LED High Bay with Bi-Level Sensor

USAVE LED
COMMERCIAL LED EXPERTS

OVERVIEW

USHBRSxxxWPL is designed to perform at a price that makes sense. Get quick payback with up to 80% reduction in maintenance and energy costs compared to conventional metal halide systems. All models comes standard with a Bi Level Dimming
(step dimming) sensor for further energy reductions.

APPLICATIONS

USHBRSxxxWPL is an efficient wet location high bay suitable for a variety of areas including warehouses, gyms, covered outdoor areas, garden centers, and mezzanines.

Programmable Bi level Sensor Included
Efficacy: up to 155 LPW
Lumen Output: 7,000   40,000 LM
Wattage: 60   250 W

MOTION CONTROL INCLUDED
EMERGENCY BACKUP OPTION
DAYLIGHT HARVESTING OPTION

DLC

c(UL)us LISTED E473037

Models	Watts(W)	Lumens (LM)	Efficacy (LPW)
USHBRS60WPL	60	7,664	134
USHBRS80WPL	80	11,989	155
USHBRS100WPL	100	15,219	154
USHBRS120WPL	120	18,167	153
USHBRS150WPL	150	23,356	152
USHBRS200WPL	200	32,264	155
USHBRS250WPL	250	39,320	155

* Lumen output based on 5000K

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

UL Listing
E473037
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

Construction

IP Rating
Ingress Protection rating of IP65 for dust and water
Ambient Temperature
Suitable for up to 113° F (45° C) ambient temperature
Cold Weather Starting
The minimum starting temperature is 4 F° (20° C)
Housing
Die cast aluminum housing
Mounting Methods
Hook mount, Trunnion mount. (included)
Conduit (NPT 3/4) pendant mount. (optional)

LED Characteristics

Lifespan
100,000 hour LED Lifespan based on IES LM 80 results and TM 21 calculations.
Color Temperature
3000K / 4000K / 5000K / 5700K
Color Rendering Index
CRI > 70

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. Optional Prismatic Acrylic Reflector

Driver

Input Voltage AC100 277V, 50/60 Hz
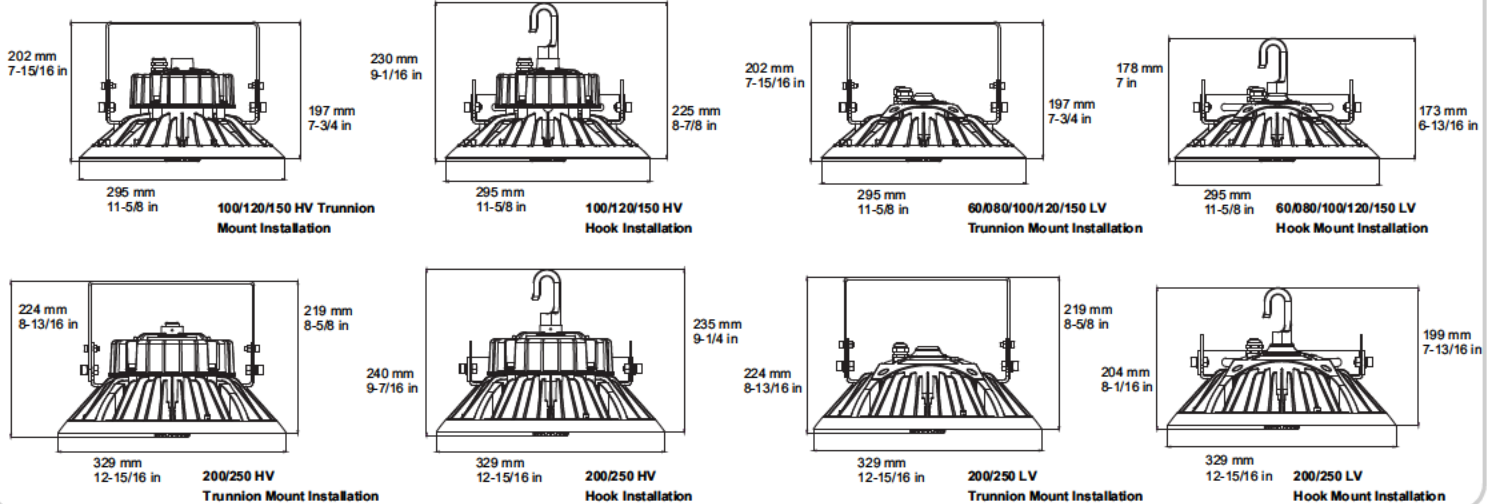or AC 200 480V, 50/60 Hz
(on 100 250W HV model)
0 10v dimmable LED drivers provides smooth and continuous dimming.
Power Factor >0.9
Wattage   60w, 80w, 100w, 120w, 150w, 200w, 250w

