



# LED HIGH BAY LIGHT

## DESCRIPTION

The LED Highbay HB43 Series is an industrial pendant luminaire which can be used as a basic light in warehouses, halls and production areas with a height of 4 to 14 meters. The Highbay HB43 Series has an efficiency up to 190 lumens per watt, with a minimum of 50% energy savings when replacing 250W and 500W HPL / HID / HPI / HQL luminaires. The LED Highbay HB43 Series is available in three models of beamangle 120 / 90 /60 degrees and three different wattages: 100W /150W / 200W .

Thanks to the IP65 and IK08 classifications, the luminaire is splash- and dust-resistant, which makes maintenance unrequired even in the most demanding environments. A 0-10V/DALI dimming function can be used to control the luminous intensity, which helps yield energy savings of up to 90%. Integrating the Highbay HB43 in the building management system is also possible. With low maintenance and replacement costs, you are guaranteed to great energy savings and a short payback period.



## APPLICATIONS



Industry



Warehouse



Station



Supermarket



Airport

## OPTIONAL

- Bracket Holder
- Daylight Sensor
- Motion Sensor

## SPECIFICATION



Model No.	Power (W)	Lumen (LM)	Efficacy (lm/W)	CCT (K)	CRI	Expected Lifespan (hrs)
HB43-100W	100	15000	150	3000K,4000K,5000K,5700K,6500K	80	L90B50: 50000hrs
HB43-150W	150	22500	150	3000K,4000K,5000K,5700K,6500K	80	L90B50: 50000hrs
HB43-200W	200	30000	150	3000K,4000K,5000K,5700K,6500K	80	L90B50: 50000hrs

## ACCESSORIES

EAN	Item Description
BH	Bracket Holder
DS	Daylight Sensor
PMS	Plug-in Motion Sensor
LS	Circular PC Lens 60/90/120°
PC	PC Diffuser With Cover
AR	Aluminium Reflector



BH

DS

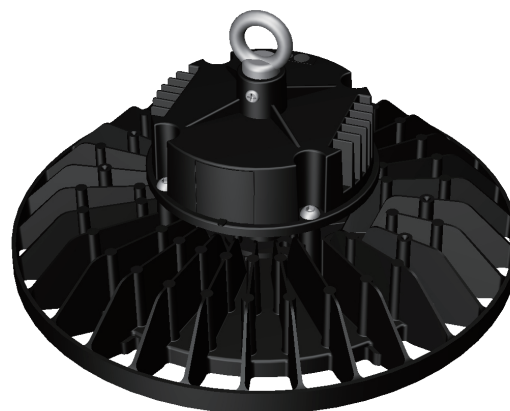
PMS



LS

PC

AR



## SPECIFICATION

### Technical Specifications

Dimmable	YES; 0-10V dimming
Beam Angle	60° / 90° / 120°
IP	IP65
IK	IK08
Protection Class	Class I
Integrated Driver (Yes/No)	YES, 0-10V
Glow Wire Test	650°

### Electrical Supply

Frequency (Hz)	50/60Hz
Voltage (V)	100-277V AC
AC/DC	AC
Displacement factor (DF)	≥ 0.95

### Mechanical Properties

Housing Material	Aluminium+Polycarbonate(PC)
Color (Housing)	Black
Optic	Polycarbonate

### Application

Operating Temperature	-40°C ~ +50°C
Storage Temperature	-40°C ~ +85°C

### Certifications

Driver Certifications	CE (EMC,LVD), SAA, UL,CB, ENEC,RoHS
Fixture Certifications	CE / RoHS / IP65
Test Reports	LM79 / LM80

