

## LED Round High Bay



Nothing But LEDs Round High Bay Light is one of the most feature rich products of 2021. This product is designed to maximize light output with efficacy up to 145 Lumens per Watt. Swingline LED Round High Bay is built to last with standard 4kv surge protection, 45° Ambient temperature rating, and IP65 rating for elimination of dust, moisture, and airborne contaminants. The Swingline LED Round High Bay can be integrated with feedback control systems. The unique easy connect driver to optical assembly interface allows quick and easy maintenance for applications including warehousing, gymnasiums, manufacturing, and outdoor canopies.

### Product Features

- Operating temperature: -40°C to 55°C
- Up to 145 Lumens per Watt efficacy
- 0-10V Dimming capability
- Ultra-thin sleek design
- Plug and play motion sensor
- Several optional mounting options
- Integral LED driver, eliminates the need for an external driver or ballast
- Complies with UL safety regulations and is DLC listed
- This product is IP65 rated, water, dust, corrosion, and pressure proof
- Spotless soft light without shadow
- Optional Emergency backup
- Lumileds or Samsung chip with high CRI
- Universal 100-277Vac / 480Vac optional
- No UV or IR in the beam
- Environment friendly with no mercury
- Energy saving with long lifespan

**Optional  
200W / 240W U-Bracket**




**Optional  
100W / 150W U-Bracket**



**Optional  
Motion Sensor**



**Optional  
Motion Sensor Remote**



\$20.00

**Motion Sensor Bracket**



Free w/ Motion Sensor

Model #	Watts	Lumens	CCT	Housing Color	Input Voltage	Certification
BLT-HB08-100WRBCPD1-abcd	100W	14500LM	5000K	White	100-277Vac	UL & DLC
BLT-HB08-240WRBCPD1-abcd	240W	34800LM	5000K	White	100-277Vac	UL & DLC
BLT-HB08-200WRBCPD1-BH50	240W	34800LM	5000K	Black	100-277Vac	UL & DLC
U Bracket	240W	-	-	-	-	-
U Bracket	100W	-	-	-	-	-
Optional Motion Sensor	-	-	-	-	-	-
Motion Sensor Remote	-	-	-	-	-	-
Motion Sensor Bracket	-	-	-	-	-	-

## Specifications

Parameter	Description	Value
<b>General Performance</b>	Model #	BLT-HB08-100WRBCPD1-abcd
	Wattage	100W
	Lumen	Up to 14500LM
	Lumen Efficacy	Up to 145LM/W
	Color Temperature	5000K
	CRI (Ra)	>80
	Viewing Angle	110 Degree
	Cover	Clear PC
<b>Electrical</b>	Input Voltage	100-277Vac
	Frequency	50/60Hz
	Dimming	0-10V dimming standard
	PF	≥0.9
	Flicker Percent	<5%
<b>Physical</b>	Operating Temperature	-40°C TO 55°C
	Storage Temperature	-40°C TO 80°C
	Operating Humidity	10% - 90% RH
	Storage Humidity	10% - 95% RH
	LED Brand	Lumileds
	LED Type	SMD2835
	LED QTY	280PCS
	Housing	Aluminium
	Housing Color	White
<b>Qualification</b>	IP Rating	IP65
	Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25°C

