

UFO HIGHBAY LIGHT



Lumens Depot Foam's LED Round UFO High Bay Light is a feature-rich lighting solution designed to deliver high performance and long-lasting reliability. With an efficacy of up to 138 lumens per watt, it maximizes light output while ensuring excellent energy efficiency for a wide range of applications.

Built for durability, it includes standard 6KV surge protection, a 45°C ambient temperature rating, and an IP65 rating to guard against dust, moisture, and airborne contaminants. This makes it ideal for demanding environments such as warehouses, gymnasiums, manufacturing facilities, and outdoor canopies.

Designed with versatility in mind, it can be integrated with advanced control systems for enhanced functionality. The easy-connect driver-to-optical assembly allows for quick and hassle-free maintenance, making it a reliable and efficient lighting solution for commercial and industrial use.

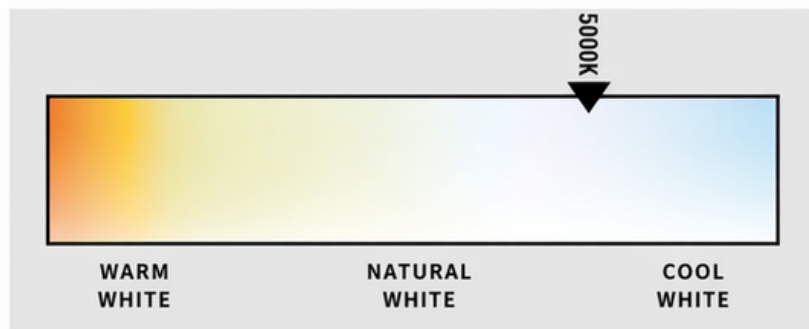
UFO Highbay Light

Product Features

- Operating temperature: -40°C to 50°C
- Up to 138 Lumens per Watt efficacy
- 0-10V Dimming capability
- 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, therefore, it is suited for both indoor and outdoor applications
- Spotless soft light without shadow
- Optional Emergency backup
- Lumileds or Samsung chip with high CRI
- Universal 120-277Vac / 480Vac optional
- No UV or IR in the beam
- Environment friendly with no mercury
- Easy to install and operate, with instant and no humming
- Energy saving with long lifespan

Watt	Lumens	CCT	Housing	Input Voltage	Dimming	Certifications
150W	20893Lm	5000K	White	120V-277V	0-10V	UL & DLC
240W	33747Lm	5000K	White	120V-277V	0-10V	UL & DLC
240W	33999Lm	5000K	White	277V-480V	0-10V	UL & DLC
U Bracket						
U Bracket						
Optional Motion Sensor						
Optional Motion Remote						

Correlated Color Temperature (CCT)



UFO Highbay Light

Specification

Parameter	Description	Value
General Performance		
	Wattage	150W
	Lumen	20893LM
	Lumen Efficacy	Up to 138.4LM/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
	Power Factor	≥0.9
	THD (Tolerance)	≤20%
	Driver Surge Protection	L/N-PE: 6kV, L-N: 4kV
Physical	Flicker Percent	<5%
	Operating Temperature	-40°C To 50°C (Without Sensor)
	Operating Temperature	-30°C To 50°C (With Sensor)
	Operating Humidity	20%-90%RH
	Storage Temperature	-40°C To 80°C
	Storage Humidity	10% - 95% RH
	LED Brand	Lumileds
	LED Type	SMD 2835
	LED QTY	440PCS
	Housing	Die-Cast Aluminium
	Housing Color	White
Qualification	IP Rating	WET (IP65)
	Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25°C

UFO HIGHBAY LIGHT

Specification

Parameter	Description	Value
General Performance		
	Wattage	240W
	Lumen	33747LM
	Lumen Efficacy	Up to 139.8LM/W
	Color Temperature	5000K
	CRI (Ra)	>80
	Beam Angle	90° Degree
Electrical	Diffuser Type	PC Lens
	Input Voltage	100-277Vac
	Frequency	50/60Hz
	Dimming	0-10V
	Power Factor	≥0.9
	THD (Tolerance)	≤20%
	Driver Surge Protection	L/N-PE: 6kV, L-N: 4kV
Physical	Flicker Percent	<5%
	Operating Temperature	-40°C To 50°C (Without Sensor)
	Operating Temperature	-30°C To 50°C (With Sensor)
	Operating Humidity	20%-90%RH
	Storage Temperature	-40°C To 80°C
	Storage Humidity	10% - 95% RH
	LED Brand	Lumileds
	LED Type	SMD 2835
	LED QTY	720 PCS
	Housing	Die-Cast Aluminium
Qualification	Housing Color	White
	IP Rating	WET (IP65)
	Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25oC