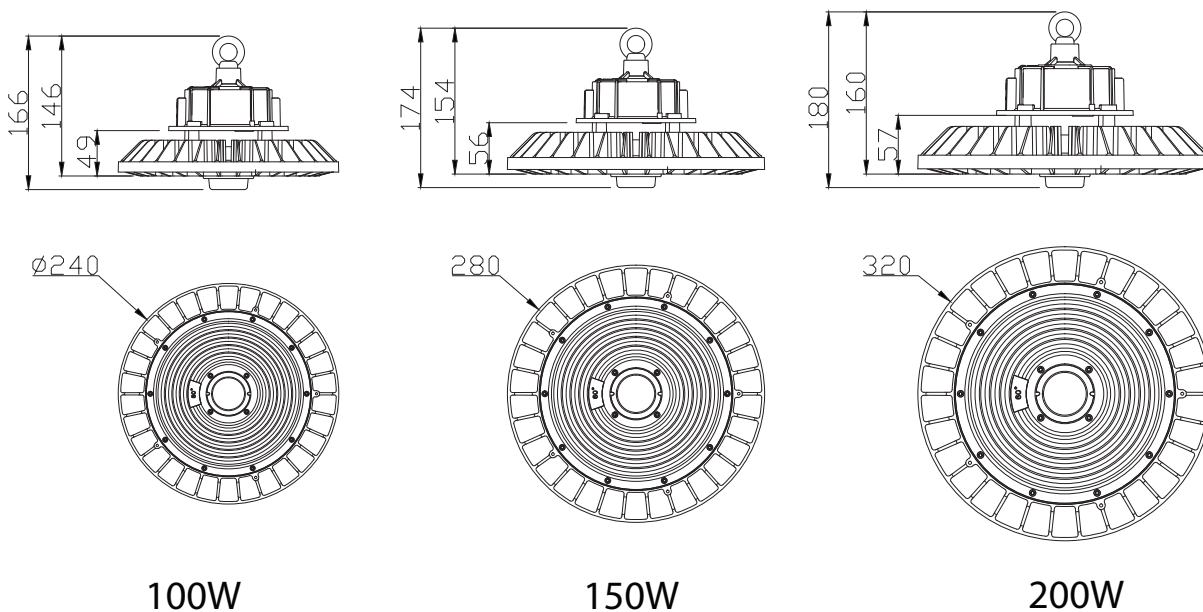
## PACKAGING INFORMATION

Model No.	Net Weight (kg)	Box 1 item	
		Dimension (mm) (LxWxH)	Gross Weight (kg)
HB43-100W	2.0	265*265*180	2.5
HB43-150W	2.5	305*305*190	3.0
HB43-200W	3.2	345*345*190	3.9

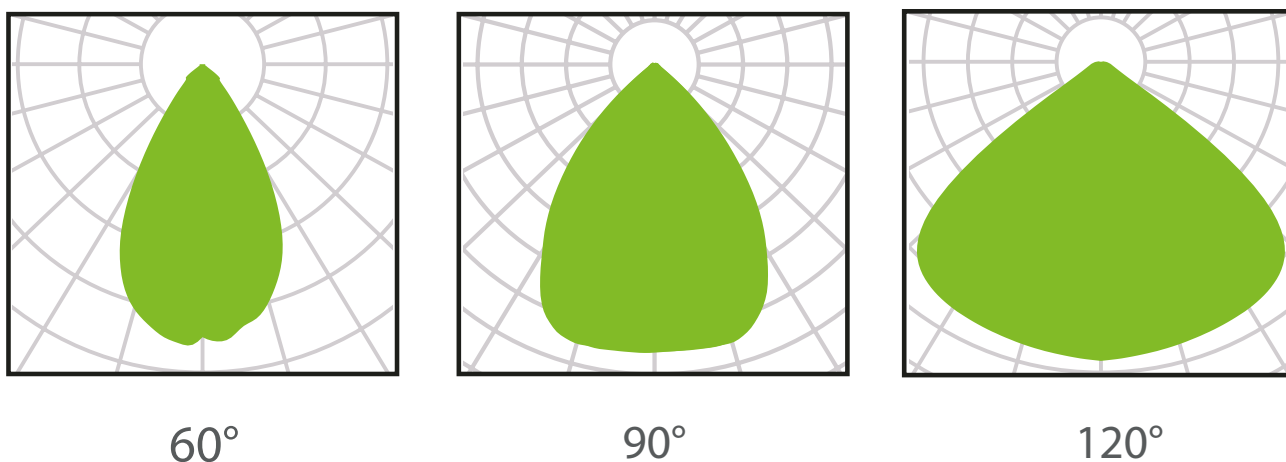
## SPECIFICATIONS DRIVER

Inrush Current	100W	150W	200W	Remarks
Driver				
Inrush current I <sub>peak</sub> (A)	80A	80A	80A	Input voltage 230V
Inrush current T <sub>100%</sub> (μs)	700μs	700μs	700μs	Input Voltage 230V measured at 50% I <sub>peak</sub>