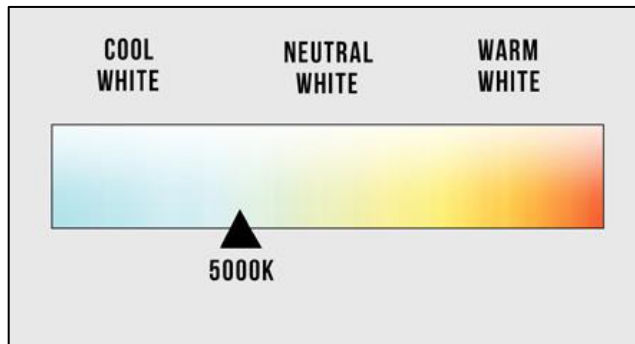
## Specifications

Parameter	Description	Value
<b>General Performance</b>	Model #	BLT-HB08-240WRBCPD1-abcd
	Wattage	240W
	Lumen	Up to 34800LM
	Lumen Efficacy	Up to 145LM/W
	Color Temperature	5000K
	CRI (Ra)	>80
	Viewing Angle	110 Degree
	Cover	Clear PC
<b>Electrical</b>	Input Voltage	100-277Vac
	Frequency	50/60Hz
	Dimming	0-10V dimming standard
	PF	≥0.9
	Flicker Percent	<5%
<b>Physical</b>	Operating Temperature	-40°C TO 50°C
	Storage Temperature	-40°C TO 80°C
	Operating Humidity	10% - 90% RH
	Storage Humidity	10% - 95% RH
	LED Brand	Lumileds
	LED Type	SMD2835
	LED QTY	680PCS
	Housing	Aluminium
	Housing Color	White
<b>Qualification</b>	IP Rating	IP65
	Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25°C

## Specifications

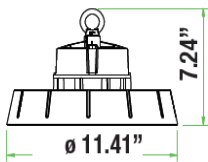
Parameter	Description	Value
<b>General Performance</b>	Model #	BLT-HB08-200WRBCPD1-BH50
	Wattage	240W
	Lumen	Up to 34800LM
	Lumen Efficacy	Up to 145LM/W
	Color Temperature	5000K
	CRI (Ra)	>80
	Viewing Angle	110 Degree
	Cover	Clear PC
<b>Electrical</b>	Input Voltage	100-277Vac
	Frequency	50/60Hz
	Dimming	0-10V dimming standard
	PF	≥0.9
	Flicker Percent	<5%
<b>Physical</b>	Operating Temperature	-40°C TO 50°C
	Storage Temperature	-40°C TO 80°C
	Operating Humidity	10% - 90% RH
	Storage Humidity	10% - 95% RH
	LED Brand	Lumileds
	LED Type	SMD2835
	LED QTY	680PCS
	Housing	Aluminium
	Housing Color	Black
<b>Qualification</b>	IP Rating	IP65
	Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25°C

## Correlated Color Temperature (CCT)

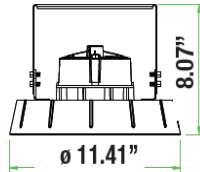


## Dimensions

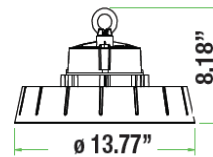
100W / 150W  
Hook Mounted



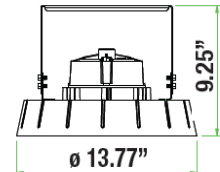
100W / 150W  
Surface Mounted



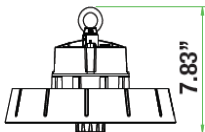
240W  
Hook Mounted



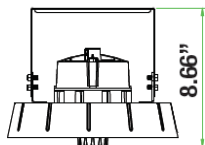
240W  
Surface Mounted



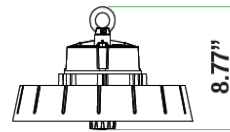
100W / 150W  
Hook Mounted  
with optional Motion Sensor



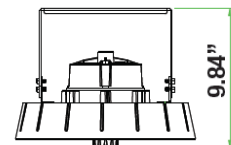
100W / 150W  
Surface Mounted  
with optional Motion Sensor