UFO Highbay Light

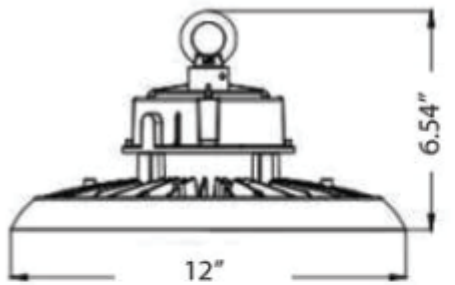
Specification

Parameter	Description	Value
General Performance		
	Wattage	240W
	Lumen	33999LM
	Lumen Efficacy	Up to 140.78LM/W
	Color Temperature	5000K
	CRI (Ra)	>80
	Beam Angle	90° Degree
Electrical	Diffuser Type	PC Lens
	Input Voltage	100-277Vac
	Frequency	50/60Hz
	Dimming	0-10V
	Power Factor	≥0.9
	THD (Tolerance)	≤20%
	Driver Surge Protection	L/N-PE: 6kV, L-N: 4kV
Physical	Flicker Percent	<5%
	Operating Temperature	-40°C To 50°C (Without Sensor)
	Operating Temperature	-30°C To 50°C (With Sensor)
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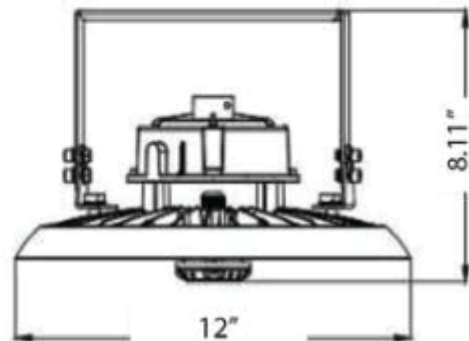
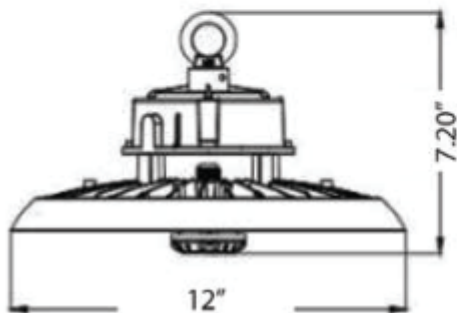
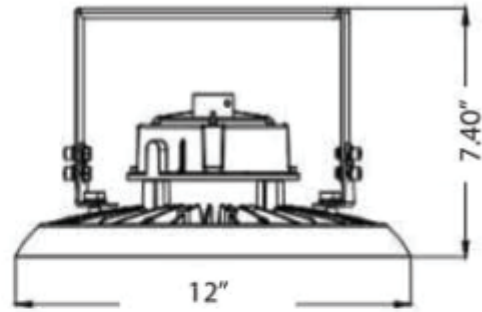
UFO Highbay Light

Dimensions 150W

Pendent

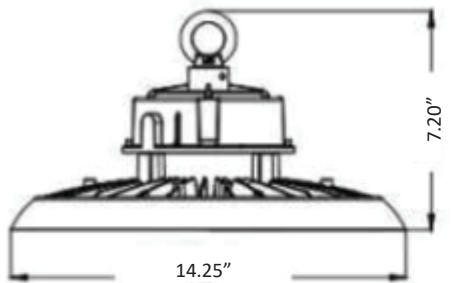


Surface

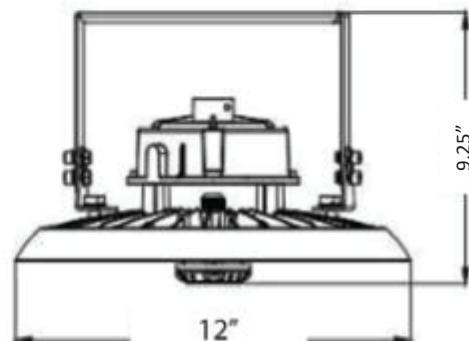
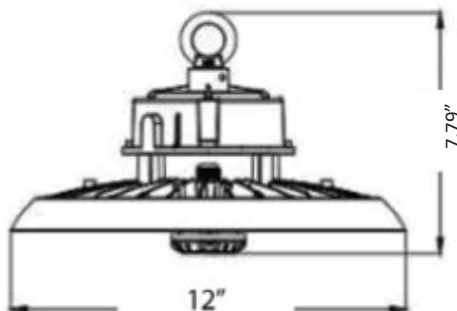
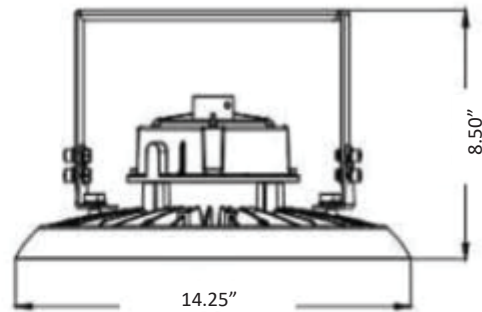


