



DEEP ROOF LIGHTING INC.

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UFO High Bay K-series



Microwave



ETL DLC

- ⇒ Efficacy: Up to 160 lm/w
- ⇒ LED Chip: LUMILEDS
- ⇒ SDCM: <5
- ⇒ Beam Angle: 60°/90°/120° PC lens
- ⇒ IP Rating: IP65
- ⇒ Controls: Microwave sensor(optional)
- ⇒ Installation: Eye Bolt/Bracket



SKU	LHBO-K100	LHBO-K150	LHBO-K200
Wattage	100W	150W	200W
Lumen Output	16,000 lm	24,000 lm	32,000 lm
Luminous Efficacy	160 lm/w		
CCT	3000K/4000K/5000K/5700K/6500K		
CRI	Ra≥70 (Ra≥80 optional)		
Input Voltage	100-277 VAC		

ITEM CODES

LHBO-K100-D(40/50)-D1-(W)

100W, Φ308mm, 4000/5000K, Dimm 0-10 VDC, BK/WH

LHBO-K150-D(40/50)-D1-(W)

150W, Φ308mm, 4000/5000K, Dimm 0-10 VDC, BK/WH

LHBO-K200-D(40/50)-D1-(W)

200W, Φ405mm, 4000/5000K, Dimm 0-10 VDC, BK/WH

LHBO-K-PCR1A

PC clear cone reflector, for 100/150W, standard

LHBO-K-PCR1A-BC

Bottom Cover for PC clear cone reflector, for 100/150W, standard

LHBO-K-PCR2A

PC clear cone reflector, for 200/240W, standard

LHBO-K-PCR2A-BC

Bottom Cover for PC clear cone reflector, for 200/240W, standard

LHBO-K-OS

Microwave Occupancy Sensor, 15 M range

LHBO-K-RH

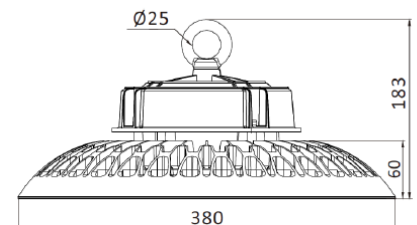
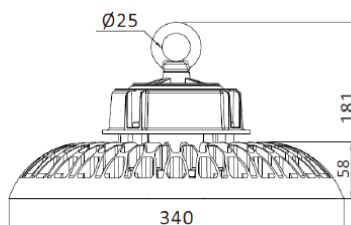
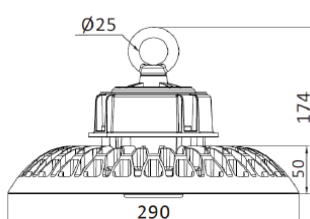
Remote control handset

LHBO-K-ZJ

ZJ Bracket

LHBO-K-SSC

Sensor Socket Cover

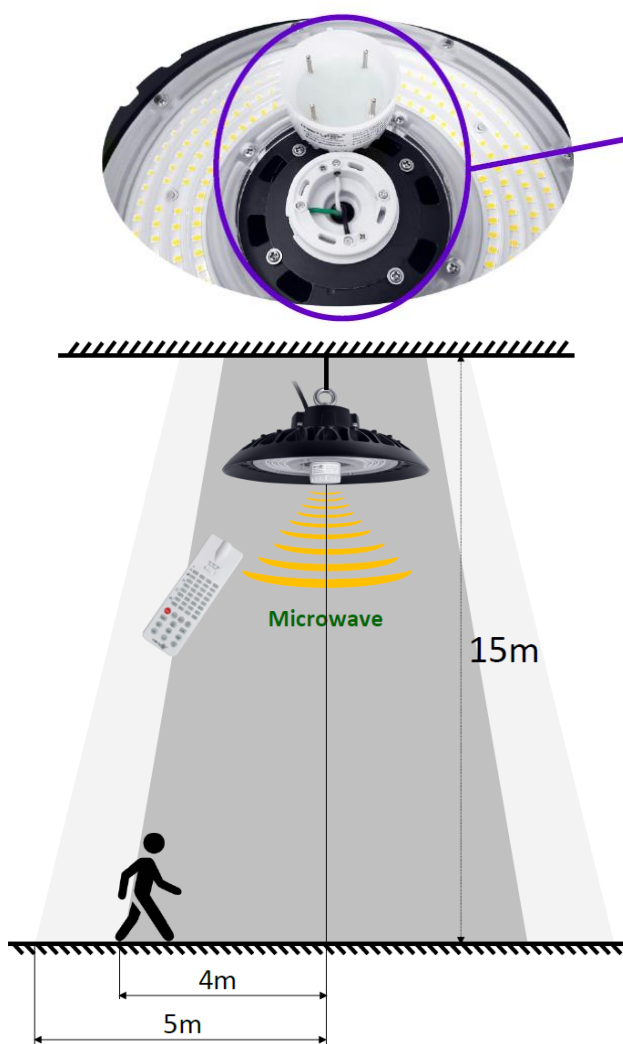


Microwave Sensor Details



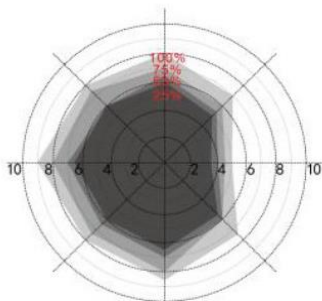
Features

- ⇒ Patent plug-in design structure, sensor part can be easily mount after sale.
- ⇒ IP65 water-proof, long detection range when install 15m height.
- ⇒ Easy to wire inside sensor by screw terminals.