240W  
Hook Mounted  
with optional Motion Sensor



240W  
Surface Mounted  
with optional Motion Sensor

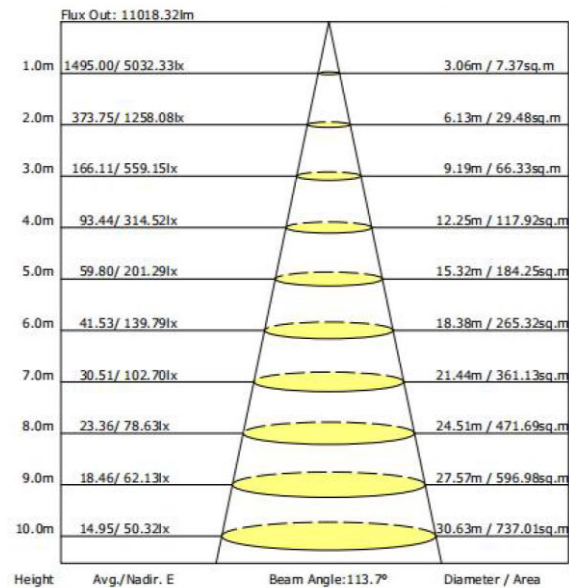
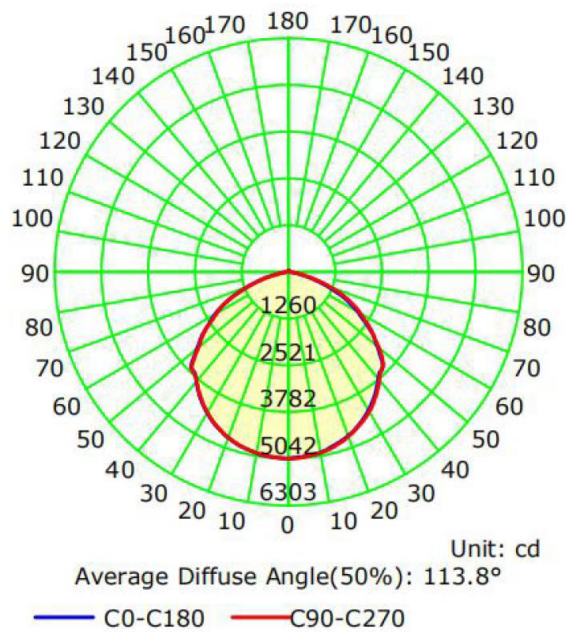


## Photometric Data

IES Classification: Type II  
 Total Rated Lamp Lumens: 14281.9 lm  
 Efficiency: 100%  
 Upward Ratio: 1%  
 Central Intensity: 5032.33 cd  
 Pos of Max. Intensity: H90 V1

Longitudinal Classification: Very Short  
 Measurement Flux: 14281.9 lm  
 Downward Ratio: 99%  
 Luminaire Efficacy Rating (LER): 142.92  
 Max. Intensity: 5042.85 cd

## Luminous Intensity Distribution Curve & Illuminance at a Distance

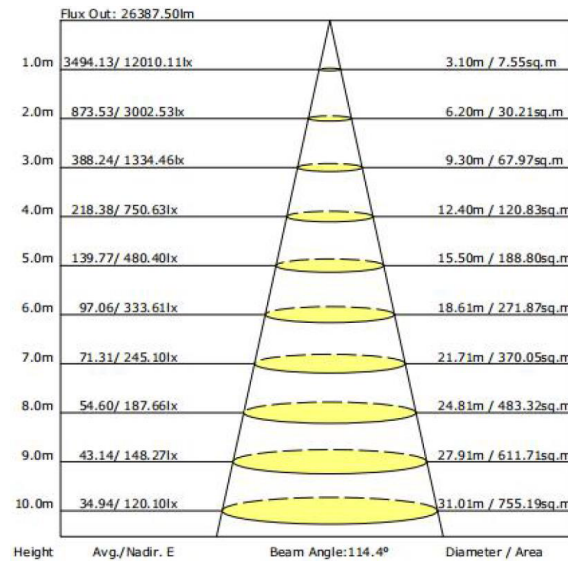
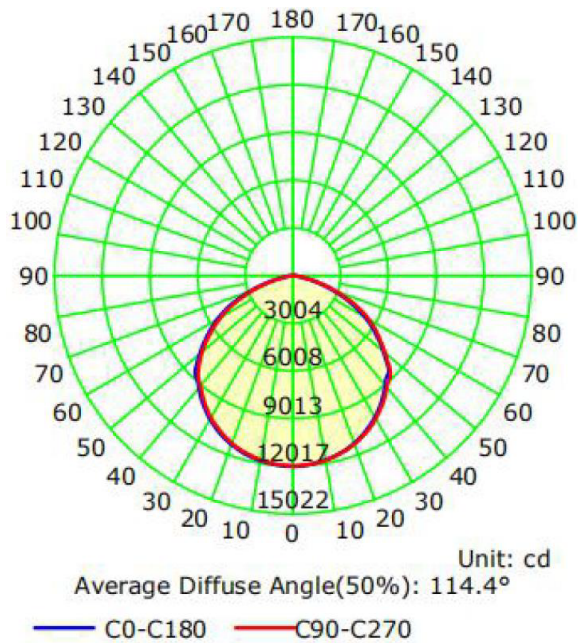


