glass and thin non-metal materials. It can be mounted as high as 48 ft. The sensor allows energy saving without compromising comfort. With its signature 3-step dimming function, it is perfect for us in areas that require a light change notice before totally switching off the light. Daylight (on/off) sensor is integrated for maximum energy saving.



### Microwave Occupancy Detection with Daylight Harvesting

When ACHUMO microwave sensor works together with ACHUPS daylight harvesting sensor, the lighting fixture will dim the light in response to the available daylight in the area, when the area is being occupied.



### 90° Reflector

The ACHWRF90 aluminum dome is used to reduce the default 120° beam angle on the luminaries to a 90° beam angle. Typically used for aisles in warehouses

### Dimensions:

