UFO Swingline
LED Round High Bay

UFO Swingline

Beyond LED Technology's New Swingline UFO High Bay is the newest and most feature rich product of 2021. Swingline is designed to maximizes light output with efficacy up to 150 Lumens per Watt. Swingline is built to last with standard 4kv surge protection, 113°F 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 Swingline High Bay is fully ready to integrate with most smart control systems.

• Up to145 Lumens per watt
• Ultra thin Sleek Design
• 0-10V Dimming capability
• Plug and Play Motion Sensor
• Several mounting options

• IP65 water, dust, corrosion, and pressure proof
• Optional Emergency backup
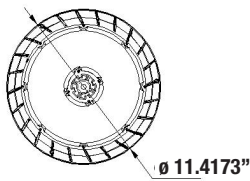• Universal 100-277Vac / 480Vac optional
• DLC listed

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Due to continuous product improvement, information in this document is subject to change.

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UFO Swingline - HD High Bay Light

| SKU #	Model #	Watts	Lumens	CCT	Housing Color	Input Voltage	Certifications
151774	BLT-HB08-100WRBCPD1-abcd	100W	14500Lm	5000K	White	100-277Vac	UL & DLC
152632	BLT-HB08-240WRBCPD1-abcd	240W	21750Lm	5000K	Black	100-277Vac	UL & DLC
151775	BLT-HB08-240WRBCPD1-abcd	240W	34800Lm	5000K	White	100-277Vac	UL & DLC

Dimensions

Standard
Hook Mount
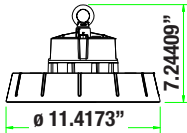
ø 13.7795"

ø 11.4173"

**100W / 150W
Hook Mounted**

7.24409"
ø 11.4173"

**240W
Hook Mounted**

8.18898"
ø 13.7795"

**100W / 150W
Hook Mounted
with optional Motion Sensor**

7.83465"

**240W
Hook Mounted
with optional Motion Sensor**

8.77953"

**100W / 150W
Surface Mounted**

8.07087"
ø 11.4173"

**240W
Surface Mounted**

9.25197"
ø 13.7795"

**100W / 150W
Surface Mounted
with optional Motion Sensor**

8.66142"

**240W
Surface Mounted
with optional Motion Sensor**

9.84252"
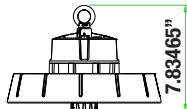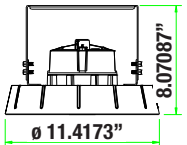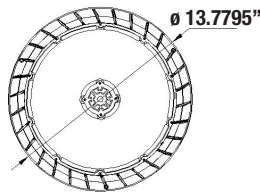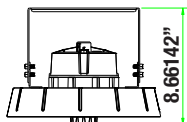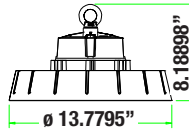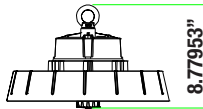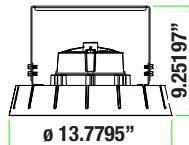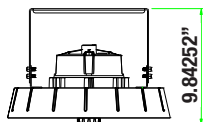
**Optional Motion Sensor
SKU: 152598**
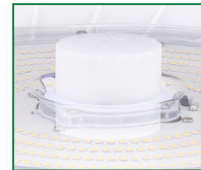
**Optional Motion Sensor
Remote SKU: 152613**

**Optional
100W / 150W U-Bracket
SKU: 151885**

**Optional
200W / 240W U-Bracket
SKU: 151886**

CORRELATED COLOR TEMPERATURE (CCT)

5000K ►

COOL WHITE

NEUTRAL WHITE

WARM WHITE

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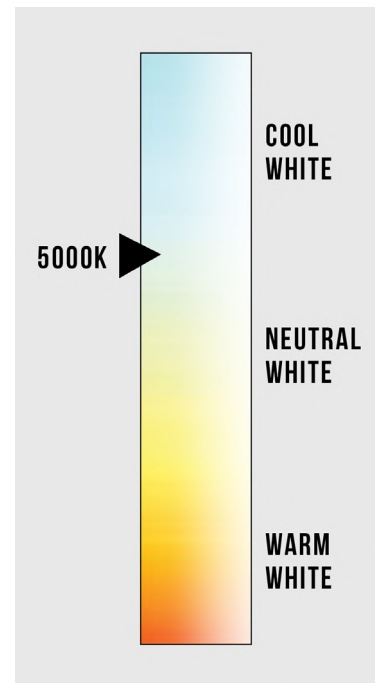
UFO Swingline
LED Round High Bay

100W Specifications

Color temperature	**5000K**
CRI	>80
Cover	Clear PC
Lumen	**14500Lm**
Viewing Angle	110°
Input Power	100W
Input Voltage	100-277Vac 50/60Hz
Driver Brand	**(1-10V Dimming) Driver**
Optional Accessory	Motion Sensor/Surge-Protective Device
PF	>0.9
Waterproof Rating	WET (IP65)