## Photometric Data

IES Classification: Type II  
 Total Rated Lamp Lumens: 33876.0 lm  
 Efficiency: 100%  
 Upward Ratio: 0%  
 Central Intensity: 12010.11 cd  
 Pos of Max. Intensity: H22.5 V1

Longitudinal Classification: Very Short  
 Measurement Flux: 33876 lm  
 Downward Ratio: 100%  
 Luminaire Efficacy Rating (LER): 143.51  
 Max. Intensity: 12017.89 cd

## Luminous Intensity Distribution Curve & Illuminance at a Distance



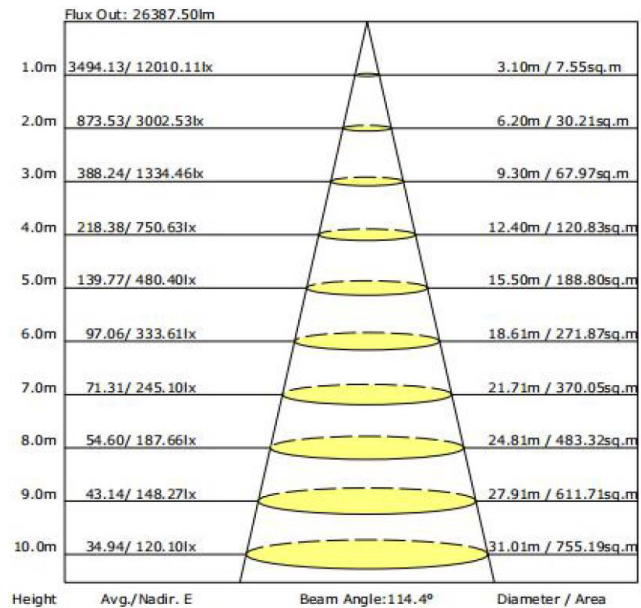
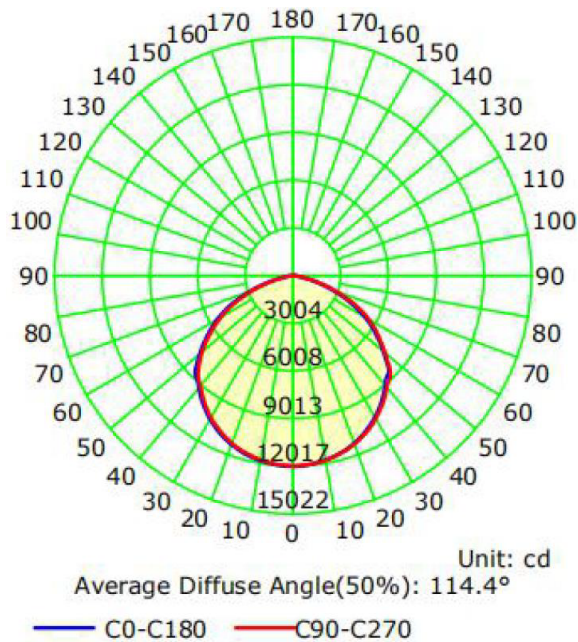


