

# HBG SELECTABLE HIGH BAY

## LED Round High Bay with Selectable CCT and Lumen

### Introduction

- ◆ Available in three sizes, the HBG UFO high bay with the ability to switch lumens and adjust CCT in one fixture, making it versatile enough to handle countless applications.
- ◆ HBG provides 150lm/w (standard) and 170lm/w light efficacy options, which will assure the brightness meets the application and provides the amount of light you want and need for your area during install.
- ◆ Standard with 0-10V sensor port, for quick plug and play install sensor. The fixture is DLC LLLC listed also compatible with NLC system. Emergency battery backup is available.
- ◆ IP65 rated products, suitable for commercial and industrial: Warehouses and storage, Industrial facilities, Retail centers, Manufacturing, Sports facilities and Gymnasiums.

### Product Specifications

#### Construction:

- ◆ Die-casting aluminum housing and heatsink for added durability.

#### Electrical:

- ◆ 0-10v dimmable driver, which can dim from 100% down to off.
- ◆ The Input voltage is AC120-277V/AC120-347V/AC277-480V (50/60Hz).
- ◆ All models are designed to withstand up to L/N-PE: 6kV, L-N: 6kV surge.
- ◆ Flicker-free.
- ◆ 5ft (59") long power and 1ft (12") long dimming cord provided for easier installation.

#### Finish:

- ◆ Black color is standard, White and customized color are available.

#### Optics:

- ◆ Selectable CCT 4000K or 5000K (Default setting), CRI >80.
- ◆ Three distributions are available, Narrow, Medium (Standard) and Wide.

### Ordering Guide

| Wattage<br>XXXWS                                                                                                                                          | CCT<br>XXX                                                            | Input Voltage<br>AA                             | Sensor<br>X                                                                          | Efficacy<br>Y                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------|
| 150WS=150W/100W/80W<br>200WS=200W/150W/100W<br>240WS=240W/200W/150W<br>240WS4=240W/200W/150W/100W<br>320WS=320W/240W/200W<br>Note: WS=Wattages Selectable | 40K=4000K<br>50K=5000K<br>CSD=4000K/5000K<br>Note: CSD=CCT Selectable | UV=120-277Vac<br>LV=120-347Vac<br>HV=277-480Vac | S=Sensor<br>BS=Networking Wireless<br>Control version Sensor<br>Blank=without Sensor | G=General light efficacy<br>H=High light efficacy |



150WS  
200WS  
Wattage  
Selectable

4000K 5000K  
CCT SELECTABLE



240WS  
240WS4  
Wattage  
Selectable



320WS  
Wattage  
Selectable



#### Mounting:

- ◆ It comes standard with the G hook. The O hook, U bracket, and 3/4" NPS Threaded Pendant mount adapter are available. Safety Hanging kit is optional.

#### Ambient Temperature:

- ◆ -40° F (-40° C) to 122° F (50° C)