## DIMENSIONAL DRAWING (mm)



## PHOTOMETRIC SPECIFICATIONS



## CONTROL OPTIONS

Add to the product part numbers to include these control options



Occupancy Control	DALI Control	TUYA Dimming Control	Zigbee Wireless Control	Daylight Sensor Control	Emergency Lighting Control
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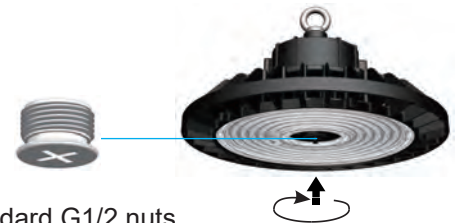
# Plug-in Microwave Motion Sensor UFO High Bay Light



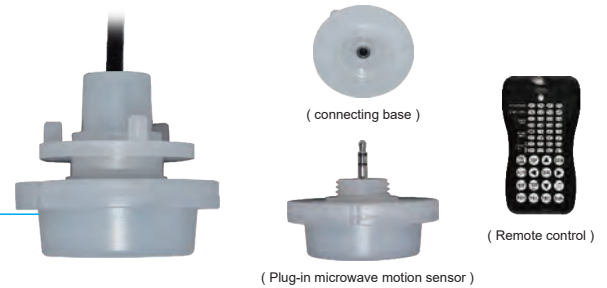
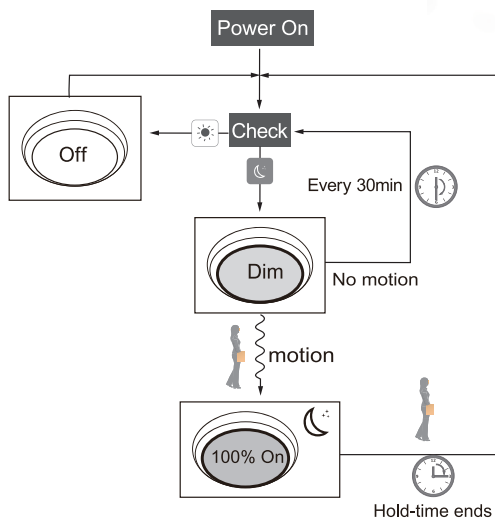
## Appearance:



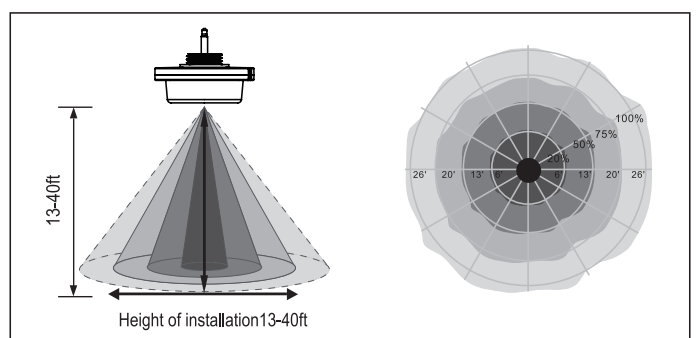
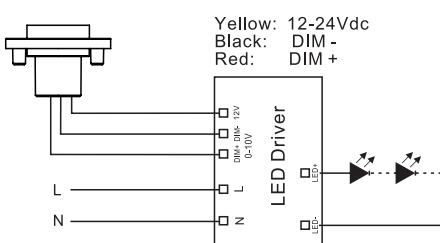
Two kinds of mounting



Standard G1/2 nuts  
When you don't need the sensor function



## WIRING DIAGRAMS



# Plug-in Microwave Motion Sensor UFO High Bay Light

## INTRODUCTION

This is a motion sensor that dims lighting from high to low based on movement. This slim, low-profile sensor is designed for installation inside the bottom of a light fixture body.