## Photometric Data

IES Classification: Type II  
 Total Rated Lamp Lumens: 33876.0 lm  
 Efficiency: 100%  
 Upward Ratio: 0%  
 Central Intensity: 12010.11 cd  
 Pos of Max. Intensity: H22.5 V1

Longitudinal Classification: Very Short  
 Measurement Flux: 33876 lm  
 Downward Ratio: 100%  
 Luminaire Efficacy Rating (LER): 143.51  
 Max. Intensity: 12017.89 cd

## Luminous Intensity Distribution Curve



## Installation Instructions

### Hook Mount

1. Screw the hook into the fixture, tighten and fix it. (figure 1)
2. Hang the fixture on the ceiling hook or chain. (figure 2)
3. After installation, connect the wire of the fixture to the mains according to local wiring rules, ensure the connection is stable and protected on the connection.

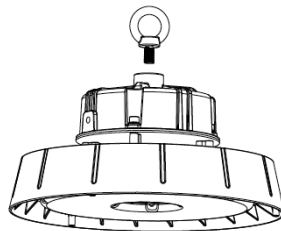


Figure 1

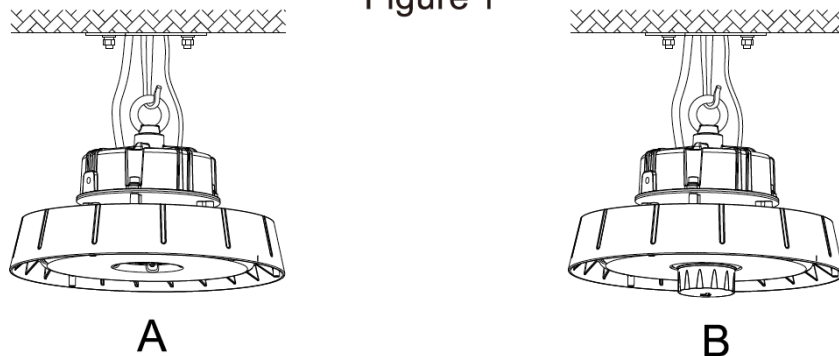


Figure 2

## Ceiling Mount

1. Mark with a marker pen or sharpie tool on the mounting surface and drill. (figure 3)
2. Fix screws into the holes with a hammer. (figure 4)
3. Align the bracket hole with screw hole (figure 5), and push the fixture to one side (figure 6) and fix it.
4. After installation, connect the wire of the fixture to the mains according to local wiring rules, ensure the connection is stable and protected on the connection. By adjusting the brackets screws, users can adjust 50° to the left or right vertically. (figure 7)