# Performance Data

## General Efficacy

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

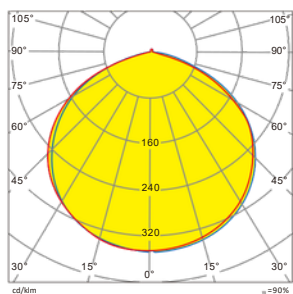
| Lumen Level | Wattage Selectable | Nominal CCT | CCT Selectable | Lumens | Watts | LPW | CRI |
|-------------|--------------------|-------------|----------------|--------|-------|-----|-----|
| 1           | Yes                | 4000        | Yes            | 13,550 | 80    | 169 | >80 |
|             |                    | 5000        |                | 13,200 | 80    | 165 |     |
| 2           |                    | 4000        |                | 16,350 | 100   | 164 |     |
|             |                    | 5000        |                | 15,950 | 100   | 160 |     |
| 3           | Yes                | 4000        | Yes            | 23,250 | 150   | 155 | >80 |
|             |                    | 5000        |                | 22,650 | 150   | 151 |     |
| 1           |                    | 4000        |                | 16,700 | 100   | 167 |     |
|             |                    | 5000        |                | 16,350 | 100   | 164 |     |
| 2           | Yes                | 4000        | Yes            | 24,000 | 150   | 160 | >80 |
|             |                    | 5000        |                | 23,500 | 150   | 157 |     |
| 3           |                    | 4000        |                | 30,900 | 200   | 155 |     |
|             |                    | 5000        |                | 30,200 | 200   | 151 |     |
| 1           | Yes                | 4000        | Yes            | 25,300 | 150   | 169 | >80 |
|             |                    | 5000        |                | 24,500 | 150   | 164 |     |
| 2           |                    | 4000        |                | 31,800 | 200   | 159 |     |
|             |                    | 5000        |                | 30,800 | 200   | 154 |     |
| 3           | Yes                | 4000        | Yes            | 37,450 | 240   | 156 | >80 |
|             |                    | 5000        |                | 36,240 | 240   | 151 |     |
| 1           |                    | 4000        |                | 17,300 | 100   | 173 |     |
|             |                    | 5000        |                | 16,750 | 100   | 168 |     |
| 2           | Yes                | 4000        | Yes            | 25,300 | 150   | 169 | >80 |
|             |                    | 5000        |                | 24,500 | 150   | 164 |     |
| 3           |                    | 4000        |                | 31,800 | 200   | 159 |     |
|             |                    | 5000        |                | 30,800 | 200   | 154 |     |
| 4           | Yes                | 4000        | Yes            | 37,450 | 240   | 156 | >80 |
|             |                    | 5000        |                | 36,240 | 240   | 151 |     |
| 1           |                    | 4000        |                | 34,150 | 200   | 171 |     |
|             |                    | 5000        |                | 33,100 | 200   | 166 |     |
| 2           | Yes                | 4000        | Yes            | 39,100 | 240   | 163 | >80 |
|             |                    | 5000        |                | 37,900 | 240   | 158 |     |
| 3           |                    | 4000        |                | 49,900 | 320   | 156 |     |
|             |                    | 5000        |                | 48,320 | 320   | 151 |     |
| 1           | Yes                | 4000        | No             | 12,950 | 80    | 162 | >80 |
|             |                    | 5000        |                | 13,050 | 80    | 163 |     |
| 2           |                    | 4000        |                | 15,600 | 100   | 156 |     |
|             |                    | 5000        |                | 15,700 | 100   | 157 |     |
| 3           | Yes                | 4000        | No             | 22,650 | 150   | 151 | >80 |
|             |                    | 5000        |                | 22,800 | 150   | 152 |     |
| 1           |                    | 4000        |                | 16,600 | 100   | 166 |     |
|             |                    | 5000        |                | 16,800 | 100   | 168 |     |
| 2           | Yes                | 4000        | No             | 23,950 | 150   | 160 | >80 |
|             |                    | 5000        |                | 24,300 | 150   | 162 |     |
| 3           |                    | 4000        |                | 30,400 | 200   | 152 |     |
|             |                    | 5000        |                | 30,800 | 200   | 154 |     |
| 1           | Yes                | 4000        | No             | 24,500 | 150   | 164 | >80 |
|             |                    | 5000        |                | 24,650 | 150   | 165 |     |
| 2           |                    | 4000        |                | 31,150 | 200   | 156 |     |
|             |                    | 5000        |                | 31,350 | 200   | 157 |     |
| 3           | Yes                | 4000        | No             | 36,240 | 240   | 151 | >80 |
|             |                    | 5000        |                | 36,480 | 240   | 152 |     |
| 1           |                    | 4000        |                | 16,600 | 100   | 166 |     |
|             |                    | 5000        |                | 16,800 | 100   | 168 |     |
| 2           | Yes                | 4000        | No             | 24,200 | 150   | 162 | >80 |
|             |                    | 5000        |                | 24,500 | 150   | 164 |     |
| 3           |                    | 4000        |                | 31,350 | 200   | 157 |     |
|             |                    | 5000        |                | 31,750 | 200   | 159 |     |
| 4           | Yes                | 4000        | No             | 36,480 | 240   | 152 | >80 |
|             |                    | 5000        |                | 36,960 | 240   | 154 |     |
| 1           |                    | 4000        |                | 32,650 | 200   | 164 |     |
|             |                    | 5000        |                | 33,300 | 200   | 167 |     |
| 2           | Yes                | 4000        | No             | 38,450 | 240   | 161 | >80 |
|             |                    | 5000        |                | 39,200 | 240   | 164 |     |
| 3           |                    | 4000        |                | 48,320 | 320   | 151 |     |
|             |                    | 5000        |                | 49,280 | 320   | 154 |     |

## High Efficacy

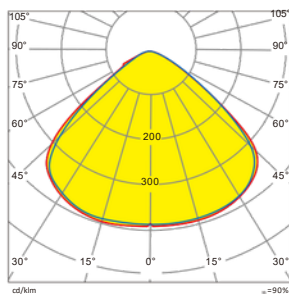
Lumen values are based on 120V AC input product configuration, contact for performance data on any configurations not shown here.

| Lumen Level | Wa age Selectable | Nominal CCT | CCT Selectable | Lumens | Watts | LPW | CRI |
|-------------|-------------------|-------------|----------------|--------|-------|-----|-----|
| 1           | Yes               | 4000        | No             | 14,700 | 80    | 184 | >80 |
|             |                   | 5000        |                | 14,900 | 80    | 186 |     |
| 2           |                   | 4000        |                | 17,700 | 100   | 177 |     |
|             |                   | 5000        |                | 17,900 | 100   | 179 |     |
| 3           |                   | 4000        |                | 25,500 | 150   | 170 |     |
|             |                   | 5000        |                | 25,800 | 150   | 172 |     |
| 1           | Yes               | 4000        | No             | 18,200 | 100   | 182 | >80 |
|             |                   | 5000        |                | 18,450 | 100   | 185 |     |
| 2           |                   | 4000        |                | 26,300 | 150   | 176 |     |
|             |                   | 5000        |                | 26,600 | 150   | 178 |     |
| 3           |                   | 4000        |                | 34,000 | 200   | 170 |     |
|             |                   | 5000        |                | 34,400 | 200   | 172 |     |
| 1           | Yes               | 4000        | No             | 27,050 | 150   | 181 | >80 |
|             |                   | 5000        |                | 27,350 | 150   | 183 |     |
| 2           |                   | 4000        |                | 34,700 | 200   | 174 |     |
|             |                   | 5000        |                | 35,100 | 200   | 176 |     |
| 3           |                   | 4000        |                | 40,800 | 240   | 170 |     |
|             |                   | 5000        |                | 41,280 | 240   | 172 |     |
| 1           | Yes               | 4000        | No             | 18,400 | 100   | 184 | >80 |
|             |                   | 5000        |                | 18,600 | 100   | 186 |     |
| 2           |                   | 4000        |                | 27,050 | 150   | 181 |     |
|             |                   | 5000        |                | 27,350 | 150   | 183 |     |
| 3           |                   | 4000        |                | 35,050 | 200   | 176 |     |
|             |                   | 5000        |                | 35,450 | 200   | 178 |     |
| 4           | Yes               | 4000        | No             | 40,800 | 240   | 170 | >80 |
|             |                   | 5000        |                | 41,280 | 240   | 172 |     |
| 1           |                   | 4000        |                | 35,700 | 200   | 179 |     |
|             |                   | 5000        |                | 35,700 | 200   | 179 |     |
| 2           |                   | 4000        |                | 41,650 | 240   | 174 |     |
|             |                   | 5000        |                | 41,650 | 240   | 174 |     |
| 3           | Yes               | 4000        | No             | 54,400 | 320   | 170 | >80 |
|             |                   | 5000        |                | 54,400 | 320   | 170 |     |

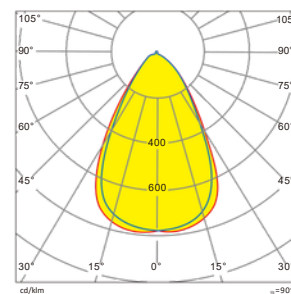
## Photometrics



Wide



Medium (Standard)



Narrow

## Power Selection And CCT Selection Capability



1 2 3

4000K 5000K

### Power Se ng

| Size   | Power Selection                       | Default Setting |
|--------|---------------------------------------|-----------------|
| Small  | Adjust power between 150/100/80W      | 150W            |
|        | Adjust power between 200/150/100W     | 200W            |
| Medium | Adjust power between 240/200/150W     | 240W            |
|        | Adjust power between 240/200/150/100W | 240W            |
| Large  | Adjust power between 320/240/200W     | 320W            |

### CCT Se ng

Adjust CCT between 4000/5000K, 5000K default se ng.

