



UFO Round High Bay is the newest product of 2023. UFO Round High Bay fixture offers High Lumens Per Watt for maximum savings and rebates. The UFO Round High Bay is built to last with standard 6kv surge protection, 50°C ambient temperature rating and IP65 rating for elimination of dust, moisture and airborne contaminants. The unique easy connect driver to optical assembly interface allows for quick and easy maintenance for applications including warehousing, gymnasiums, manufacturing and outdoor canopies. Our UFO Round High Bay is fully ready to integrate with most smart control systems.

Product Features

- Up to 145 Lumens per watt
- 0-10V Dimmable
- IP65 Rated
- Optional several mounting
- Instant start, NO flickering, NO humming
- Bridgelux 2835 Chip
- Input voltage 120-277VAC
- Ultra-thin Sleek Design
- Plug and Play Motion Sensor
- UL & DLC Listed
- 5 Year warranty

UFO ROUND HIGH BAY



SKU #	Model #	Watt	Lumens	CCT	Housing Color	Dimming	CRI	Input Voltage	Certification
1560255	BLT-HB21-100WH1JT2A1-BHP50	100W	14500LM	5000K	Black	0-10V	>80	120-277Vac	UL & DLC
1560186	BLT-HB21-240WH1JT2A1-BHP50	240W	34800LM	5000K	Black	0-10V	>80	120-277Vac	UL & DLC

SKU Number 1560255 Specifications

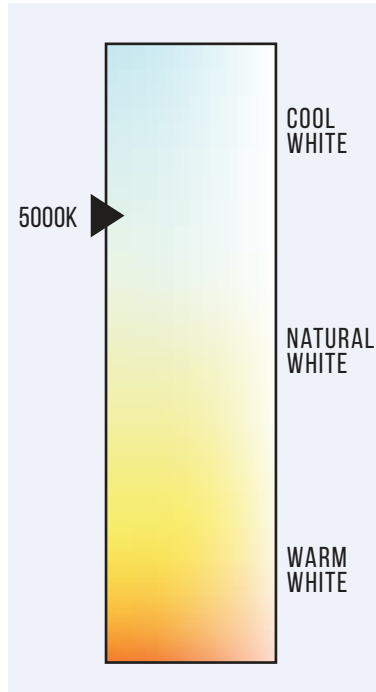
Parameter	Description	Value
General Performance	Model #	BLT-HB21-100WH1JT2A1-BHP50
	Wattage	100W
	Lumen	Up to 14500LM
	Lumen Efficacy	Up to 145LM/W
	Color Temperature	5000K
	CRI (Ra)	>80
	Beam Angle	90° Degree
Electrical	Diffuser Type	PC Lens
	Input Voltage	120-277Vac
	Frequency	50/60Hz
	Dimming	0-10V Dimmable
	Power Factor	≥0.9
	Driver Surge Protection	L/N-PE: 6kV, L-N: 6kV
Physical	Flicker Percent	<10%
	Operating Temperature	Without Motion Sensor: -25°C TO 50°C With Motion Sensor: -25°C TO 50°C
	Operating Humidity	20% - 90% RH
	Storage Temperature	-25°C TO 80°C
	Storage Humidity	10% - 95% RH
	LED Brand	Bridgelux
	LED Type	SMD2835
	LED QTY	165PCS
Qualification	Housing	Die-cast aluminum
	Housing Color	Black
	IP Rating	IP65
	Warranty	5 Year

SKU Number 1560186

Specifications

Parameter	Description	Value
General Performance	Model #	BLT-HB21-240WH1JT2A1-BHP50
	Wattage	240W
	Lumen	Up to 34800LM
	Lumen Efficacy	Up to 145LM/W
	Color Temperature	5000K
	CRI (Ra)	>80
	Beam Angle	90° Degree
	Diffuser Type	PC Lens
Electrical	Input Voltage	120-277Vac
	Frequency	50/60Hz
	Dimming	0-10V Dimmable
	Power Factor	≥0.9
	Driver Surge Protection	L/N-PE: 6kV, L-N: 6kV
	Flicker Percent	<10%
Physical	Operating Temperature	Without Motion Sensor: -25°C TO 50°C With Motion Sensor: -25°C TO 50°C
	Operating Humidity	20% - 90% RH
	Storage Temperature	-25°C TO 80°C
	Storage Humidity	10% - 95% RH
	LED Brand	Bridgelux
	LED Type	SMD2835
	LED QTY	330 PCS
	Housing	Die-cast aluminum
	Housing Color	Black
Qualification	IP Rating	IP65
	Warranty	5 Year