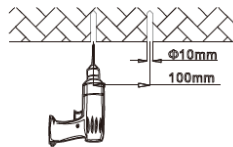


Figure 3

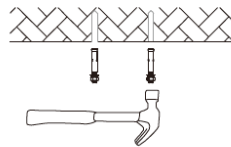


Figure 4

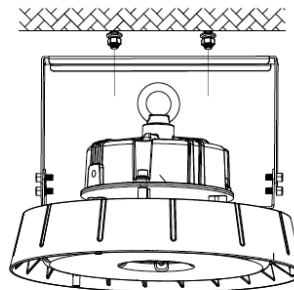


Figure 5

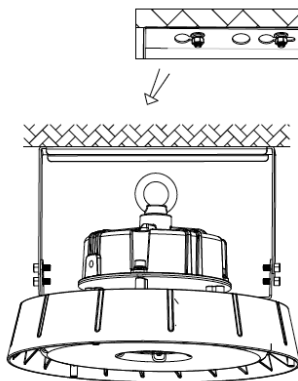


Figure 6

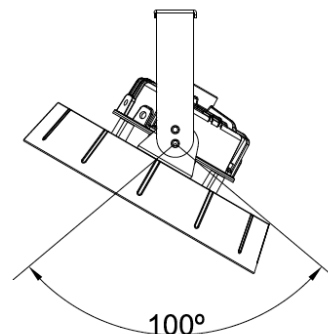


Figure 7

## U Bracket Mount

1. Unscrew the nuts on 1/2" NTP. (figure 8)
2. Insert 1/2" NTP stem into the bracket hole. (figure 9)
3. Re-screw the nuts. (figure 10)
4. After installation, connect the wire of the fixture to the mains according to local wiring rules, ensure the connection is stable and make good protection on the connection. By adjusting the brackets screws, users can adjust 50° to the left or right vertically. (figure 11)

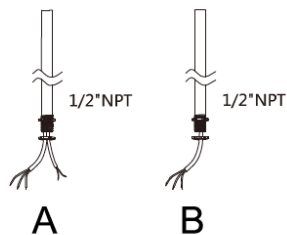


Figure 8

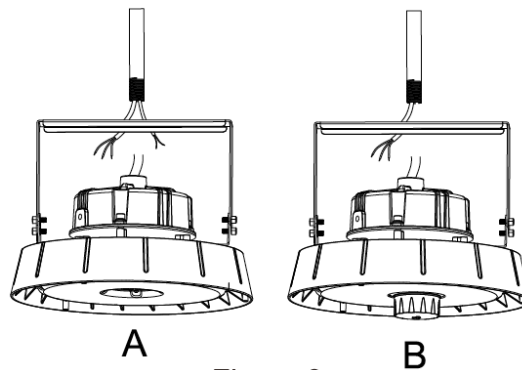


Figure 9

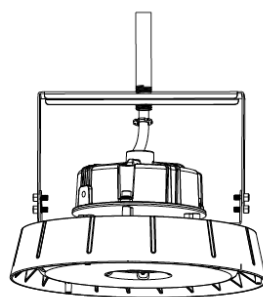


Figure 10

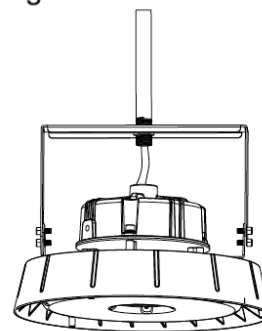


Figure 11

## Caution

1. Can not use the electric generator to test the LED lamp.
2. Please abide by related country, regional and local law and regulations when installing this fixture.
3. Please turn off the power before installation or maintenance.
4. Proper grounding is required to ensure safety.

## Notice

1. To avoid possibility of electrical shock or fire, the installation personnel must have professional electric knowledge.
2. Please wear gloves to avoid injury before installation.
3. If any smoke or spark of the wire happens, please turn off the power immediately and notify relevant personnel.

## Installation of Motion Sensor

It could be easily installed without using any tools. Choose whether to install the motion sensor or not as per your demand (figure 12); if not, unscrew the motion sensor and replace it with a protection cover, and vice versa.

**Note:** the motion sensor has no dialing code, and a remote control is needed for adjustment. Please refer to the instruction for remote control adjustment.