# Accessories

## Sensor

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

|                                                                                   |                     |                                                                                   |                                                              |
|-----------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------|
|  | Screw-in PIR Sensor |  | Screw-in PIR Sensor<br>(Networking Wireless Control Version) |
|-----------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------|

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

|                                                                                   |                |
|-----------------------------------------------------------------------------------|----------------|
|  | Remote Control |
|-----------------------------------------------------------------------------------|----------------|

## Adapter

Field-Installable (field-installable purchased separately)

|                                                                                   |                                                 |
|-----------------------------------------------------------------------------------|-------------------------------------------------|
|  | Zhaga Adapter<br>for 3-pin Reverse to Z10 Zhaga |
|-----------------------------------------------------------------------------------|-------------------------------------------------|

## Emergency Battery Backup

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

|                                                                                     |                                                                                             |                                                                                     |                                                                                                  |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
|  | Emergency Battery Backup EMUFO-25170-YY II -25W/90min,<br>for XHBG150WS, at AC120-277/347V  |  | Emergency Battery Backup EMUFO-40170-YY II -40W/90min,<br>for XHBG200WS~320WS, at AC120-277/347V |
|  | Emergency Battery Backup EMUFO-40500DI-YY -40W/90min,<br>for XHBG150WS~320WS, at AC277-480V |                                                                                     |                                                                                                  |

## Mounts and Brackets

Field-Installable (field-installable purchased separately)

|                                                                                                                  |                                                                                            |                                                                                                                  |                                                                                     |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                               | Small Size U Bracket<br>for XHBG150WS~320WS                                                |                               | 0.3m Safety Rope                                                                    |
|  | External Threads M10 to External Threads 3/4"NPS<br>Adapter Wiring<br>for XHBG150WS~240WS4 |  | External Threads M12 to External Threads 3/4"NPS<br>Adapter Wiring<br>for XHBG320WS |
|                               | 0.5m Stainless Steel Hang Chains with 2pcs Carabiner                                       |                                                                                                                  |                                                                                     |

## Reflector

Field-Installable (field-installable purchased separately)

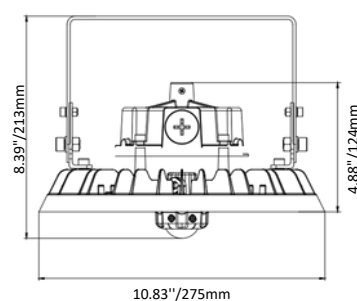
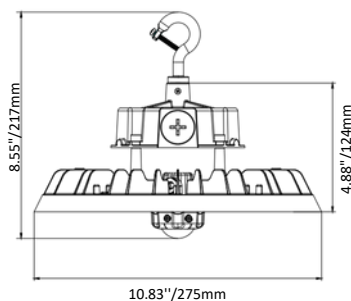
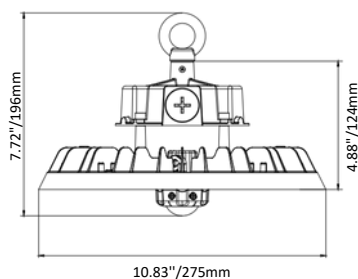
|                                                                                                                                                 |                                                                        |                                                                                                                                                                          |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  | Smaller Size (12.20x5.04") Polycarbonate Refractor for XHBG100WS~200WS |  | Smaller Size (12.20x6.14") Polycarbonate Refractor with Drop Lens for XHBG100WS~200WS |
|        | Small Size (16.22x5.91") Polycarbonate Refractor for XHBG240WS         |        | Small Size (16.22x7.36") Polycarbonate Refractor with Drop Lens for XHBG240WS         |
|        | Large Size (16.22x5.71") Polycarbonate Refractor for XHBG320WS         |        | Large Size (16.22x7.17") Polycarbonate Refractor with Drop Lens for XHBG320WS         |