The sensors use microwave sensing technology that reacts to changes in movement within the coverage area. Once the sensor stops detecting movement and the time delay elapses lights will go from high to low mode and eventually to an OFF position if it is desired. Sensors must directly "see" motion of a person or moving object to detect them, so careful consideration must be given to sensor luminaire placement and lens selection. Avoid placing the sensor where obstructions may block the sensor's line of sight.

### ⚠ WARNING

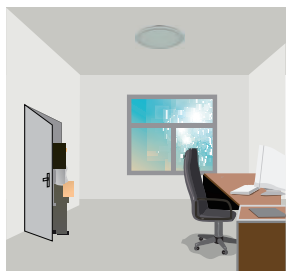
**NOTE:** Warm up time is 15seconds. After the sensor connects input power first time, the light will keep on 15seconds, then go to dimming to work normally.

**NOTE:** Factory Default Setting: 100% sensitivity, Hold on time: 5min, Daylight sensor is ☀, Dimming level: 30%, Dimming time: 60minutes.

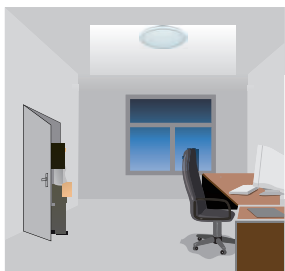
**NOTE:** Any setting changed by remote control, the led light that sensor connect will on/off as confirm.

## Corridor Function

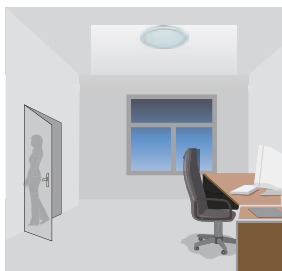
This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100%-->dimmed light (natural light is insufficient)-->off; and 2 periods of selectable waiting time: motion hold-time and stand-by period; Selectable daylight threshold and freedom of detection area.



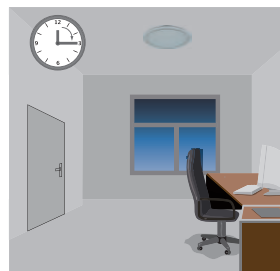
With sufficient natural light, the light does not switch on when presence is detected.



With insufficient natural light, the sensor switches on the light automatically when presence is detected.



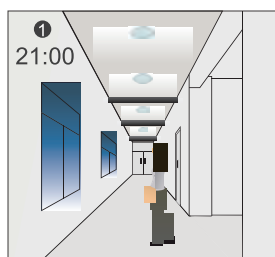
After hold-time, the light dims to stand-by level if the surrounding natural light is below the daylight threshold.



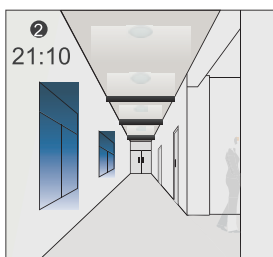
Light switches off automatically after the stand-by period elapses.

## Daylight Sensor Function

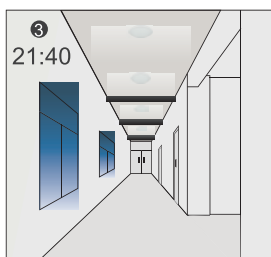
Open the daylight sensor by push  when remote control is in setting condition.



The light switches on at 100% when there is movement detected.



The light dims to stand-by level after the hold-time.



The light remains in dimming level at night.