LED Type	2835（0.5W）
LED QTY	280 PCS
Housing	Aluminum
Housing color	**White**
Cover	PC cover

Operating Temperature	**-40°F to 131°F**
Operating Humidity	10％-90％ RH
Storage Temperature	**-40°F to 176°F**
Storage Humidity	10％-95％
Application	Indoor
Safety Certification	UL cUL
Warranty Time	5 Years

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LED Round High Bay

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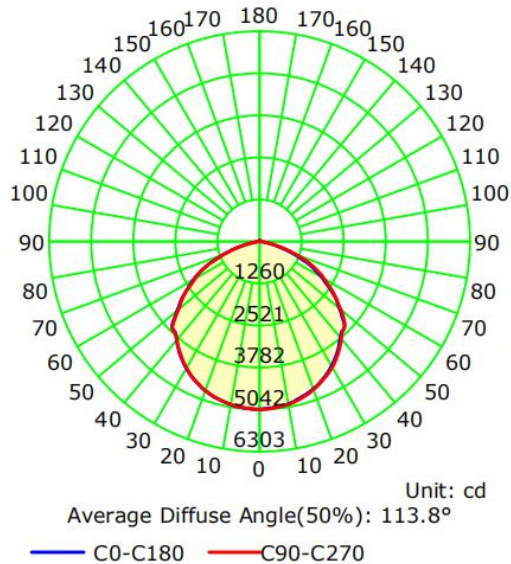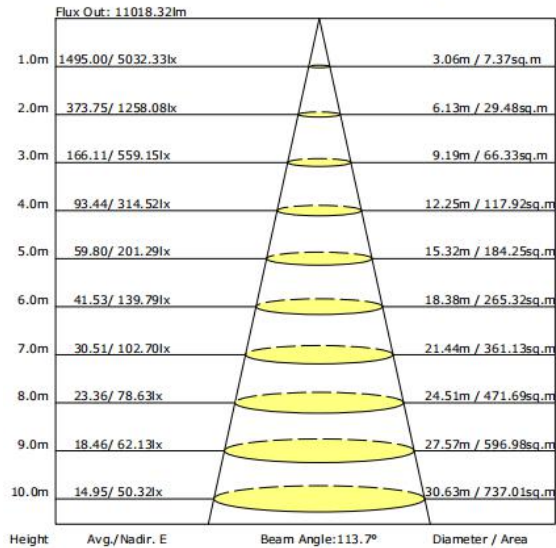
IES Classification: Type II
Total Rated Lamp Lumens: 14281.9 lm
Efficiency: 100%
Upward Ratio: 1%
Central Intensity: 5032.33 cd
Pos of Max. Intensity: H90 V1

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

1260
2521
3782
5042
6303

Unit: cd

Average Diffuse Angle(50%): 113.8°

—— C0-C180   —— C90-C270

The Average Illuminance Effective Figure

Flux Out: 11018.32lm

Height	Avg./Nadir. E		Diameter / Area
1.0m	1495.00/ 5032.33lx		3.06m / 7.37sq.m
2.0m	373.75/ 1258.08lx		6.13m / 29.48sq.m
3.0m	166.11/ 559.15lx		9.19m / 66.33sq.m
4.0m	93.44/ 314.52lx		12.25m / 117.92sq.m
5.0m	59.80/ 201.29lx		15.32m / 184.25sq.m
6.0m	41.53/ 139.79lx		18.38m / 265.32sq.m
7.0m	30.51/ 102.70lx		21.44m / 361.13sq.m
8.0m	23.36/ 78.63lx		24.51m / 471.69sq.m
9.0m	18.46/ 62.13lx		27.57m / 596.98sq.m
10.0m	14.95/ 50.32lx		30.63m / 737.01sq.m

Beam Angle:113.7°

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UFO Swingline
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150W Specifications

Color temperature	**5000K**
CRI	>80
Cover	Clear PC
Lumen	**21750Lm**
Viewing Angle	110°
Input Power	150W
Input Voltage	100-277Vac 50/60Hz
Driver Brand	**(1-10V Dimming) Driver**
Optional Accessory	Motion Sensor/Surge-Protective Device
PF	>0.9
Waterproof Rating	WET (IP65)

LED Type	2835（0.5W）
LED QTY	400 PCS
Housing	Aluminum
Housing color	**White**
Cover	PC cover