## Electrical Data

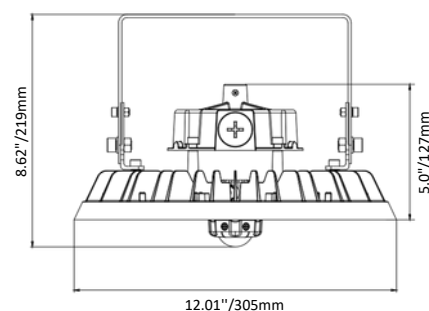
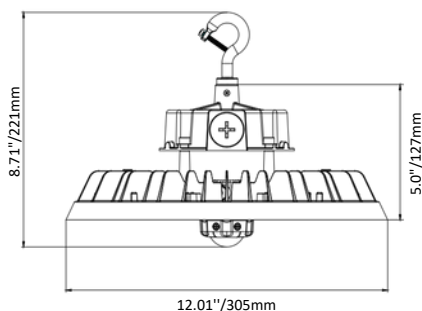
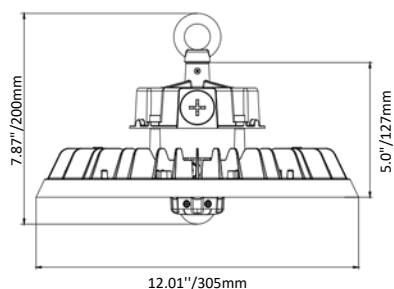
| Wattage(W) | Current (A)       |      |      |      |      |      |
|------------|-------------------|------|------|------|------|------|
|            | Input Voltage (V) |      |      |      |      |      |
|            | 120               | 208  | 240  | 277  | 347  | 480  |
| 80         | 0.74              | 0.43 | 0.37 | 0.32 | 0.26 | 0.19 |
| 100        | 0.93              | 0.53 | 0.46 | 0.40 | 0.32 | 0.23 |
| 150        | 1.39              | 0.80 | 0.69 | 0.60 | 0.48 | 0.35 |
| 100        | 0.93              | 0.53 | 0.46 | 0.40 | 0.32 | 0.23 |
| 150        | 1.39              | 0.80 | 0.69 | 0.60 | 0.48 | 0.35 |
| 200        | 1.85              | 1.07 | 0.93 | 0.80 | 0.64 | 0.46 |
| 150        | 1.39              | 0.80 | 0.69 | 0.60 | 0.48 | 0.35 |
| 200        | 1.85              | 1.07 | 0.93 | 0.80 | 0.64 | 0.46 |
| 240        | 2.22              | 1.28 | 1.11 | 0.96 | 0.77 | 0.56 |
| 100        | 0.93              | 0.53 | 0.46 | 0.40 | N.A  | N.A  |
| 150        | 1.39              | 0.80 | 0.69 | 0.60 | N.A  | N.A  |
| 200        | 1.85              | 1.07 | 0.93 | 0.80 | N.A  | N.A  |
| 240        | 2.22              | 1.28 | 1.11 | 0.96 | N.A  | N.A  |
| 200        | 1.85              | 1.07 | 0.93 | 0.80 | 0.64 | 0.46 |
| 240        | 2.22              | 1.28 | 1.11 | 0.96 | 0.77 | 0.56 |
| 320        | 2.96              | 1.71 | 1.48 | 1.28 | 1.02 | 0.74 |

## Dimensions

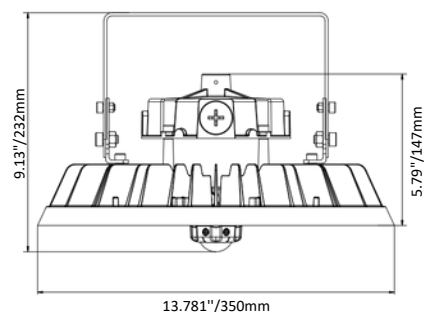
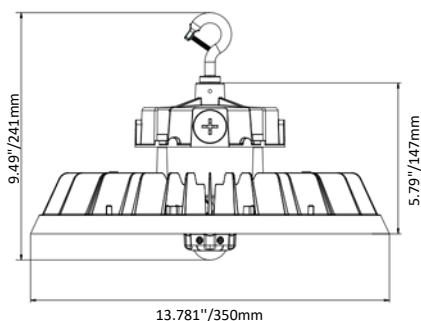
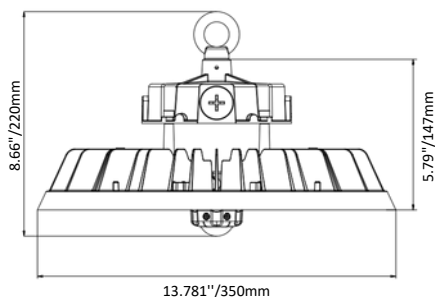
### 150WS, 200WS



## 240WS, 240WS4



## 320WS



## Shipping Information

| Carton Size (in)     | G.W. (lbs) | Per carton (pcs) | 20GP (pcs) | 40HQ (pcs) |
|----------------------|------------|------------------|------------|------------|
| 12.99 x 12.99 x 6.50 | 5.73       | 1                | 1,296      | 3,565      |
| 12.99 x 12.99 x 6.50 | 5.73       | 1                | 1,296      | 3,565      |
| 14.17 x 14.17 x 6.50 | 7.08       | 1                | 1,089      | 2,995      |
| 14.17 x 14.17 x 6.50 | 7.08       | 1                | 1,089      | 2,995      |
| 15.91 x 15.91 x 7.09 | 10.36      | 1                | 793        | 2,181      |

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