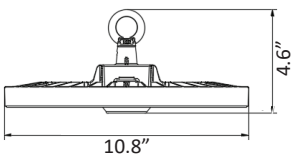
Correlated Color Temperature (CCT)



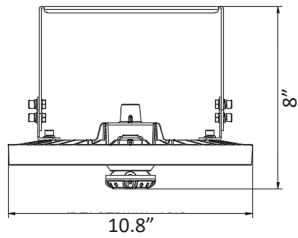
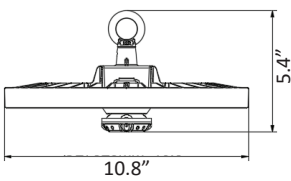
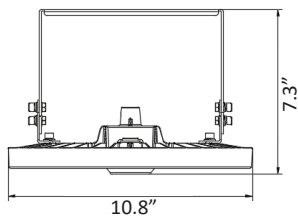
Dimensions

100 Watt

PENDENT MOUNT

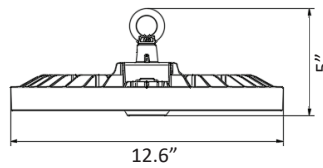


SURFACE MOUNT

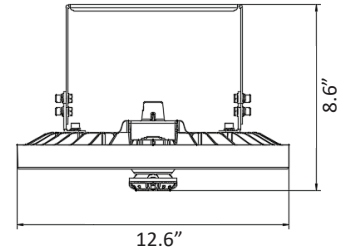
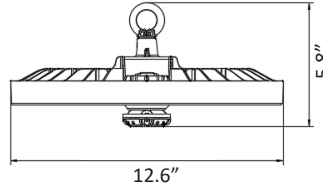
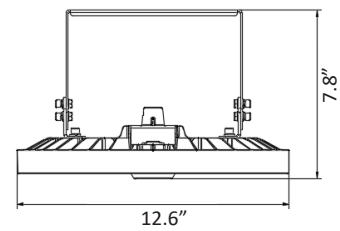


240 Watt

PENDENT MOUNT



SURFACE MOUNT



SKU: 1560255

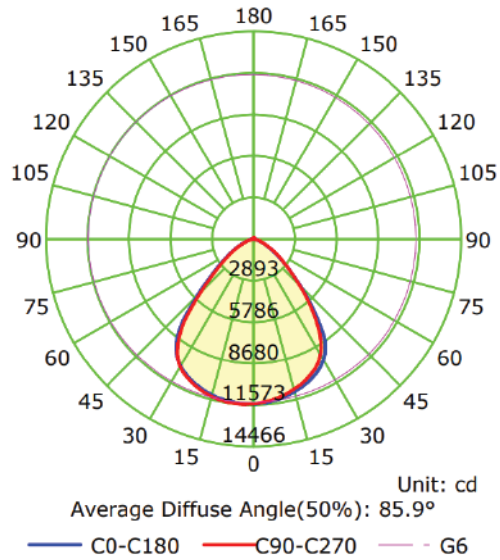
Photometric Result

IES Classification: Type I
 Total Rated Lamp Lumens: 22230.2 lm
 Efficiency: 100%
 Upward Ratio: 1%
 Central Intensity: 11497.04 cd
 Po s of Max. Intensity: H225 V6

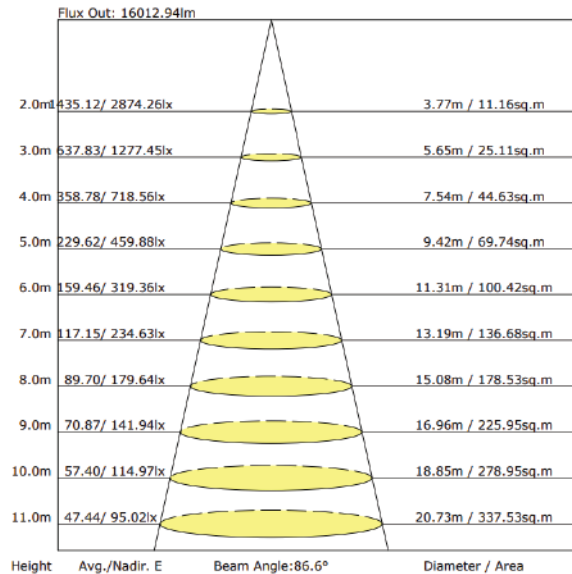
Longitudinal Classification: Very Short
 Measurement Flux: 22230.2 lm
 Downward Ratio: 99%
 Luminaire Efficacy Rating (LER): 148.25
 Max. Intensity: 11573.59 cd