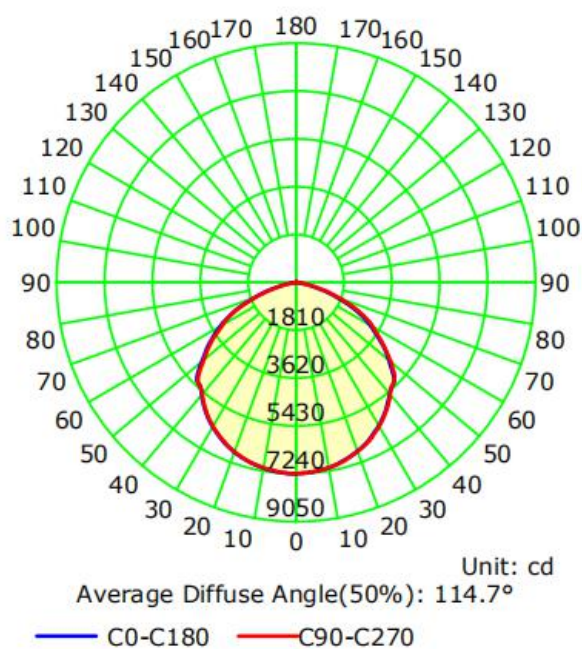|	
Operating Temperature	**-40°F to 122°F**
Operating Humidity	10％-90％ RH
Storage Temperature	**-40°F to 176°F**
Storage Humidity	10％-95％
Application	Indoor
Safety Certification	UL cUL
Warranty Time	5 Years

UFO Swingline
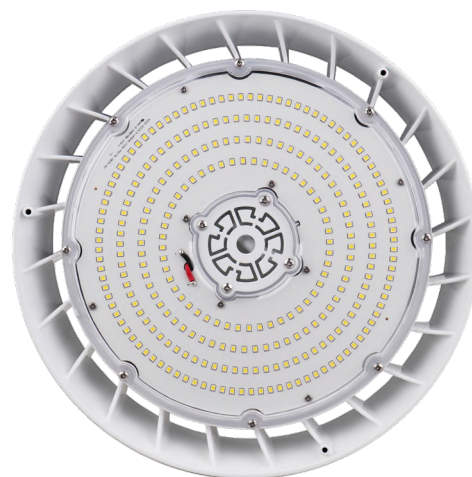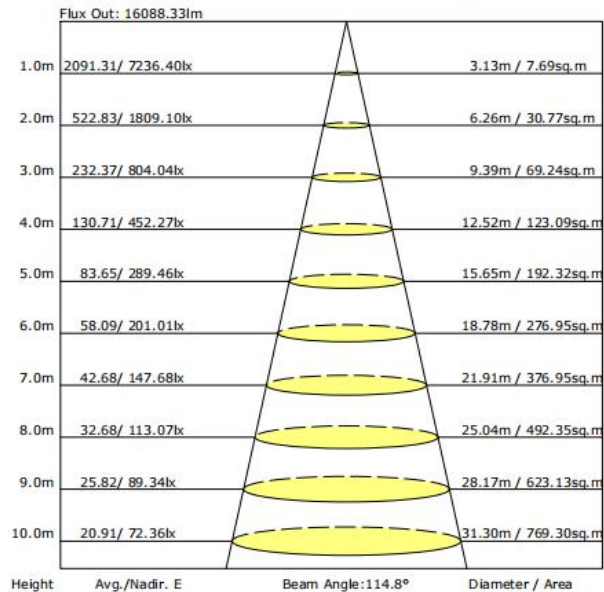# LED Round High Bay

150W Distribution Diagram

IES Classification: Type II
Total Rated Lamp Lumens: 20611.3 lm
Efficiency: 100%
Upward Ratio: 1%
Central Intensity: 7236.4 cd
Pos of Max. Intensity: H270 V1

Longitudinal Classification: Very Short
Measurement Flux: 20611.3 lm
Downward Ratio: 99%
Luminaire Efficacy Rating (LER): 141.55
Max. Intensity: 7240.35 cd

Luminous Intensity Distribution Curve

160 170 180 170 160
150 150
140 140
130 130
120 120
110 110
100 100
90 90
80 1810 80
70 3620 70
60 5430 60
50 7240 50
40 9050 40
30 30
20 20
10 0 10

Unit: cd

Average Diffuse Angle(50%): 114.7°

—— C0-C180   —— C90-C270

The Average Illuminance Effective Figure

Flux Out: 16088.33lm

Height	Avg./Nadir. E		Diameter / Area
1.0m	2091.31/ 7236.40lx		3.13m / 7.69sq.m
2.0m	522.83/ 1809.10lx		6.26m / 30.77sq.m
3.0m	232.37/ 804.04lx		9.39m / 69.24sq.m
4.0m	130.71/ 452.27lx		12.52m / 123.09sq.m
5.0m	83.65/ 289.46lx		15.65m / 192.32sq.m
6.0m	58.09/ 201.01lx		18.78m / 276.95sq.m
7.0m	42.68/ 147.68lx		21.91m / 376.95sq.m
8.0m	32.68/ 113.07lx		25.04m / 492.35sq.m
9.0m	25.82/ 89.34lx		28.17m / 623.13sq.m
10.0m	20.91/ 72.36lx		31.30m / 769.30sq.m

Beam Angle:114.8°

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240W Specifications

Color temperature	**5000K**
CRI	>80
Cover	Clear PC
Lumen	**34800Lm**
Viewing Angle	110°
Input Power	240W
Input Voltage	100-277Vac 50/60Hz
Driver Brand	**(1-10V Dimming) Driver**
Optional Accessory	Motion Sensor/Surge-Protective Device
PF	>0.9
Waterproof Rating	WET (IP65)