Dimensions 240W

Pendent



Surface



14.25"

14.25"

UFO HIGHBAY LIGHT

Photometric Data

Luminous Intensity Distribution Curve

Illuminance at a Distance

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 1.265 A
Power Factor: 0.994

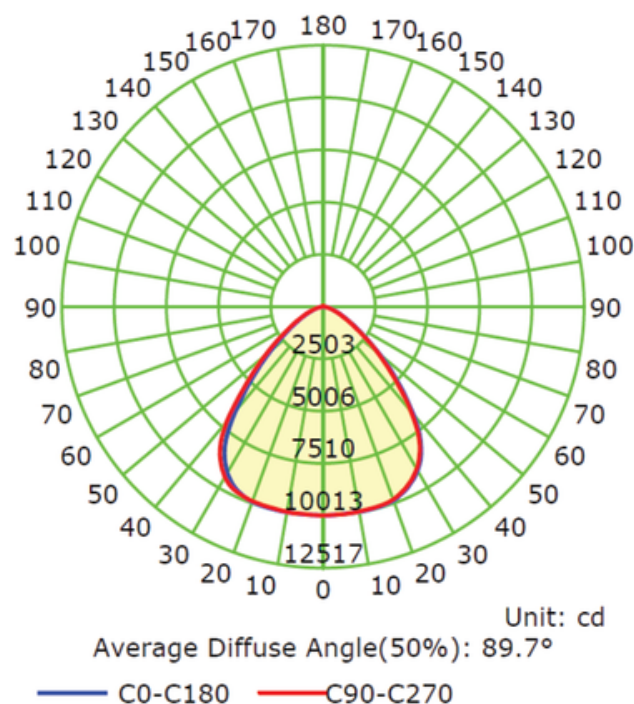
Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 150.89 W

Photometric Results

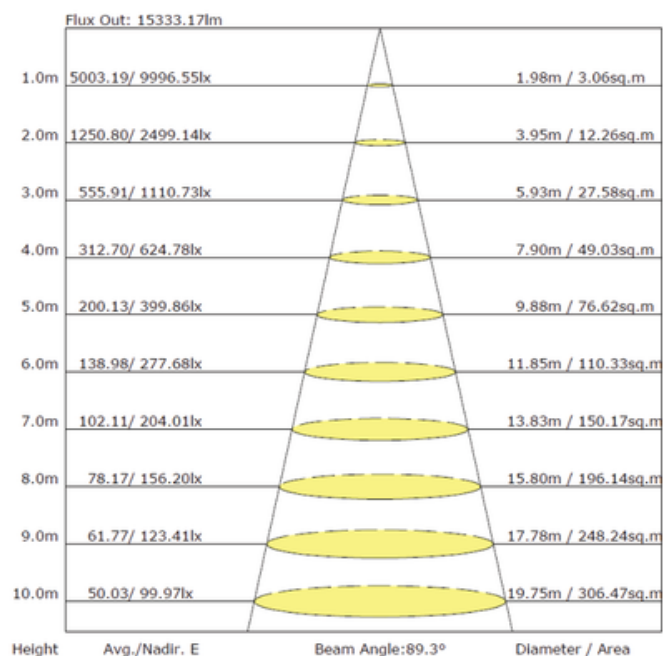
CIE Class: Direct
Measurement Flux: 20881.1 lm
Downward Ratio: 99%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 129.1, 129.5, 129.6, 129.9
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 89.3, 90.0, 89.7, 89.6
Luminaire Efficacy Rating (LER): 138.44
Max. Intensity: 10013.7 cd
S/MH(C0/C180): 1.32

Total Rated Lamp Lumens: 20881.1 lm
Efficiency: 100%
Upward Ratio: 1%
C0r0 Intensity: 9996.55 cd
Pos of Max. Intensity: H67.5 V2
S/MH(C90/C270): 1.33

