# tgs
## TRULY GREEN SOLUTIONS

**BUY AMERICAN ACT COMPLIANT**

## CHB-P™ | Circular High Bay

## DESCRIPTION

The CHB-P™ SERIES circular high bay is a durable, heavy-duty construction. It is a high performance and efficient LED fixture that provides a robust solution for high ceiling applications, especially warehouse spaces. CHB-P™ delivers high output and quality illumination. It improves warehouse safety and productivity, lower maintenance cost, and reducing operating costs.

## APPLICATIONS

Commercial, Retail, Institution, Warehouse, and Industrial

c(UL)us LISTED

DLC QPL LISTED

Not all products are qualified on the DLC® QPL. To view our DLC® qualified products, please consult the DLC® Qualified Products List at www.designlights.org/qpl.

FC

5 YEAR WARRANTY

### CHB-P™

150W (20,250 lm)
200W (27,000 lm)
240W (32,000 lm)
300W (40,500 lm)

## FEATURES

**Projected L70: 100,000+ hours**
**Warranty: 5 Years**
**System Efficacy: 135 LpW**
**1-10V Dimming**

### Construction
Rugged, die-cast housing with advanced thermal management system ensures reliability and durability.
IK10: Protected against mechanical impact of 20 joule.
Available in Black and White Finish.

### Electrical
Input voltage: 100-277VAC or 240-480VAC (Optional).
Driver compliant to FCC 47 CFR Part 15b.
6kV surge protection included & 10kV surge protection (Optional).
Emergency battery backup (480V only) option available (Factory Installed).
40W Emergency Inverter (Field Installed). [120-277V/Black Finish only]
6 ft [14/3, SOW (600V)/16/3, SJOW (300V)] rated power cable included.

### Optical System
Tempered glass lens provides a 120° beam angle.
Optional PC Optics available in 60° or 90°.
Optional PC or Aluminum reflectors available in 60° or 90°.

### Installation/ Mounting
Hanging Hook Mount (Standard), Surface Mount Kit, and Pendant Mount Kit (3/4") [Stem not included]

### Warranty
5 Year Warranty.
Optional 7/10 Year Warranty Available
*See warranty documentation for more information.*

### Controls/Dimming
1-10V Dimming comes standard.
Bi-level Occupancy/Daylight Harvesting sensor option available.

IP65 — IP65

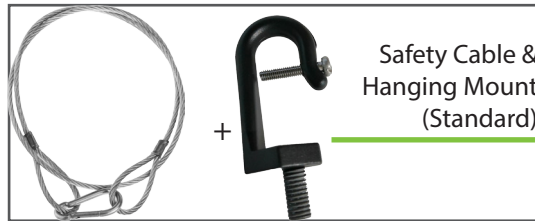IK10 — IK10

1-10V — 1-10V Dimming

Motion Sensor (IP65) Option

480V — 480V Option

Die-cast Aluminum Construction

+ Safety Cable & Hanging Mount (Standard)

## 🍃 Ordering Information

**EXAMPLE: CHB-P-150W-50K-WD-U-D-B-HM**

| Series | Wattage | CCT | Beam Angle | Input Voltage | Dimming | Finish | Mounting Options | Controls Options | Emergency Battery | BAA |
|---|---|---|---|---|---|---|---|---|---|---|
| CHB-P | 150W 200W 240W 300W | 40K - 4000K 50K - 5000K | WD - 120° | U - 100-277VAC H - 240-480VAC | D - 1-10V Dimming | B - Black *W - White | HM - Hanging Mount (Standard) PM - 3/4" Pendant Mount Kit SM - Surface Mount Kit | M - Bi-level Occupancy/ Daylight Harvesting Sensor (IP65) | EM - Emergency Battery Backup (480V Only) | BAA |

| Accessories | Distibution Options |
|---|---|
| CHB-P-WG-B (Black - Wire Guard) | CHB-P-AM (Alum. 90° Reflector) |
| CHB-P-WG-W (White - Wire Guard | CHB-P-AN (Alum. 60° Reflector) |
| L7-15 (NEMA Twist Lock Plug [120-277V, 15Amp]) | CHB-P-PM -16 (PC 90° Reflector) |
| L7-20 (NEMA Twist Lock Plug [120-277V, 20Amp]) | CHB-P-PN-16  (PC 60° Reflector) |
| CHB-P-SP (10kV Surge Protector) | CHB-P-LC (PC Reflector Lens Cover) |
| WP-EWG-040U (40W Emergency Inverter) | CHB-P-MD (Medium Distribution - 90°) |
| SAFETY-SS-10FT (10' Safety Cable) | CHB-P-ND (Narrow Distribution - 60°) |

**Specifications and Dimensions subject to change without notice.**
**\*MOQ and longer lead times may apply, please contact customer service for more information.**

Optional accessories and distribution are purchased separately.