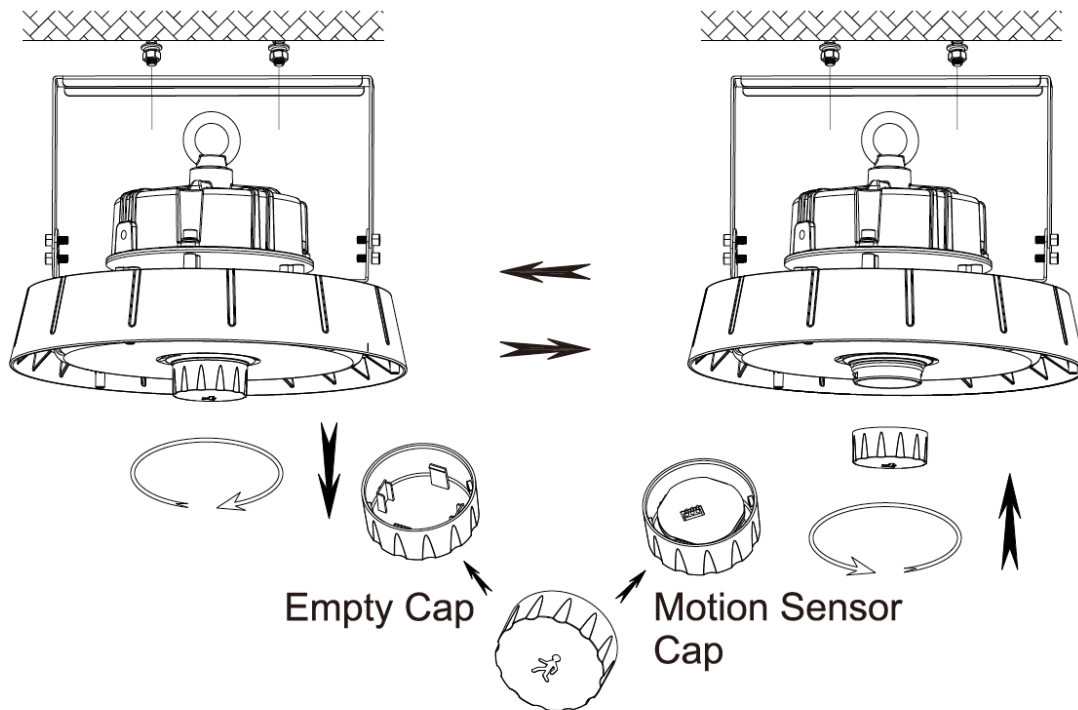


Figure 12

## Attention

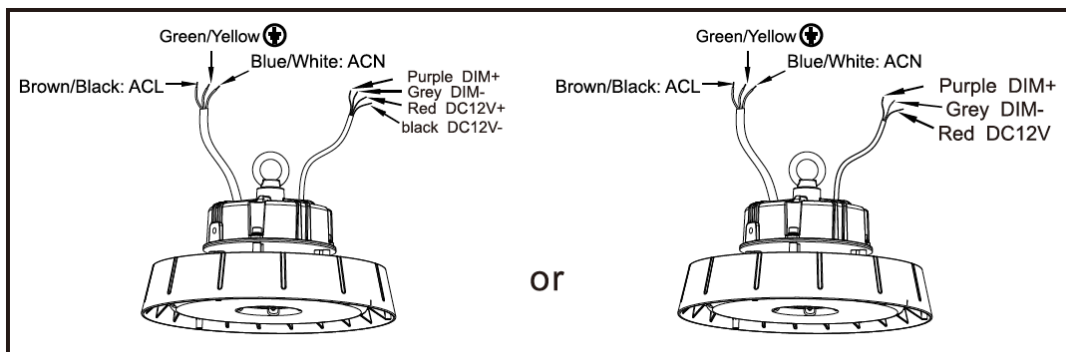
1. Please check if there is any damage during shipping. If so, please contact manufacturer immediately .
2. Please read the installation instruction carefully to check whether all the accessories are included. After confirmation, then install the fixture according to installation steps.