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



UFO HIGHBAY LIGHT

Photometric Data

Luminous Intensity Distribution Curve

Illuminance at a Distance

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.937 A
Power Factor: 0.926

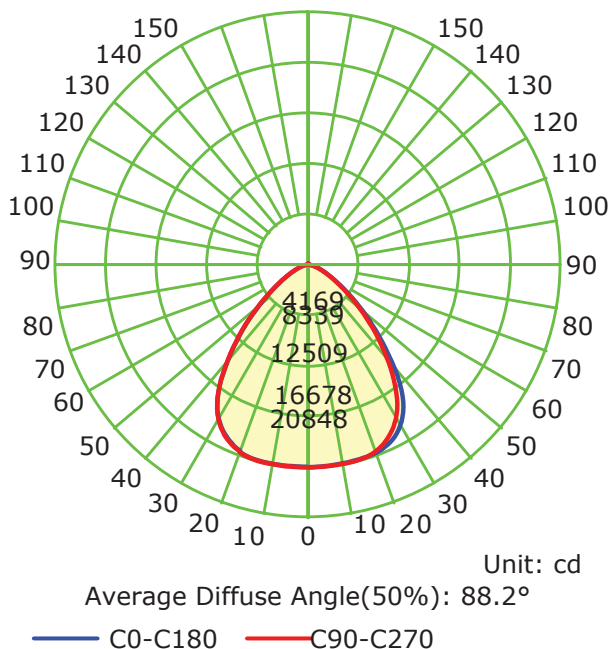
Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 277.0 V
Power: 240.46 W

Photometric Results

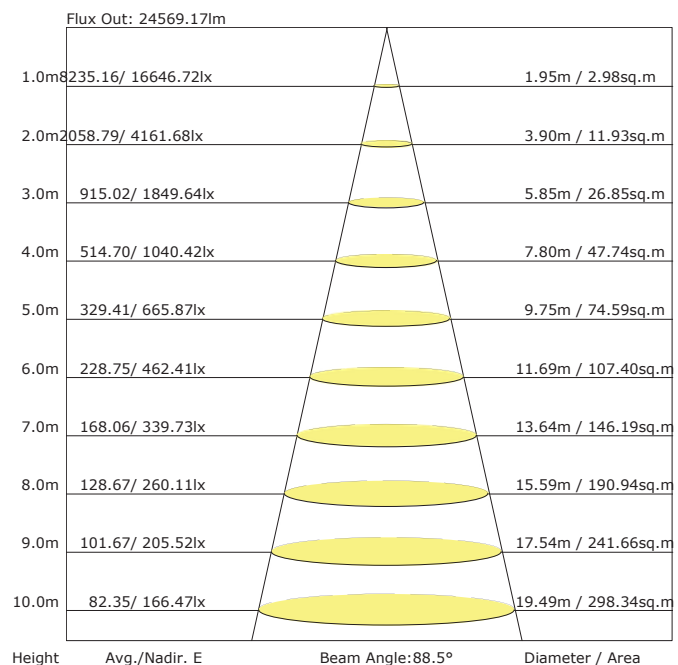
CIE Class: Direct
Measurement Flux: 33732.5 lm
Downward Ratio: 99%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 128.4, 129.4, 128.6, 129.3
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 88.5, 88.0, 87.7, 87.8
Luminaire Efficacy Rating (LER): 140.33
Max. Intensity: 16678.67 cd
S/MH(C0/C180): 1.30

Total Rated Lamp Lumens: 33732.5 lm
Efficiency: 100%
Upward Ratio: 1%
C0r0 Intensity: 16646.72 cd
Pos of Max. Intensity: H202.5 V11
S/MH(C90/C270): 1.27

Luminous Intensity Distribution Curve
160170 180 170160



The Average Illuminance Effective Figure



UFO HIGHBAY LIGHT

Photometric Data

Luminous Intensity Distribution Curve

Illuminance at a Distance

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.874 A
Power Factor: 0.997

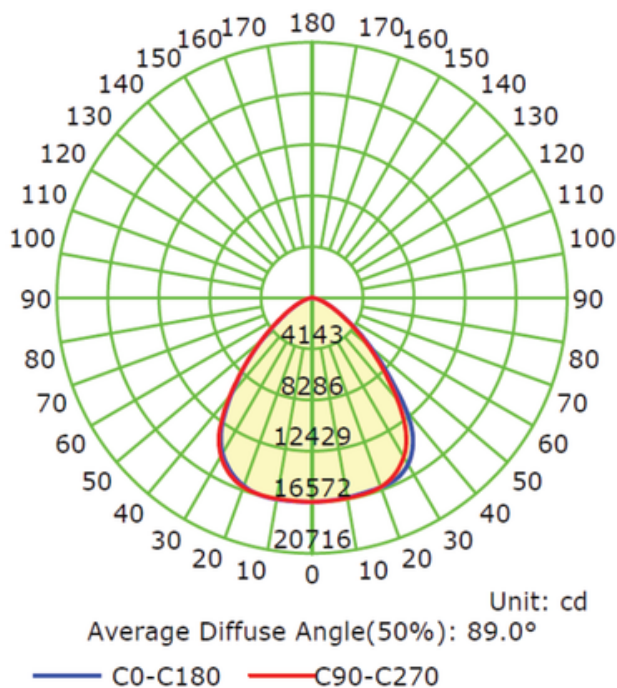
Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 277.0 V
Power: 241.26 W