LED Type	2835（0.5W）
LED QTY	680 PCS
Housing	Aluminum
Housing color	**White**
Cover	PC cover

Operating Temperature	**-40°F to 122°F**
Operating Humidity	10％-90％ RH
Storage Temperature	**-40°F to 176°F**
Storage Humidity	10％-95％
Application	Indoor
Safety Certification	UL cUL
Warranty Time	5 Years

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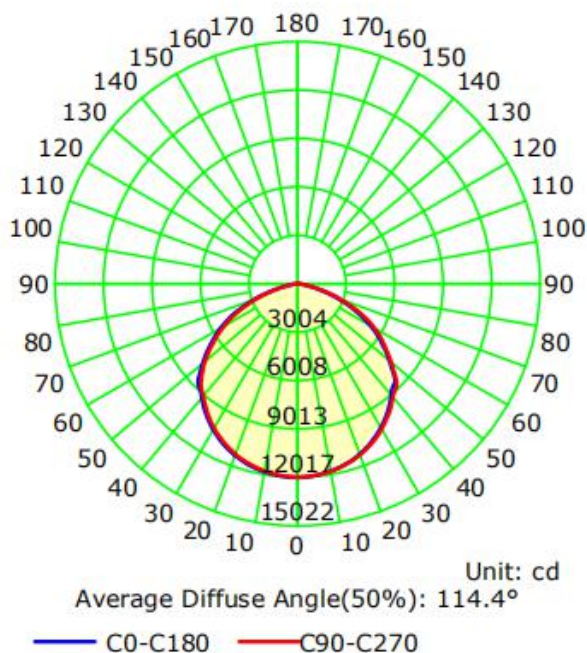
UFO Swingline
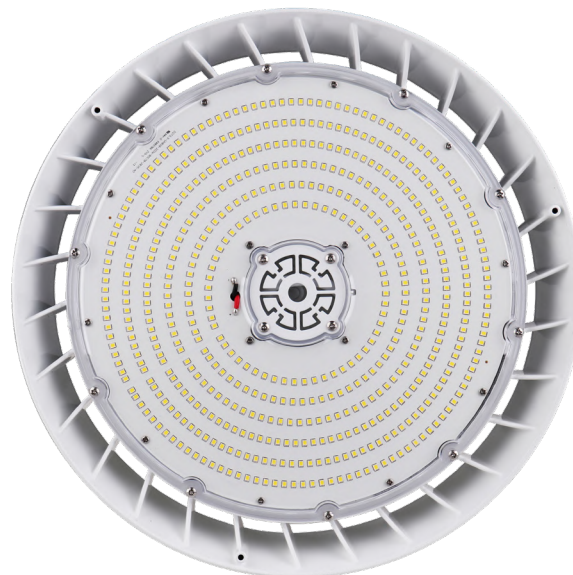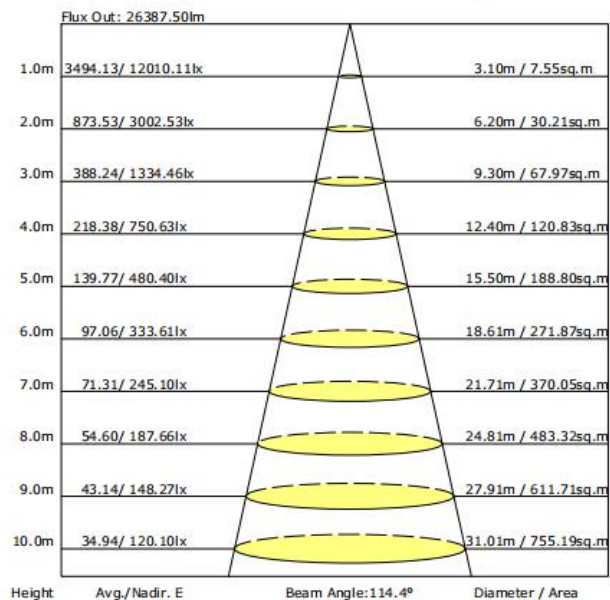# LED Round High Bay

240W Distribution Diagram

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

Unit: cd

Average Diffuse Angle(50%): 114.4°

C0-C180   C90-C270

The Average Illuminance Effective Figure

Flux Out: 26387.50lm

Height	Avg./Nadir. E		Beam Angle:114.4°	Diameter / Area
1.0m	3494.13/ 12010.11lx			3.10m / 7.55sq.m
2.0m	873.53/ 3002.53lx			6.20m / 30.21sq.m
3.0m	388.24/ 1334.46lx			9.30m / 67.97sq.m
4.0m	218.38/ 750.63lx			12.40m / 120.83sq.m
5.0m	139.77/ 480.40lx			15.50m / 188.80sq.m
6.0m	97.06/ 333.61lx			18.61m / 271.87sq.m
7.0m	71.31/ 245.10lx			21.71m / 370.05sq.m
8.0m	54.60/ 187.66lx			24.81m / 483.32sq.m
9.0m	43.14/ 148.27lx			27.91m / 611.71sq.m
10.0m	34.94/ 120.10lx			31.01m / 755.19sq.m

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UFO Swingline
LED Round High Bay

Installation

Cautions:
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.