Settings on this demonstration:

Hold-time: 30min

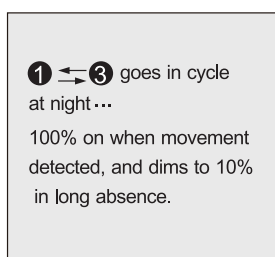
Setpoint on:50lux

Setpoint off:300lux

Stand-by Dim: 10%

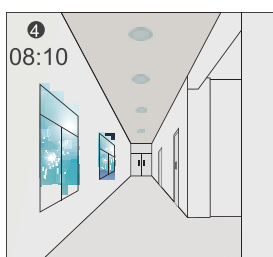
Stand-by period: +∞

(when the smart photocell sensor open, the stand-by time is only +∞)

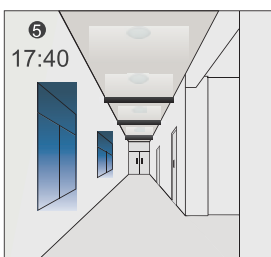


① ↔ ③ goes in cycle at night...

100% on when movement detected, and dims to 10% in long absence.



When the natural light level exceeds setpoint off to light, the light will turn off even if when the space is occupied.



The light automatically turns on at 10% when natural light is insufficient (no motion).



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Thanks to the IP65 and IK08 classifications, the luminaire is splash- and dust-resistant, which makes maintenance unrequired even in the most demanding environments. A 0-10V/DALI dimming function can be used to control the luminous intensity, which helps yield energy savings of up to 90%. Integrating the Highbay HB43 in the building management system is also possible. With low maintenance and replacement costs, you are guaranteed to great energy savings and a short payback period.



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HB43-200W	200	38000	190	3000K,4000K,5000K,5700K,6500K	80	L90B50: 50000hrs

## ACCESSORIES

EAN	Item Description
BH	Bracket Holder
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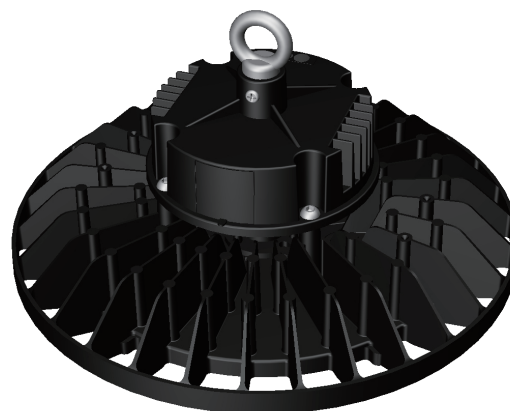
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## SPECIFICATION

Technical Specifications	
Dimmable	YES; 0-10V dimming
Beam Angle	60° / 90° / 120°
IP	IP65
IK	IK08
Protection Class	Class I
Integrated Driver (Yes/No)	YES, 0-10V
Glow Wire Test	650°

Electrical Supply	
Frequency (Hz)	50/60Hz
Voltage (V)	100-277V AC
AC/DC	AC
Displacement factor (DF)	≥ 0.95

Mechanical Properties	
Housing Material	Aluminium+Polycarbonate(PC)
Color (Housing)	Black
Optic	Polycarbonate

Application	
Operating Temperature	-40°C ~ +50°C
Storage Temperature	-40°C ~ +85°C

Certifications	
Driver Certifications	CE (EMC,LVD), SAA, UL,CB, ENEC,RoHS
Fixture Certifications	CE / RoHS / IP65
Test Reports	LM79 / LM80