Photometric Results

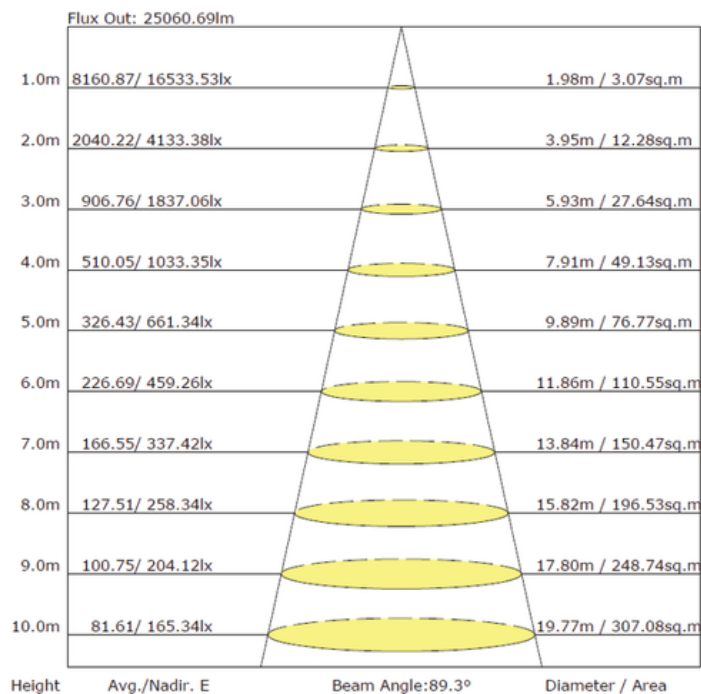
CIE Class: Direct
Measurement Flux: 34051.7 lm
Downward Ratio: 100%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 129.2, 129.6, 129.9, 127.3
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 89.3, 88.7, 89.6, 88.8
Luminaire Efficacy Rating (LER): 141.19
Max. Intensity: 16572.98 cd
S/MH(C0/C180): 1.31

Total Rated Lamp Lumens: 34051.7 lm
Efficiency: 100%
Upward Ratio: 0%
C0r0 Intensity: 16533.53 cd
Pos of Max. Intensity: H180 V12
S/MH(C90/C270): 1.30

Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure

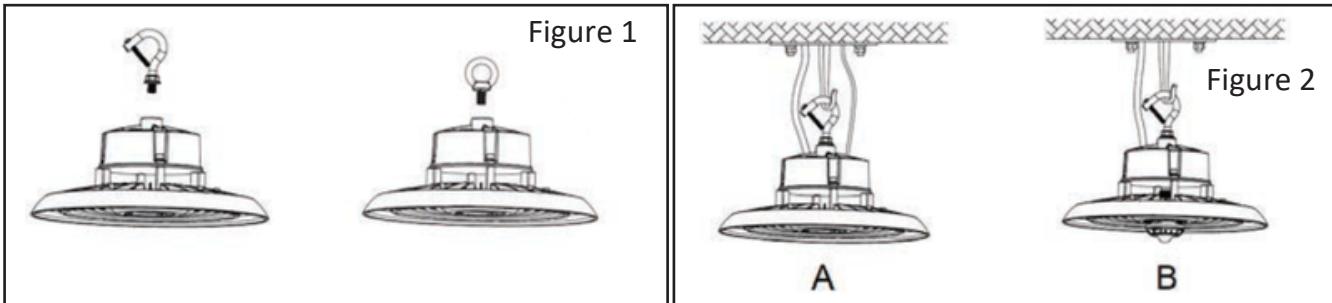


UFO HIGHBAY LIGHT

Installation Instructions

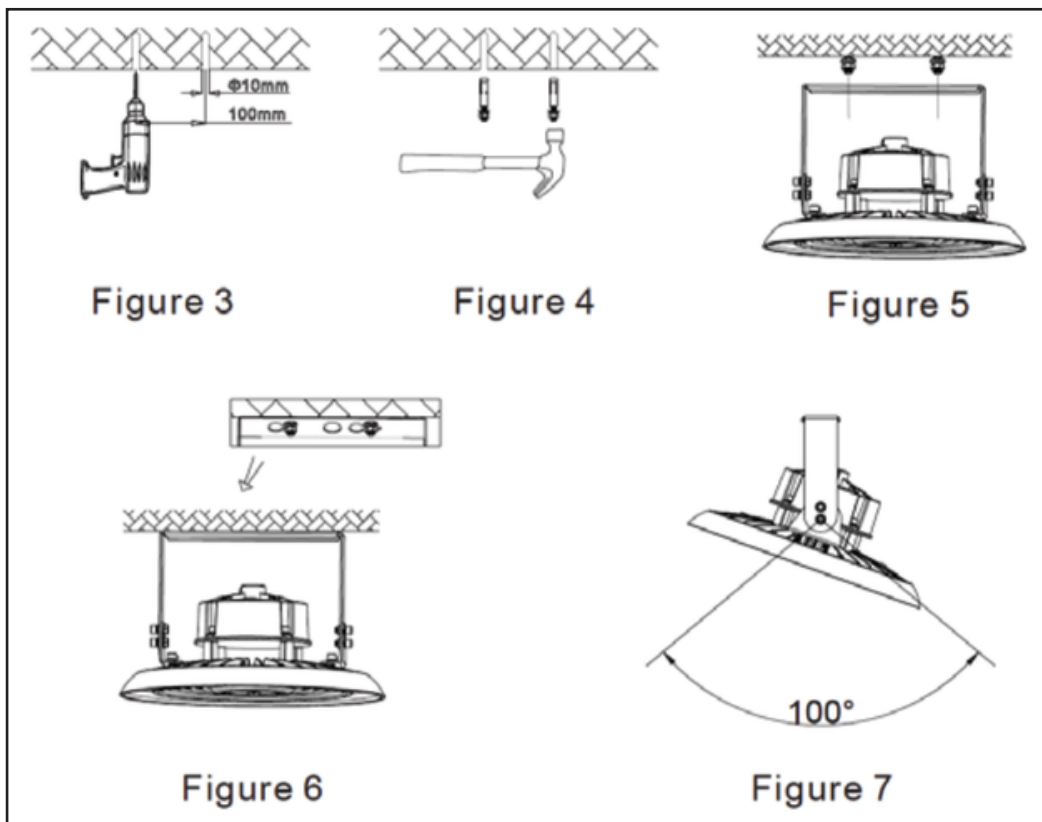
Hook Mount

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.



Celling 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 led or right vertically. (figure 7)