LED UFO HIGH BAY

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



SKU: 1560186

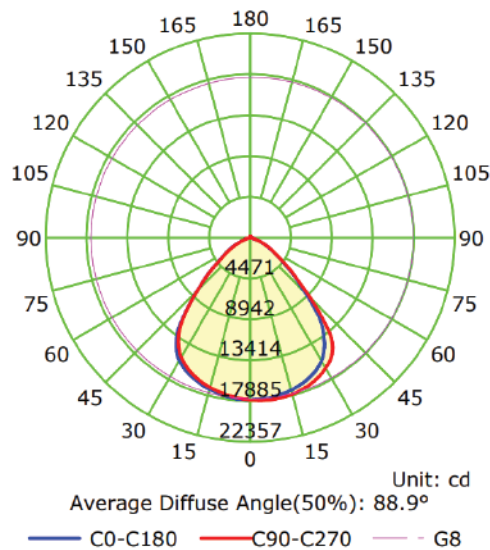
Photometric Result

CIE Class: Direct
 Measurement Flux: 36096.1 lm
 Downward Ratio: 99%
 Horizontal Diffuse Angle(10%,50%): H128.3,H88.6
 Vertical Diffuse Angle(10%,50%): V128,V89A
 Luminaire Efficacy Rating (LER): 150,39
 Max. Intensity: 17885.64 cd
 S/MH(CO/C180): 1.28

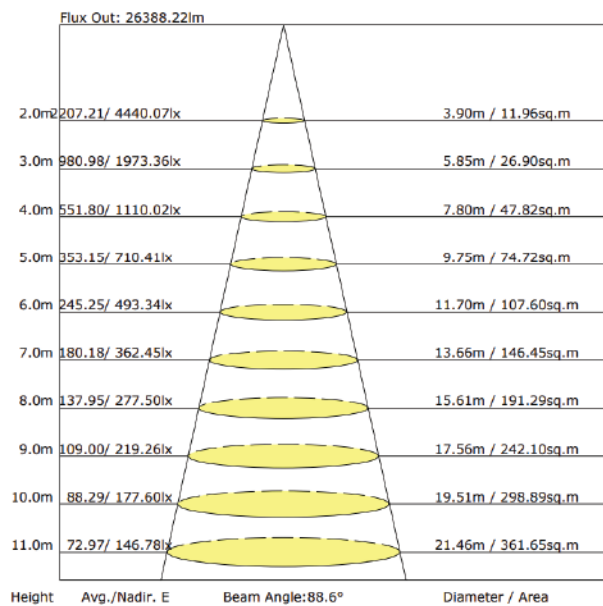
Total Rated Lamp Lumens: 36096.1 lm
 Efficiency: 100%
 Upward Ratio: 1%

Central Intensity: 17760.28 cd
 Pos of Max. Intensity: H90 V8
 S/MH(C90/C270): 1.31

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



Installation

Cautions:

1. Cannot use the electric generator to test the LED light .
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:

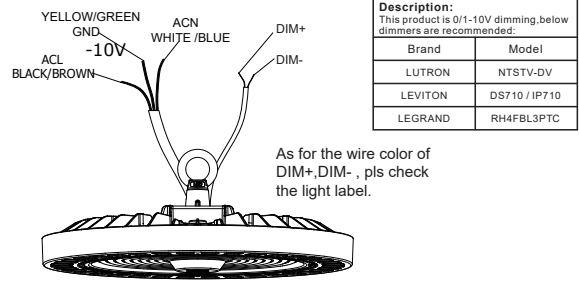
1. To avoid possibility of electrical shock or fire, the installation personnel must have professional electric knowledge.
2. Please wear gloves to avoid injury before installation.
3. If there is any smoke or spark, please turn off the power immediately and consult a qualified electrician.
4. Please use listed water proof strain relief bushing when connecting the supply cord to the outlet box.

Attention

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

Wiring Diagram & Instruction:
 This LED highbay light can be equipped with optional DC motion sensor and is available with 0-10V dimming function,with following 3 dimming solutions:

1. 0-10V dimming,
2. Intelligent dimming with DC motion sensor.
3. Pre-install tool-free handling DC motion sensor dimming module and choose dimming function freely.



Installation Methods: Hook Mount, Ceiling Mount, 1/2"NPT Mount.(Please choose the most suitable installation method for the product per you needs) 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.