## Performance Information

| | |
|---|---|
| Input Voltage | 120-277VAC, 240-480VAC |
| Input Frequency | 50/60Hz |
| Wattage | See Performance Table |
| Delivered Lumens | See Performance Table |
| Efficacy | See Performance Table |
| CRI | >80 |
| Available CCT | 4000K, 5000K |
| Projected L70 | 100,000+ hours |
| Power Factor | >0.9 |
| THD | <20% |
| Dimming | 1-10V |
| Operating Temp. | -40º~122ºF |
| IP Rating | IP65 |

## Photometric Data

**\* IESNA LM-63 IES Available**



UNIT: cd
C0/1 80,1 15.3 deg
C30/21 0, 115. 3deg
C60/24 0, 115. 3deg
C90/27 0, 115. 3deg

AVERAGE BEAM ANGLE (50%): 115.3 DEG
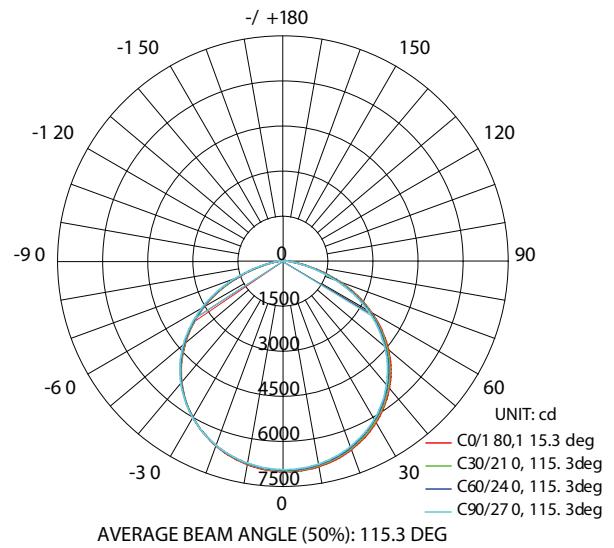
## Performance Table

| SKU | Wattage (W) | 5000K | |
|---|---|---|---|
| | | Delivered Lumens (lm) | Efficacy (lm/W) |
| CHB-P-150W-50K-WD-U-D-B-HM-BAA | 150 | 19500 | 128 |
| CHB-P-200W-50K-WD-U-D-B-HM-BAA | 200 | 27000 | 135 |
| CHB-P-240W-50K-WD-U-D-B-HM-BAA | 240 | 31200 | 130 |
| CHB-P-300W-50K-WD-U-D-B-HM-BAA | 300 | 39000 | 130 |

## Product Dimensions

### 150W



5.89"

Weight: 10 lbs.

ø12.59"

### 200W/240W



5.94"

Weight: 12 lbs.

ø12.59"

### 300W



6.59"

Weight: 14 lbs.

ø12.59"