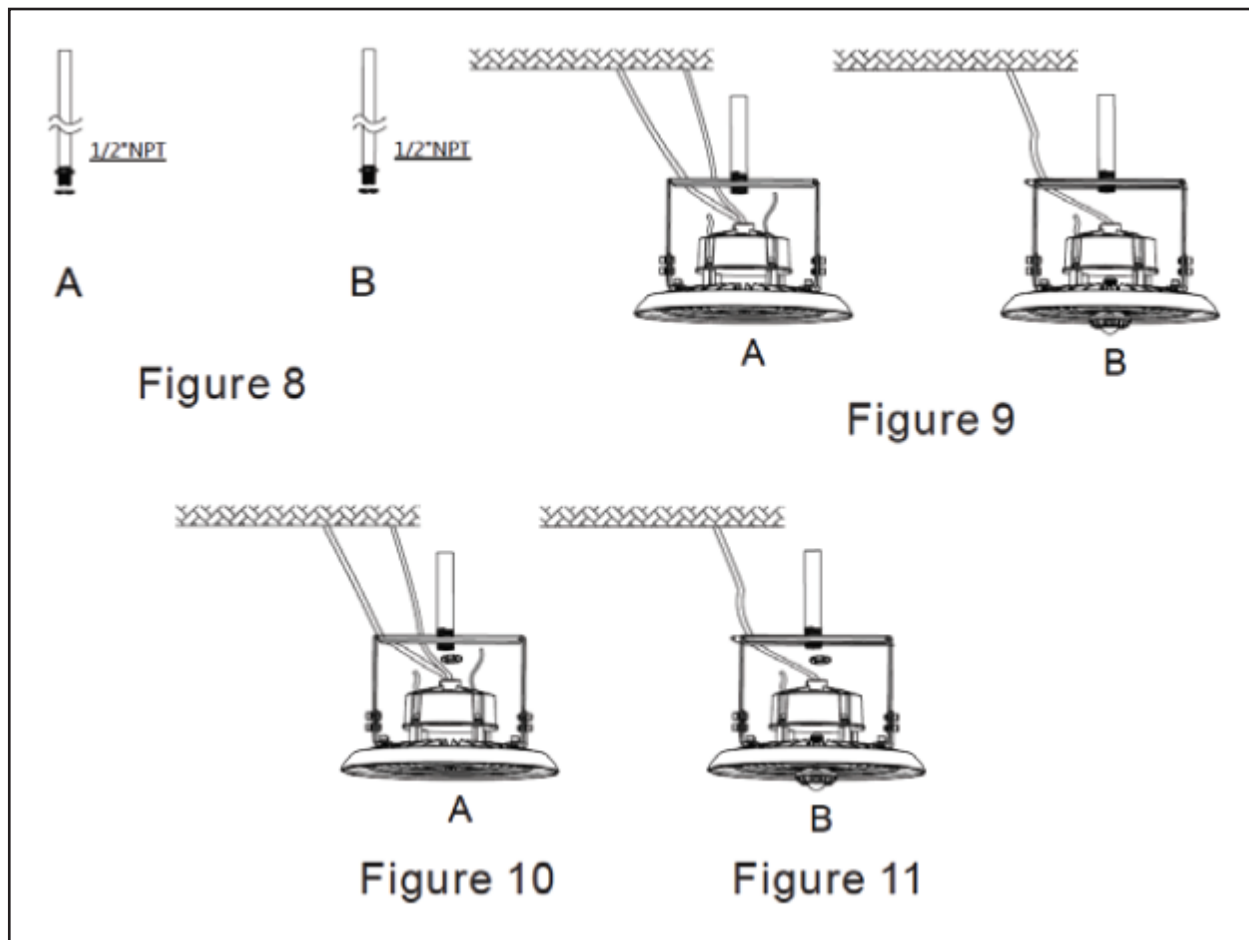


UFO HIGHBAY LIGHT

Installation Instructions

U Bracket Mount

1. Unscrew the nuts on 1/2" NPT. (figure 8) 2. Insert 1/2" NPT 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)

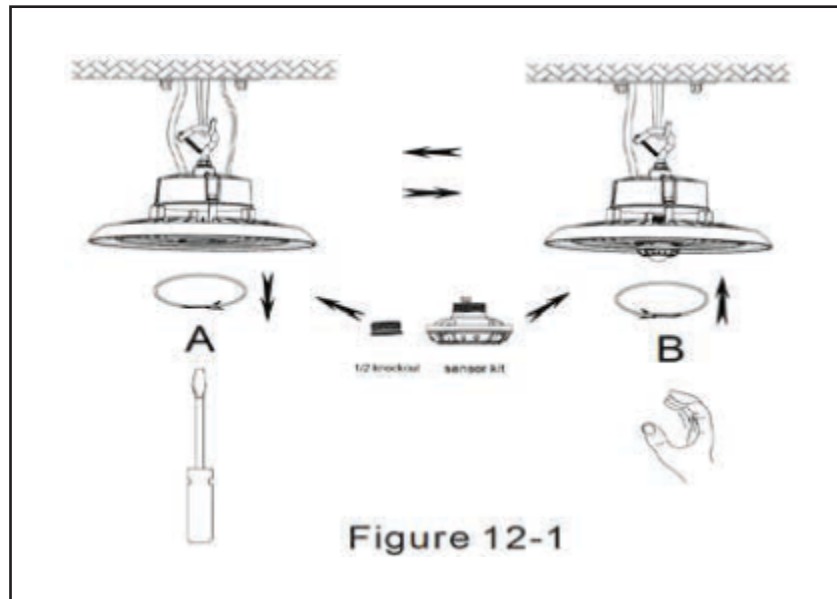


UFO HIGHBAY LIGHT

Installation Instructions

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 12-1



Caution

1. Can not 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

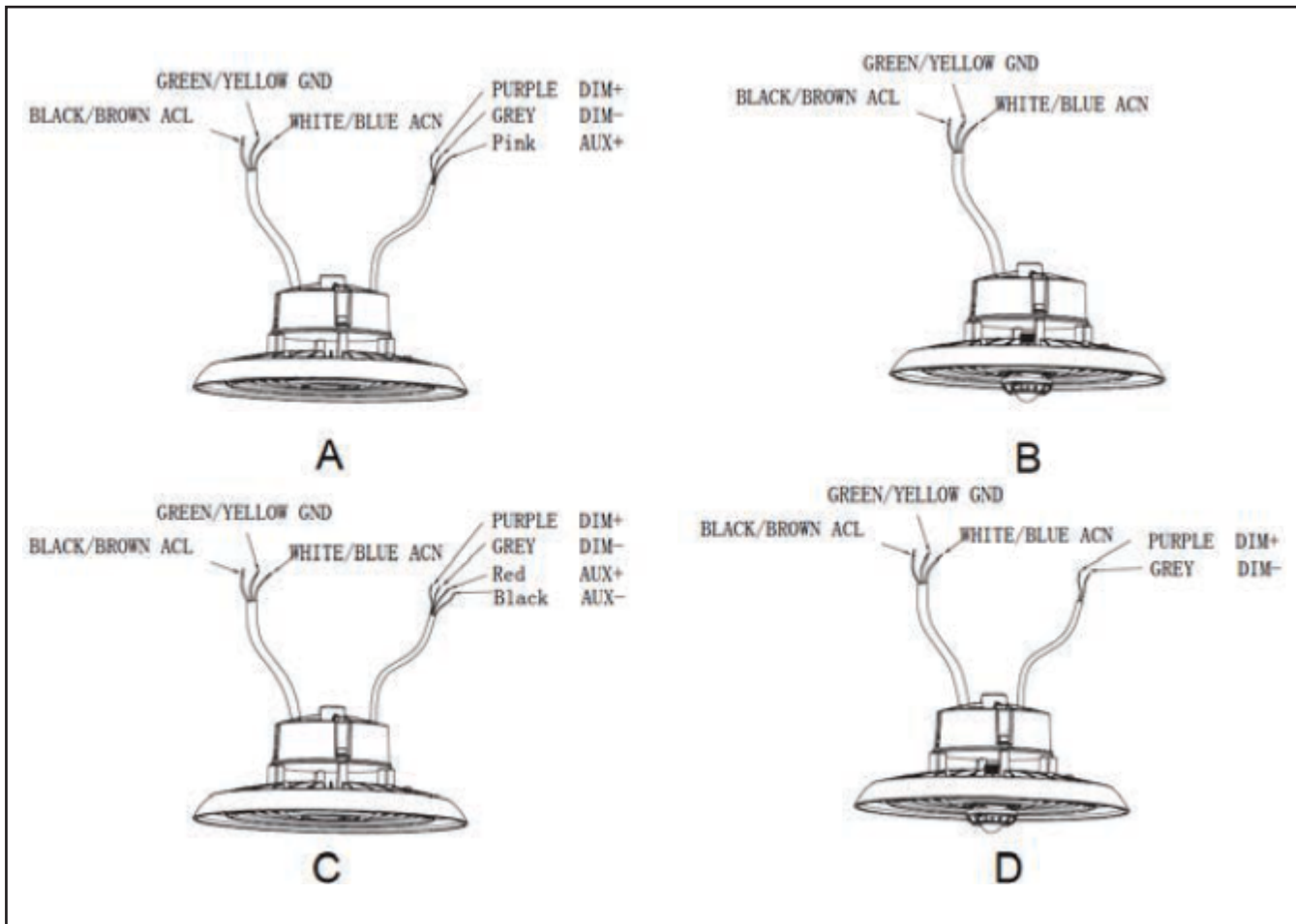
1. To avoid possibility of electrical shock or fire, the installation personnel must have professional electric knowledge.
2. Please wear gloves to avoid injury before installation.
3. If there is any smoke or spark, please turn off the power immediately and consult a qualified electrician.