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 & Instruction:

This led high bay light can be equipped with optional DC motion sensor, and is available with 1-10V dimming fuction, 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.

Green/Yellow
Brown/Black: ACL
Blue/White: ACN
Purple DIM+
Grey DIM-
Red DC12V+
black DC12V-

or

Green/Yellow
Brown/Black: ACL
Blue/White: ACN
Purple DIM+
Grey DIM-
Red DC12V

A

Green/Yellow
Brown/Black: ACL
Blue/White: ACN

B
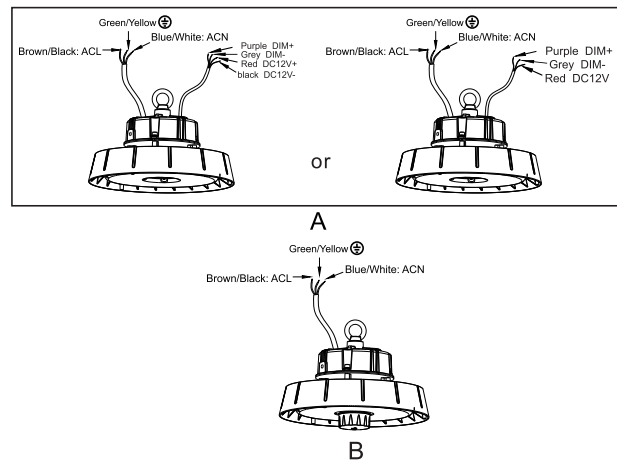
Installation Methods: Hook Mount, Ceiling Mount, 1/2"NPT Mount.(Please choose the most suitable installation method for the purchased produdct as per your needs)

Hook Mount:

1. Screw the hook into the fixture, and tighten. (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 make good protection on the connection.
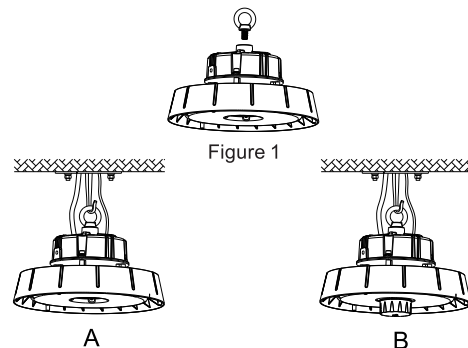

Figure 1

A   B

Figure 2

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Installation

Ceiling Mount:

1. Mark with a mark pen or sharp tool on the mounting surface and drill. (figure 3)
2. Fix screws into the holes with a or drill. (figure 4)
3. Align the bracket hole with screw hole (figure 5), and push the fixture to one side (figure 6) and secure it.
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 7)

1/2"NPT 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)
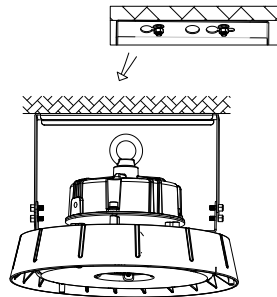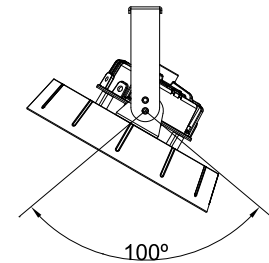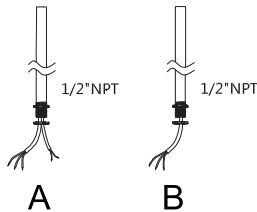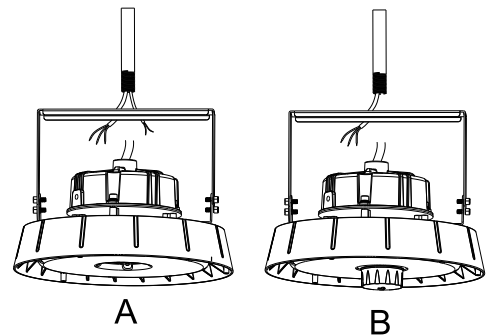
Figure 3

Figure 4
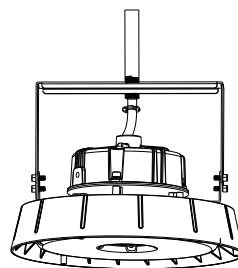
Figure 5

Figure 6

Figure 7

Figure 8

Figure 9

Figure 10

Figure 11

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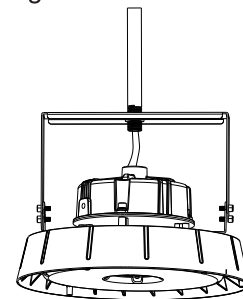
10

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UFO Swingline
LED Round High Bay