## Wiring Diagram & Instructions

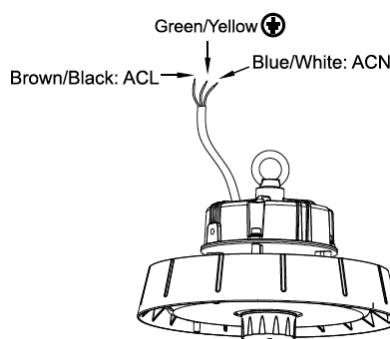
### Wiring Diagram & Instruction:

This led high bay light can be equipped with optional DC motion sensor, and is available with 1-10V dimming function, with following 3 dimming solutions:

1. 1-10V dimming,
2. Intelligent dimming with DC motion sensor,
3. Pre-install tool-free handling DC motion sensor dimming module, and choose dimming function freely.
4. According to different product models, there are two different cases that DC12V wire and DIM wire may have three or four cores. Please refer to Figure A for the specific wiring method.



A



B

## Packaging Info

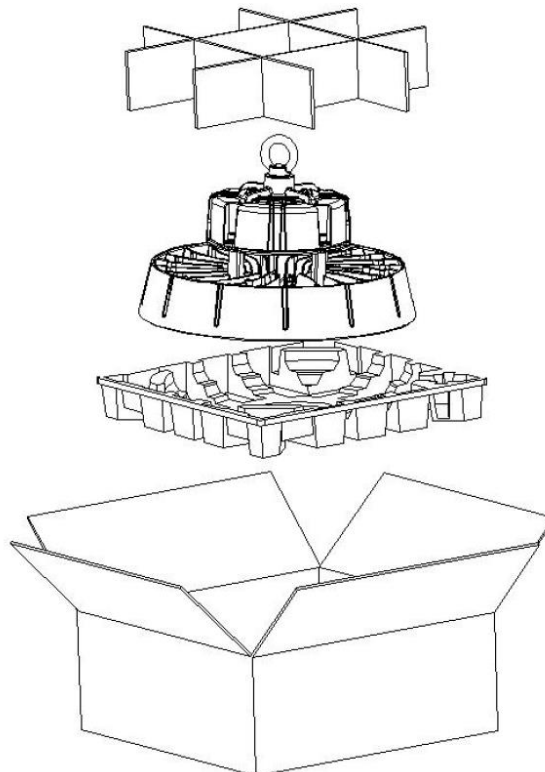
	Carton Size	Qty/Box	G.W./Box
<b>Outer Box</b>	13.58 X 13.58 X 7.68 in	1 PC	8.82 lbs

Tolerance of Carton Size:  $\pm 15$  MM, Tolerance of Weight:  $\pm 10\%$ .

## Packaging Info

	Carton Size	Qty/Box	G.W./Box
<b>Outer Box</b>	15.75 X 15.75 X 8.27 in	1 PC	11.90 lbs

Tolerance of Carton Size:  $\pm 15$  MM, Tolerance of Weight:  $\pm 10\%$ .





## Notice for User

- Please turn off power before install or change assembly parts.
- The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- No-professionals, must not install and disassemble the lamps.

## Trouble Shootings

Troubles	Check points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.
Out of working	Please check the connection.

## Application

Warehouse, factory, and workshops; Highway toll station and gas station; Exhibition Hall; Gymnasium and supermarkets, etc.



## Safety Precautions

To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warnings and instructions included with and on the fixture box and all fixture labels. Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions. Commercial installation, service and maintenance of luminaires should be performed by a qualified licensed electrician.

For the installation: If you are unsure about the installation or maintenance of the luminaires, consult a qualified licensed electrician and check your local electrical code. To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects. Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

**WARNING: RISK OF FIRE OR ELECTRICAL SHOCK**

Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply. Turn off the power when you perform any maintenance. Verify that supply voltage is correct by comparing it with the luminaire label information. Make all electrical and grounded connections in accordance with the National Electrical Code and any applicable local code requirements. All wiring connections should be capped with UL approved wire connectors.

**CAUTION: RISK OF INJURY**

Avoid direct eye exposure to the light source while it is on.  
Account for small parts and destroy packing material, as these may be hazardous to children.

## Warranty

5 Years Warranty