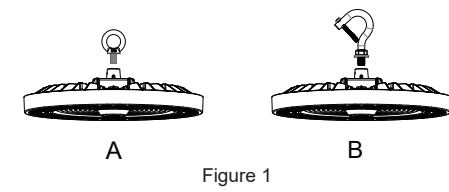


Figure 1

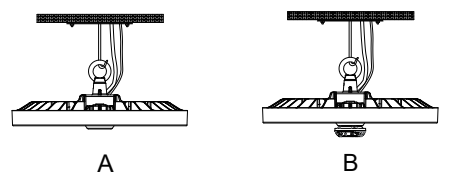


Figure 2

Installation

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)

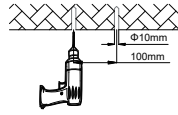


Figure 3

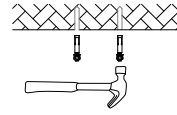


Figure 4

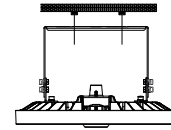


Figure 5

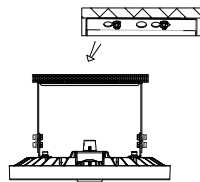


Figure 6

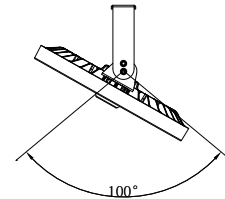
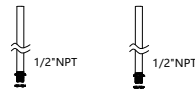


Figure 7

1/2"NPT Mount

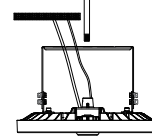
1. Unscrew the nuts on 1/2" NIP. (figure 8)
2. Insert 1/2" NTP stem into the bracket hole. (figure 9)
3. Re-screw the nuts. (figure 10)
4. After installation, connect the wire of the fixture to the mains according to local wiring rules, ensure the connection is stable and protected on the connection.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



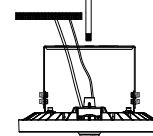
A

B

Figure 8

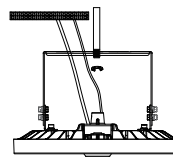


A

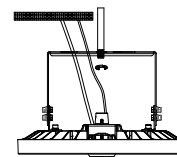


B

Figure 9



A



B

Figure 10

Figure 11

Installation of DC motion sensor

The fixture has integrated function 3 Power selectable. The setting could be customized. Operation: Take away the water-proof gasket, adjust dip switch to choose Power as per sign. The original setting could be either factory default or customized request (Figure 12).

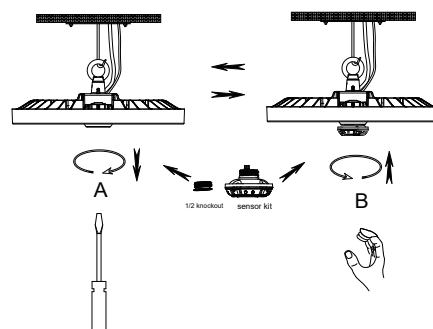


Figure 12

Notice For User

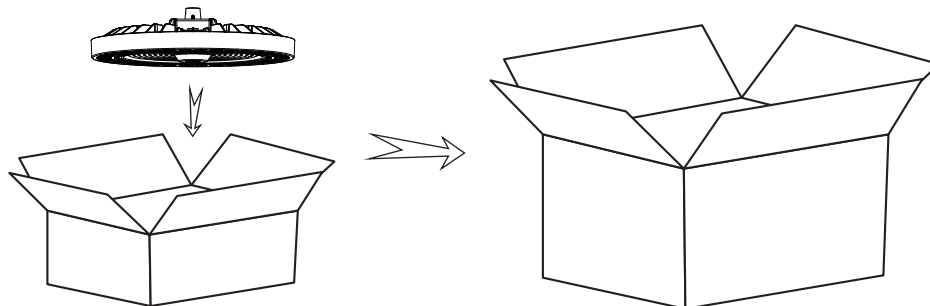
- Please turn off power before install or change assembly parts.
- The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- No-professionals, must not install and disassemble the lamps.

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.

Packaging

SKU	Carton Type	Carton Size (Inches)	Qty	Net Weight	Gross Weight
1560255	Outer	15.74 x 11.61 x 11.61	4 Pcs/Box	15 LBS	20.28LBS
	Inner	11.02 x 11.02 x 3.54	1 Pc/Box	3.74 LBS	4.63 LBS
1560186	Outer	17.32 x 13.38 x 13.38	4 Pcs/Box	21.16 LBS	28.21 LBS
	Inner	12.79 x 12.79 x 3.93	1 Pc/Box	5.29 LBS	6.61 LBS



Application Image



Warranty

5 Year Warranty