Installation

Installation of DC motion sensor

It could be easily installed without using any tools. Choose whether to install the motion ensor 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.
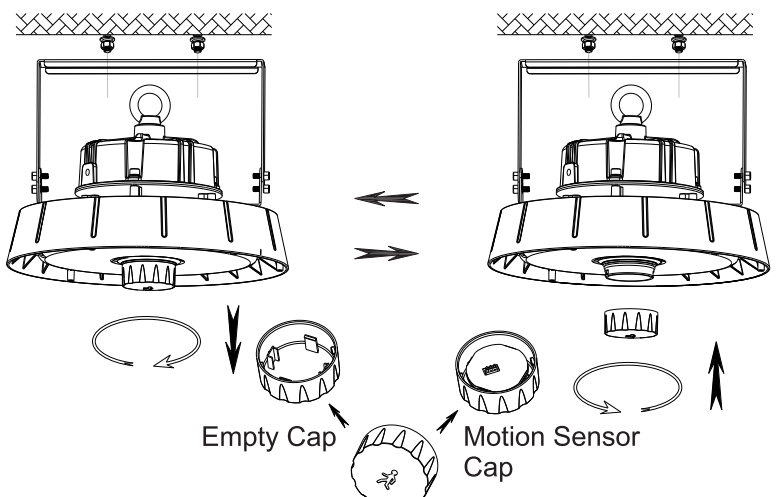
Empty Cap   Motion Sensor Cap

Figure 12

100W / 150W
Hook Mounted with optional Motion Sensor

240W
Hook Mounted with optional Motion Sensor

Motion Sensor Specifications - SKU 152598

Microwave Smart controller
Model:HB01DMS

Pink: +12V
Purple: DIM+
Gray: GND/DIM-

+12V DIM GND/DIM-
0-10V

LED Driver

L
N

Wiring diagram

56
41
ø56

23
10
M20

Unit:mm

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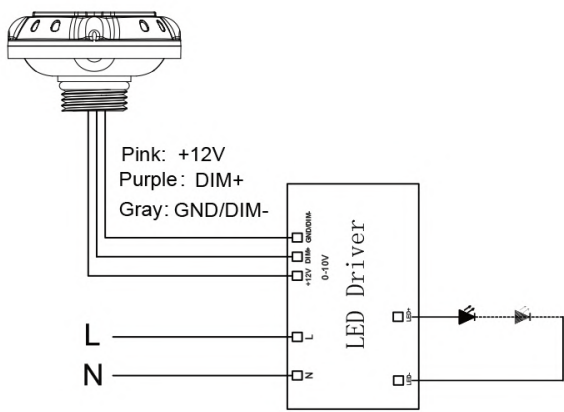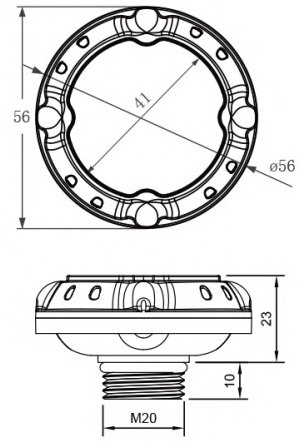
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Motion Sensor Specifications - SKU 152598

On/off control

Stand-by dimming level

Detection area

Remote control setting

Hold time

10-15M Highbay altitude

Daylight sensor

warranty 5 years

Stand-by period

01	Technical data	
	Operating voltage	12±2V DC
	Operating current	30mA
	Output	DIM 0-10V
	Stand-by power	<0.5W
	Brightness	70%/80%/90%/100%
	Sensitivity	20%/50%/75%/100%
	Hold time	10s/1min/10min/30min
	Daylight threshold	10Lux/30Lux/50Lux/100Lux/Disable
	Stand-by time	1min/30min/60min/+∞
	Stand-by dimming level	10%/20%/30%/50%
	Microwave frequency	5.8GHz±75MHz
	Microwave power	<0.5mW
	Detection angle	30-150°
	Control line	Pink:+12V; Purple:DIM+; Gray:GND/DIM-
	Mounting height	Max.15m(ceiling mounted)
	Detection range	Max.ø15m(ceiling mounted) Max.20m(wall mounted)
	Operating temperature	-30°C~+60°C
	IP rating	IP65

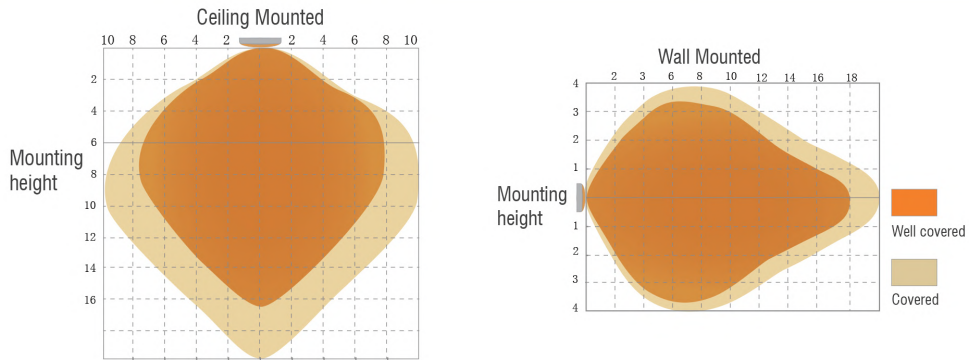### Optional Motion Sensor Bracket SKU: 152612