9601 Variel Ave I Chatsworth, CA 91311 I Ph: (818) 206-4404 I trulygreensolutions.com
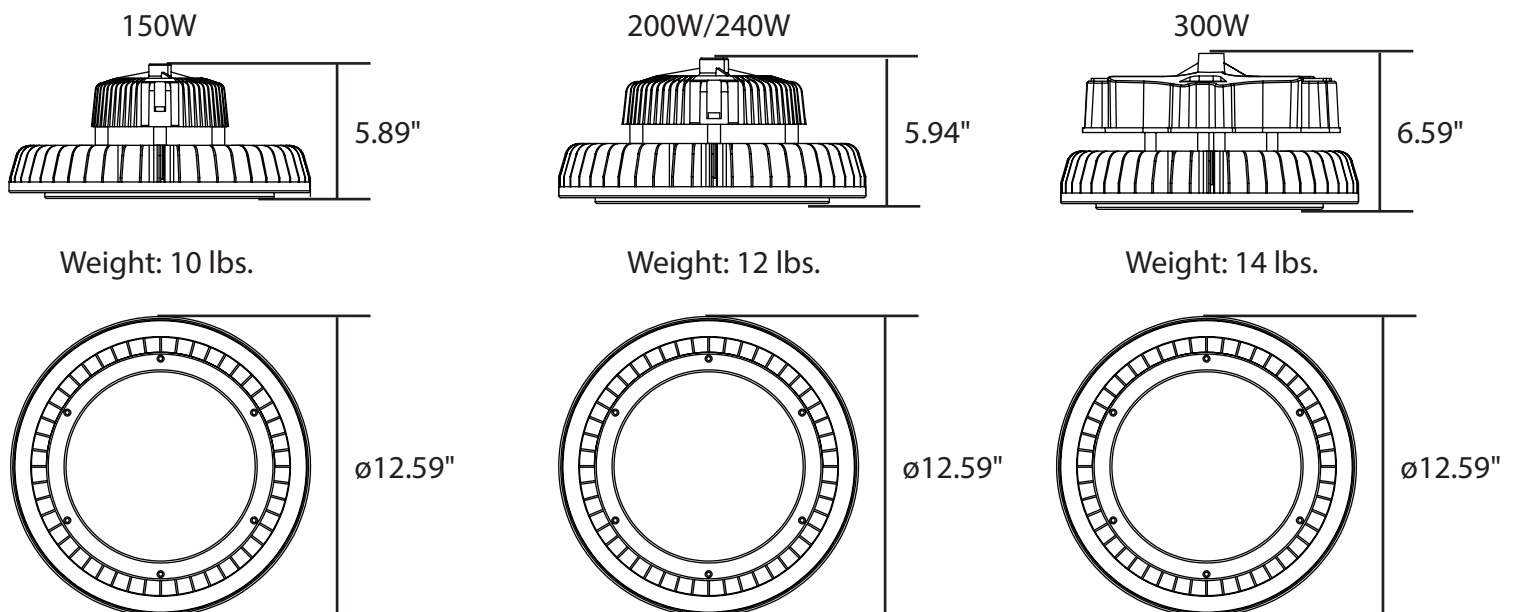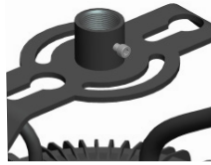
## Accessories

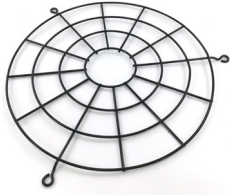Surface Mount Bracket
[SM]

3/4" Thread
Pendant Mount
(Stem Not Included)
[PM]

Bi-level Occupancy/
Daylight Harvesting
Sensor (IP65)
[M]

Optical Lens Distribution
(Available in 90° or 60°)
[CHB-P-MD or CHB-P-ND]

Wire Guard
(Black or White Finish)
(Cannot be used with Reflectors)
[CHB-P-WG-B, CHB-P-WG-W]

Aluminum Reflectors
(Available in 60° or 90°)
[CHB-P-AN or CHB-P-AM]

PC Reflectors 16" dia.
(Available in 60° or 90°)
[CHB-P-PN or CHB-P-PM]

PC Reflectors Lens Cover
CHB-P-LC

NEMA Twist Lock Plug
[L7-15 or L7-20]

Emergency Battery
Backup Driver
(480V Only & Factory Installed)
[EM]

40W Emergency Inverter
(120-277V/Black Finish Only)
[WP-EWG-040U]

10' Safety Cable
(Optional)
[ SAFETY-SS-10FT]

## Control Pre-Commissioning

**Default settings are indicated by ***

| High-End Trim/Tuning | Time Delay | Daylight Harvesting | Stand-by Light Level Setting | Stand-by Time Setting |
|---|---|---|---|---|
| 20% - 8' height (48' dia.) | 10s | *Light sensor disabled | 0% | ∞ |
| 50% - 20' height (40' dia.) | 1min | 10lux | *10% | 1min |
| 75% - 40' height (60' dia.) | *5min | 30lux | 30% | 30min |
| *100% - 40' height (100' dia) | 15min | 50lux | 50% | *60min |

**High-End Trim/Tuning:**
Lighting electricity usage can be reduced by 30 percent or more through high-end trim, which sets the maximum light level for each space. High-end trim/tuning sets the appropriate target brightness for each space to the prefer light levels to minimize glare and increase comfort level.

**Time Delay:**
The light can be set to stay ON for any period of time between approx. 10sec and the maximum of 60 min. Any movement detected before this time elapses will re-start the timer.

**Daylight Harvesting:**
The chosen light response threshold can be infinitely from approx. 10-50lux.

**Standy-by Light Level:**
How much light is dimmed when no motion is detected.

**Stand-by Time:**
How much time after dimming will the light will shut off. Up to 60 minutes after the light has dimmed the light will shut off.