

## Introduction

- ◆ NSF series high bay light with a 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 custom.
- ◆ The NSF 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 AC120-277V

### 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. Please refer to the DLC website for specific product qualifications at [www.designlights.org](http://www.designlights.org).

### Warranty:

- ◆ 5-year limited warranty.

## 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        |

## Specification

| Model                   | Wattage | Lumen @50K @Ra80 | Lumen @50K @Ra70 | CCT                      | Lens | Input voltage                                     |
|-------------------------|---------|------------------|------------------|--------------------------|------|---|
| XSY-HBDU80W-XXKAA-MZPT  | 80W     | 11680lm          | /                | 30K<br>40K<br>50K<br>57K | 115° | AC120-277V<br>AC100-347V<br>AC277-480V<br>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<br>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;  
AC120-277V/AC100-347V/  
AC277-480V

**Efficacy**  
150LM/W  
190LM/W

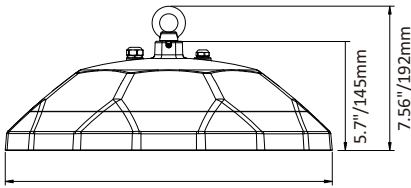
**Glass or PC Lens**  
(Both of them meet NSF certificate)

**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.

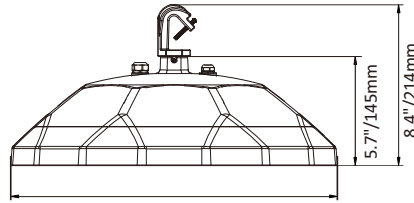
## Dimensions

80W-200W



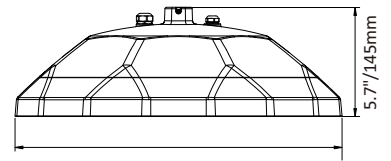
17.08"/434mm  
O Hook mounting

80W-200W



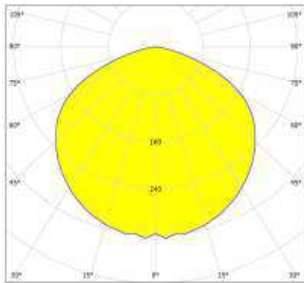
17.08"/434mm  
G Hook mounting

80W-200W



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

## Photometric



Beam angle: 115°

## Accessories



Remote controller



G Hook Mount



30W Emergency Battery Backup



Polycarbonate Refractor



Drop Lens