Optional Motion Sensor SKU: 152598

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LED HIGH BAY FIXTURES

Motion Sensor Specifications - SKU 152598

02 Detection coverage

Ceiling Mounted

Mounting height

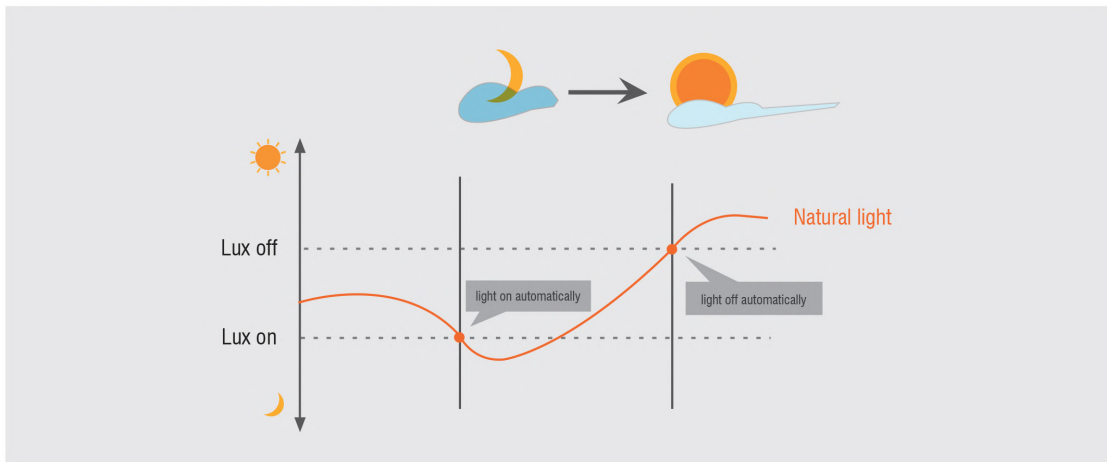### Wall Mounted

Mounting height

Well covered

Covered

03 Lux on/off

Adopted dual PD technology, HB01DMS-A/B is able to differentiate artificial light brightness from natural light after installed inside the fixture, and automatically turn off light when ambient brightness exceeds preset lux level.

Preconditions to use the Lux-off function:
1. Stand-by period is $+\infty$;
2. Stand-by dimming level is on 10%, 20%, 30% or 50%;
3. Daylight threshold is on 10Lux, 30Lux, 50Lux or 100Lux.

Natural light

Lux off

light on automatically

light off automatically

Lux on

04 Application——Lux on/off

Light automatically on when ambient brightness is lower than preset lux level.

With insufficient ambient brightness, light dims to 100% when motion detected.

Light dims to stand-by level if no motion detected after hold time.

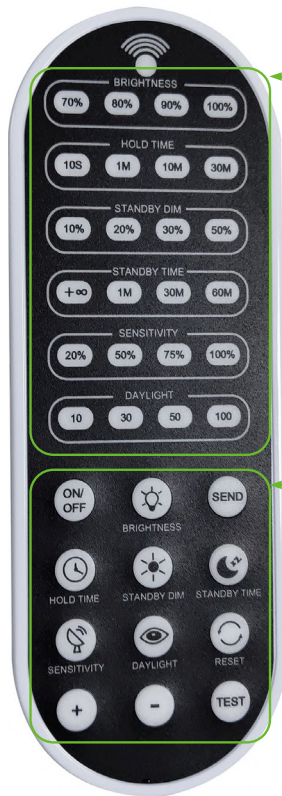Light off when ambient lux level is higher than preset lux amount.

UFO Swingline
LED Round High Bay

Motion Sensor Remote Control Specifications - SKU 152613

HB03R
Remote for dimmable sensors

Display Area

BRIGHTNESS (70%/80%/90%/100%)
DAYLIGHT (10lx/30lx/50lx/100lx)
STANDBY DIM (10%/20%/30%/50%)

HOLD TIME (10S/1min/10min/30min)
SENSITIVITY (20%/50%/75%/100%)
STANDBY TIME (+ ∞ /1min/30min/60min)

Button Setting Area

ON/OFF (Long press the "ON/OFF" button until the brightness indicator light is on(First-row).Press to turn on or turn off the fixture.)

BRIGHTNESS (Press to adjust dimming level 70%/80%/90%/100%.)

SEND (Press to save settings after each change.The indicator light confirms the save setting.)

HOLD TIME (Press to adjust hold time 10s/1min/10min/30min.)

DAYLIGHT (Long press the button until the daylight indicator light is on,press to adjust daylight threshold 10lx/30lx/50lx/100lx.)