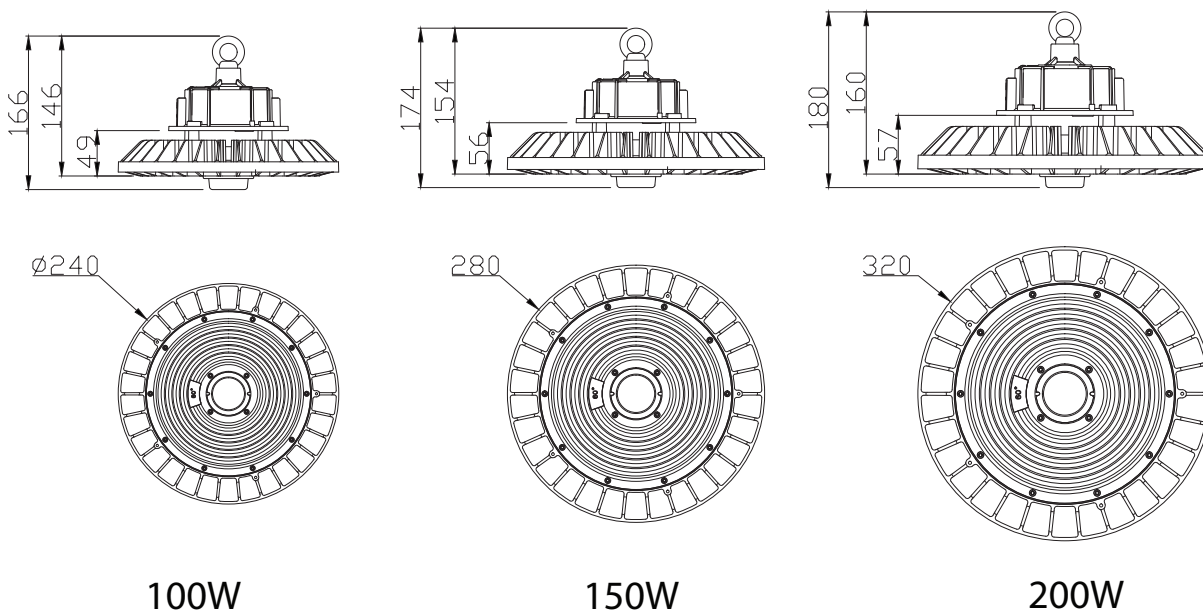
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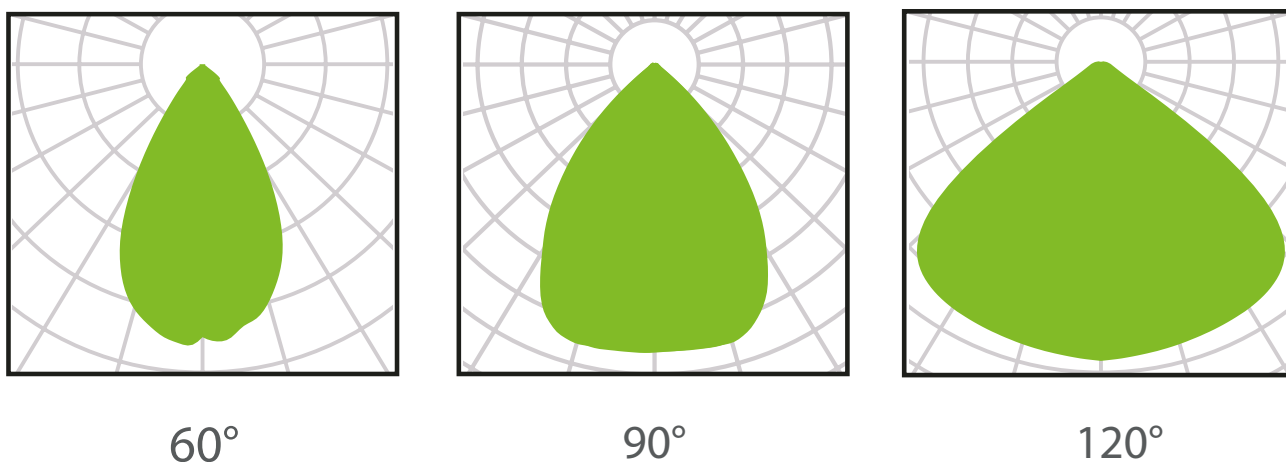
## SPECIFICATIONS DRIVER

Inrush Current	100W	150W	200W	Remarks
Driver				
Inrush current I <sub>peak</sub> (A)	80A	80A	80A	Input voltage 230V
Inrush current T <sub>10%</sub> (μs)	700μs	700μs	700μs	Input Voltage 230V measured at 50% I <sub>peak</sub>

## DIMENSIONAL DRAWING (mm)



## PHOTOMETRIC SPECIFICATIONS



## CONTROL OPTIONS

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