HBD UFO HIGHBAY LIGHT

NSF Certified Food Safety Light

Introduction

- HBD series high bay light with smooth housing prevents the accumulation of substances such as food debris and dust, which is the premier choice for harsh ambient lighting.
- As an NSF certified product, the luminaire is IP66 and IP69K rated, withstand the rigors of food processing and high pressure washing. Its standard efficiency is 150 lumen per watt. But it can reach up to 190 lumen per watt, and its highest lumen reaches 38,000 lumens.
- It supports built-in sensors and emergency functions for selection.
- The HBD Series can be used in food processing and food safe environments. Applications include poultry processing, food and beverage processing, commercial kitchens and manufacturing facilities, among others.



Product Specifications

Construction

- The streamlined housing design allows easy cleaning and prevents the build-up of any liquid or particles.
- Integral heat sink to optimize thermal transfer and maximize performance of the LEDs.

Electrical:

- 0-10v dimmable driver, which can dim from 100% down to off.
- The Input voltage is AC100-277V/AC100-347V/AC 277-480V (50/60Hz).
- 5ft (59") long power and 1ft (12") long dimming cord provided for easier installation.

Optics:

- LED chips support 3000k, 4000K, 5000K and 5700K with Ra80 for general light efficacy, Ra70 for high light efficacy
- Sealed optic available in wide beam angle.

Finish:

- White is the standard for NSF certification.

Mounting:

- Support Standard 3/4" G hook and Safety hanging for hanging installation.

Ambient Temperature:

- -40° F (-40° C) to 113° F (45° C)

Compliances:

- NSF certified for food processing.
- cULus listed for wet locations.
- DLC® (DesignLights Consortium) Qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org.

Warranty:

- 5-years limited warranty. Complete warranty terms located at: https://xsylights.com/warranty/

Ordering Guide

EXAMPLE: XSY-HBDUXXW-XXKAA-MZPT

Brand X	Product name HBD	Region U	Wattage XXW	CCT XXK	Input Voltage AA	Mounting M	Sensor S	Driver P	Efficacy T
XSY	HBD	E=Europe U=America Blank=Australia	80W 100W 150W 200W	30K=3000K 40K=4000K 50K=5000K 57K=5700K	SV=100-277Vac LV=100-347Vac HV=277-480Vac	D= Ring Pendant G=Pole Mounted	S=with Sensor N=without Sensor	I=Isolated C=Non-Isolated	A=190lm/w B=150lm/w

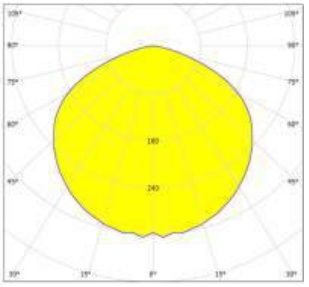
Performance Data

Lumen values are based on 120V AC input product configuration, contact for performance data on any configurations not shown here.

General Efficacy

Model	Nominal CCT	Lumens	Watts	LPW	CRI
XSY-HBDU100W-XXKAA-MZPB	3000K	14,000	100W	140	>80
	4000K	14,200		142	
	5000K	14,600		146	
	5700K	15,000		150	
XSY-HBDU150W-XXKAA-MZPB	3000K	21,000	150W	140	>80
	4000K	21,300		142	
	5000K	21,900		146	
	5700K	22,500		150	
XSY-HBDU200W-XXKAA-MZPB	3000K	28,000	200W	140	>80
	4000K	28,400		142	
	5000K	29,200		146	
	5700K	30,000		150	

Photometric



Wide Beam angle

Brief Introduction



Housing

IP66& IP69K;
Corrosion resistant;
No harmful substances or chemicals;

LED driver

0-10V Dim;
AC100-277V/AC100-347V/
AC277-480V

Efficacy

150LM/W
190LM/W

Glass or PC Lens

(Both of them meet NSF certificate)

Sensor

Microwave sensor
(Installed in the middle of Lens)
Maximum sensing height through PC lens: 10M/33FT

Note: PC lens is recommended for NSF standard applications.

Accessories

Sensor

Factory-Installable ONLY



XMSMH-H-HBD
Built-in Microwave Sensor for X-HBD

Field-Installable / Field-Use ONLY (purchased separately)



HD06R
Remote Control

Emergency Battery Backup

Factory-Installable OR Field-Installable (field-installable purchased separately)



XEBB01-25WAC
Emergency Battery Backup
EMUFO-25170-YY II -25W/90min,
for XSY-HBDU80W~150W, at AC120-277/347V



XEBB02-40WAC
Emergency Battery Backup
EMUFO-40170-YY II -40W/90min,
for XSY-HBDU200W, at AC120-277/347V

Reflector

Field-Installable (field-installable purchased separately)



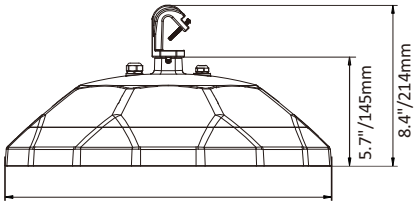
XPCR-HBD
Polycarbonate Refractor -100 degree for HBD

Electrical Data

Model Series	Wattage(W)	Current (A)					
		Input Voltage (V)					
		120	208	240	277	347	480
XSY-HBDU100W	100	0.93	0.53	0.46	0.40	0.32	0.23
XSY-HBDU150W	150	1.39	0.80	0.69	0.60	0.48	0.35
XSY-HBDU200W	200	1.85	1.07	0.93	0.80	0.64	0.46

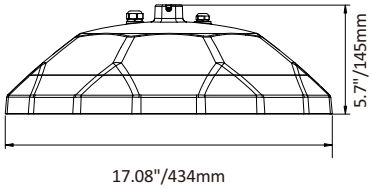
Dimensions

80W-200W



17.08"/434mm
G Hook mounting

80W-200W



17.08"/434mm
3/4'' NPS Pendant mounting

Shipping Information

Model	Carton Size (in)	G.W. (lbs)	Per carton (pcs)	20GP (pcs)	40HQ (pcs)
XSY-HBDU100W	18.70 x 18.70 x 7.48	13.71	1	548	1,507
XSY-HBDU150W	18.70 x 18.70 x 7.48	13.71	1	548	1,507
XSY-HBDU200W	18.70 x 18.70 x 7.48	17.26	1	548	1,507

Note: The packaging data can sometimes be outdated or incomplete. For the most reliable information, please reach out to us directly.