LED High Bay with Bi-Level Sensor

Dimensions

202 mm 7-15/16 in | 197 mm 7-3/4 in | 295 mm 11-5/8 in
100/120/150 HV Trunnion Mount Installation

230 mm 9-1/16 in | 225 mm 8-7/8 in | 295 mm 11-5/8 in
100/120/150 HV Hook Installation

202 mm 7-15/16 in | 197 mm 7-3/4 in | 295 mm 11-5/8 in
60/080/100/120/150 LV Trunnion Mount Installation

178 mm 7 in | 173 mm 6-13/16 in | 295 mm 11-5/8 in
60/080/100/120/150 LV Hook Mount Installation

224 mm 8-13/16 in | 219 mm 8-5/8 in | 329 mm 12-15/16 in
200/250 HV Trunnion Mount Installation

240 mm 9-7/16 in | 235 mm 9-1/4 in | 329 mm 12-15/16 in
200/250 HV Hook Installation

224 mm 8-13/16 in | 219 mm 8-5/8 in | 329 mm 12-15/16 in
200/250 LV Trunnion Mount Installation

204 mm 8-1/16 in | 199 mm 7-13/16 in | 329 mm 12-15/16 in
200/250 LV Hook Mount Installation

Performance

	60W			80W			100W		
CCT	3000K	4000K	5000K	3000K	4000K	5000K	4000K	5000K	5700K
Lumens	7422	7548	7664	11633	11811	11989	15038	15219	15400
Efficacy (lm/W)	130	132	133	150	152	155	152	154	156
Color Accuracy (CRI)	93	93	93	73	73	73	72	70	70

	120W			150W			200W		
CCT	4000K	5000K	5700K	4000K	5000K	5700K	4000K	5000K	5700K
Lumens	17952	18167	18382	23080	23357	23634	30894	31264	31635
Efficacy (lm/W)	151	153	155	152	152	152	154	155	157
Color Accuracy (CRI)	70	70	70	70	70	70	70	70	70

	250W			150W HV			250W HV		
CCT	4000K	5000K	5700K	4000K	5000K	5700K	4000K	5000K	5700K
Lumens	38847	39320	39778	22508	22845	23183	37146	37710	38275
Efficacy (lm/W)	153	155	156	153	155	157	152	155	157
Color Accuracy (CRI)	72	73	73	70	70	70	72	73	74

Programmable Bi-Level Dimming Sensor - Standard

When the control senses movement, it raises the fixture's light level to 100% output and remains at full brightness as long as it senses movement. When movement is no longer detected, its internal timer begins counting. If the set period of time expires, the fixture will dim down to your selected dimming level (50%, 30%, 20% or 10% light output). Then, depending on your selected timer settings, the fixture can either remain at this dimmed level for a continuous amount of time, or, turn completely off after a set period of inactivity. Once the fixture senses movement, it will return to full output and the process begins again.

Bi-Level sensor preset: 5 minutes hold time till dim to 30%, standby for another 10 minutes until completely turn-off. Wireless Programming Device sold separately.

Daylight Harvesting Sensor - (optional)

Daylight Harvesting Sensor is a control device that reduces electric light in building interiors when daylight is available, in order to reduce energy consumption. Daylight harvesting takes advantage of naturally available light, is a key energy-saving strategy for commercial spaces. The principle is simple: the electric lights in a space can automatically be dimmed downed when enough natural light is entering the space. Target light level is adjustable.

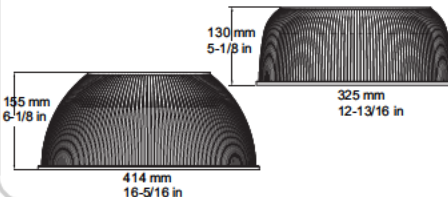** require conduit mount kit, but is not restricted to conduit mount installation (NPT 3/4 hook sold separately)*

Emergency Backup - (optional)

When there is a power outage, the emergency backup will power USHBRSxxxWPL to an reduced brightness for at least 90 mins. This self-tested device will perform a 30-second discharge test once a month and a full 90-minute discharge test once a year. If the unit detect any problems, the indicator will flash.

* wireless manual emergency test remote sold separately

90° Prismatic Reflector (optional)

130 mm 5-1/8 in | 325 mm 12-13/16 in | 155 mm 6-1/8 in | 414 mm 16-5/16 in

Prismatic Drop Lens (optional)