LED NSF HIGHBAY - DIAMOND SERIES

Introduction

- Diamond 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 Diamond 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.

Features

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).

Optics:

- LED chips support 3000k, 4000K, 5000K and 5700K with Ra80 for general light efficacy, Ra70 for high light efficacy
- Sealed optic available in 115° beam angle.

Finish:

- White is the standard for NSF certification.

Mounting:

- Support O hook (standard) or G hook (optional) for hanging installation. Safety hanging Kit is standard.

Compliances:

- NSF certified for food processing.
  cULus listed for wet locations, environment temperature from -40°C to 45°C.
- DLC® (DesignLights Consortium) Qualified.

Warranty:

- 5-year limited warranty.

Ordering Guide

EXAMPLE: X-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
X	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

Specification

Model	Wattage	Lumen @50K @Ra80	Lumen @50K @Ra70	CCT	Lens	Input voltage
XSY-HBDU80W-XXKAA-MZPT	80W	11680lm	/	30K 40K 50K 57K	115°	AC100-277V AC100-347V AC277-480V 50/60Hz
XSY-HBDU100W-XXKAA-MZPT	100W	14600lm	/			
XSY-HBDU150W-XXKAA-MZPT	150W	21900lm	/			
XSY-HBDU200W-XXKAA-MZPT	200W	29200lm	/			
XSY-HBDU80W-XXKAA-MZPT	80W	/	14560lm			AC100-277V 50/60Hz
XSY-HBDU100W-XXKAA-MZPT	100W	/	18200lm			
XSY-HBDU150W-XXKAA-MZPT	150W	/	27300lm			
XSY-HBDU200W-XXKAA-MZPT	200W	/	36400lm			

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

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

Glass or PC Lens
(Both of them meet NSF certificate)

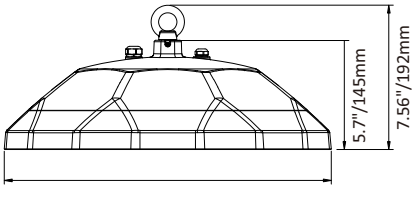
Efficacy
150LM/W
190LM/W

Sensor
Microwave sensor
(Max Installation Height: 8M/26FT)
Installed in the middle of Lens

Note: PC lens is recommended for NSF standard applications. Glass lens can be used where chemical cleaning is involved.

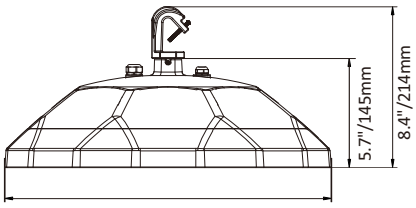
Dimensions

80W-200W



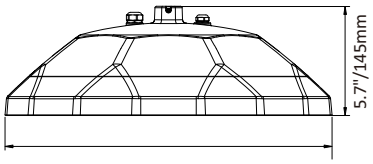
O Hook mounting

80W-200W



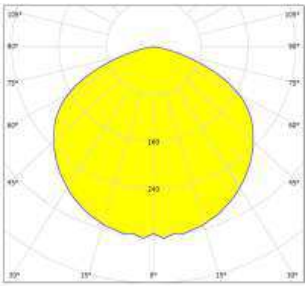
G Hook mounting

80W-200W



3/4'' NPS Pendant mounting

Photometric



Beam angle: 115°

Accessories

Remote controller

G Hook Mount

30W Emergency Battery Backup

Polycarbonate Refractor

Drop Lens

Electrical data

Input Voltage (V)	Wattage			
	80W	100W	150W	200W
	Current (A)	Current (A)	Current (A)	Current (A)
120V	0.67	0.83	1.25	1.67
208V	0.38	0.48	0.72	0.96
240V	0.33	0.42	0.63	0.83
277V	0.29	0.36	0.54	0.72
347V	0.23	0.29	0.43	0.58
480V	0.17	0.21	0.31	0.42