4. Please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

UFO HIGHBAY LIGHT

Wiring Diagram & Instructions

This LED highbay 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 chones dimming module, and choose dimming function freely,



UFO Highbay Light

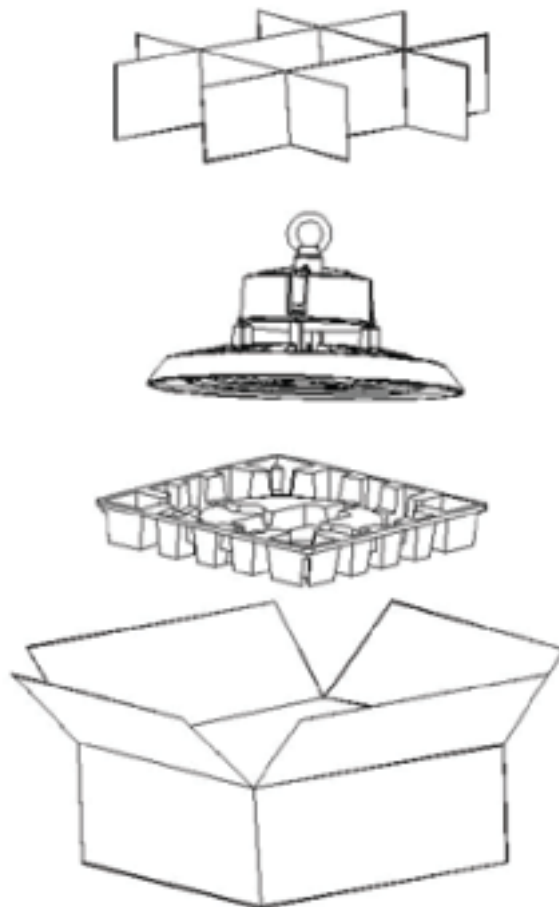
Packaging Info

Bracket Type	Carton Size	Qty/Box	N.W/Box	G.W/Box
Hook Mount	14.17 X 14.17 X 6.49 in	1PC	5.51 lbs	7.28 lbs
Ceiling Mount	14.17 X 14.17 X 6.49in	1PC	6.40 lbs	8.16 lbs

Packaging Info

Bracket Type	Carton Size	Qty/Box	N.W/Box	G.W/Box
Hook Mount	16.54 X 16.54 X 6.88 in	1PC	7.94 lbs	10.36 lbs
Ceiling Mount	16.54 X 16.54 X 6.88 in	1PC	9.92 lbs	12.35 lbs

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



UFO Highbay Light

Application

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