SENSITIVITY (Press to adjust sensitivity 20%/50%/75%/100%.) Note: PIR Motion Sensor have no sensitivity setting,the default 100%.

STANDBY DIM (Press to adjust stand-by dimming level 10%/20%/30%/50%.)

STANDBY TIME (Press to adjust stand-by time +∞ /1min/30min/60min.)
Note: "+∞ "means unlimited stand-by time,and the light control mode is the light control priority mode, otherwise it's the light threshold mode.

RESET
Press "RESET"button,products with DIP switch will be controlled by DIP switches;Otherwise all the setting will change,which is Brightness 70%/ Hold time 10s/ Sensitivity 20%/ Daylight threshold disable/Stand-by dimming level 10% / Stand-by time+∞.

TEST
The button "TEST"is for testing purpose after debugging.Pressing this button,the sensor goes to test mode(hold time is only 3s).

+ Press to increase brightness(0-100%).

- Press to reduce brightness(100%-0%).

Attention

1. If you want to send a setting,it will only work if the remote control is on.If you don't press any button within 10 seconds,the indicator light will go out.

2. When using "ON/OFF"button,the rest buttons except the "ON/OFF","BRIGHTNESS"and"SEND"buttons will be disabled.

3. When using "TEST"button,the rest buttons except the "TEST","SENSITIVITY"and "SEND"buttons will be disabled.

4. Every change needs to press "SEND" button,it will be saved.

5. Beacuse of the power supply DIMMING ratio difference, when using different power, "BRIGHTNESS" and "STANDBY DIM" adjust percentage of the power will have difference with the measured power.

6. Light control priority mode: the on/off illumination values of each gear are 10lx/50lx, 30lx/100lx, 50lx/150lx and 100lx/200lx.

7. Light threshold mode:the on/off illumination values of each gear is 10lx/30lx/50lx/100lx , when the light intensity is less than set value and the movement of someone or an object is induced, the light is turned on to the preset brightness.

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UFO Swingline
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Packing

SKU #	Type	Pcs/Box	Dimensions	Weight	Pallet Quantity	Pallet Weight	Pallet Dimensions
151774	UFO	1	14" X 14" X 8"	9 Lb			
151773	UFO	1	14" X 14" X 8"	9 Lb			
151775	UFO	1	16" X 16" X 9"	12 Lb			
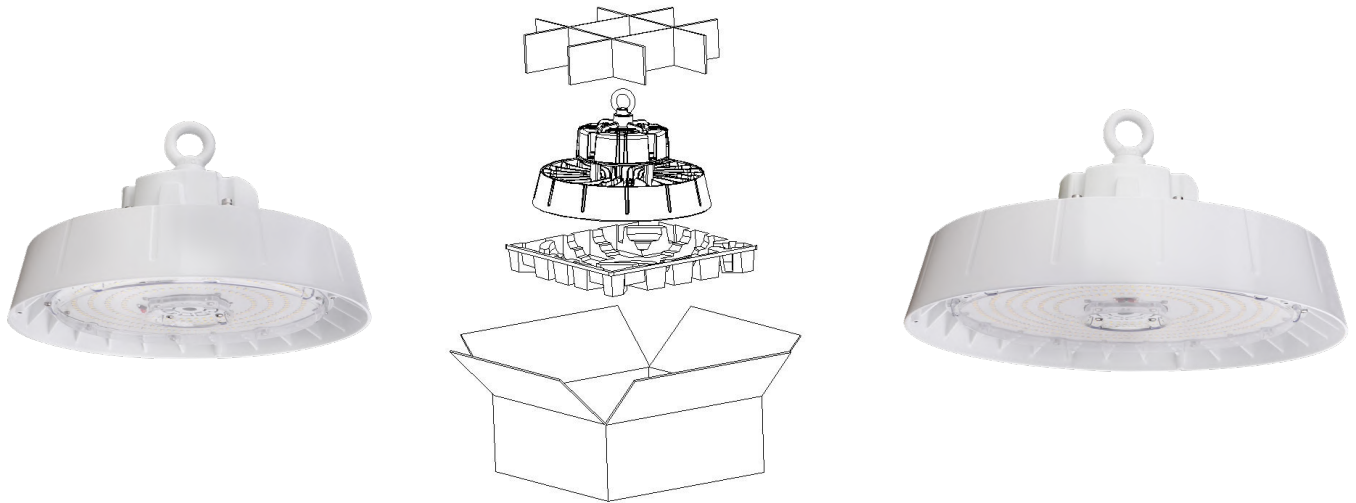
User Notice

• Please turn off the power before installing or changing assembly parts.

• The input voltage and lamps should be matching. Before connecting the power line, please make sure the wiring section is insulated.

• Only professionals should install and disassemble the lamps.

Trouble Shooting

• Flickering light   - Turn off the power and turn on again in 3 minutes. If the same phenomena occurs, then call Support.

• Not working   - Please check all power connections.

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LED HIGH BAY FIXTURES

UFO Swingline
LED Round High Bay

Application

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