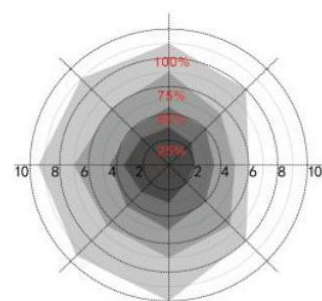
Operating Frequency	5.8GHz \pm 75MHz, ISM band
Working Mode	ON/OFF, Dimming
Hold Time	5S/30S/1min/3min/5min/10min/20min/30min
Standby Dimming Level	10%/20%/30%/50%
Standby Period	0S/10S/1min/3min/5min/10min/30min/+ ∞
Detection Area	25%/50%/75%/100%
Daylight Sensor	Daylight threshold: 5lux/15lux/30lux/50lux/100lux/150lux/Disable
Daylight Priority	ON/OFF value: (5lux/15lux/30lux/50lux)/150lux; 100lux/200lux; 150lux/300lux
Mounting Height	<15 meters
Detecting Angle	150°(wall mounting), 360°(ceiling mounting)

Ceiling mounted height: 3m
Sensitivity: 100%/75%/50%/25%



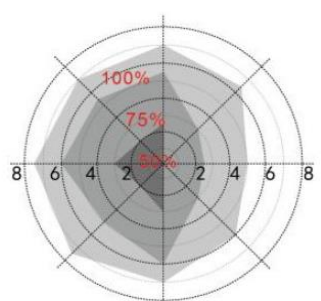
Normal moving (Speed:1m/s)

Ceiling mounted height: 12m
Sensitivity: 100%/75%/50%/25%

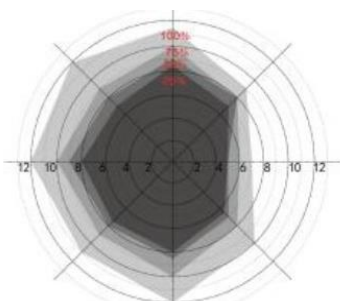


Normal moving (Speed:1m/s)

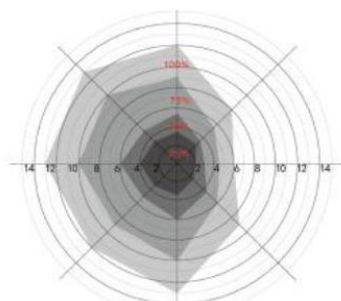
Ceiling mounted height: 15m(*)
Sensitivity: 100%/75%/50%



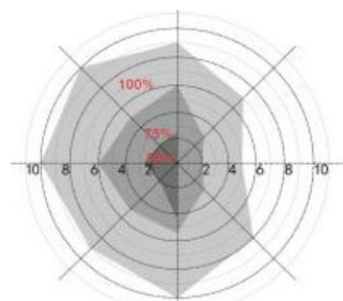
Normal moving (Speed:1m/s)



Slow moving (Speed 0.3m/s)

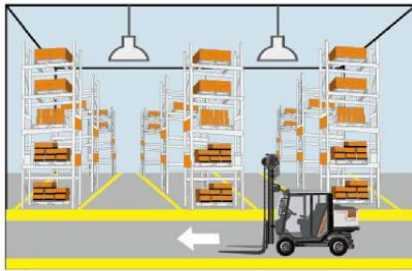


Slow moving (Speed 0.3m/s)

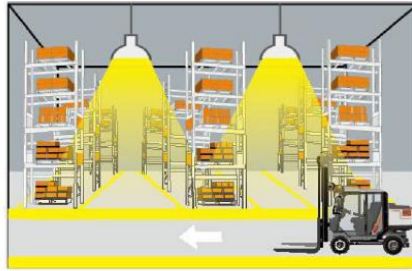


Slow moving (Speed 0.3m/s)

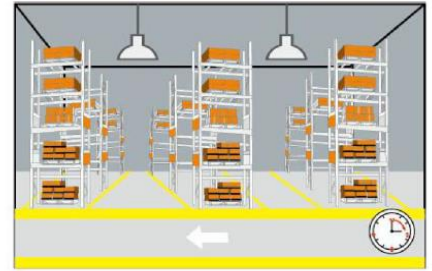
⇒ **On/OFF Function (stand-by period be set to "0"s)**



- ① With sufficient ambient light, the light will not be switched on even if with motion signal.

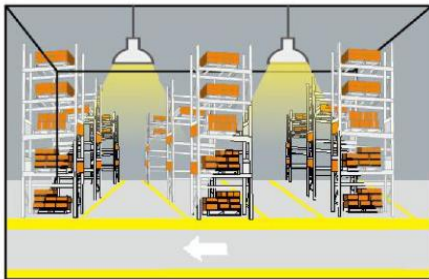


- ② With insufficient ambient light, the sensor switches on the light when motion is detected.

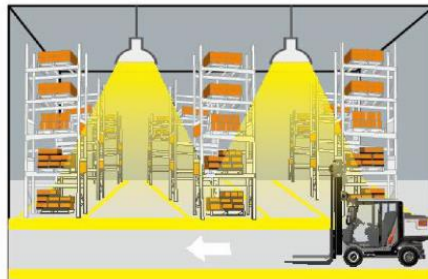


- ③ After elapse of hold time, the sensor switches off the light when no motion is detected.

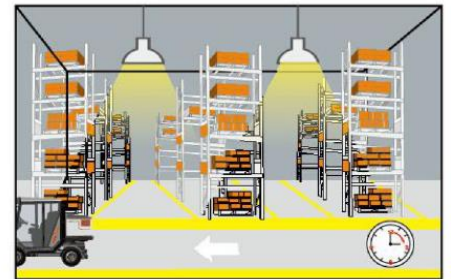
⇒ **2-step dimming function (stand-by period be set to "+∞")**



- ① If there is no motion detected, the light will be remained at a low light level all the time.

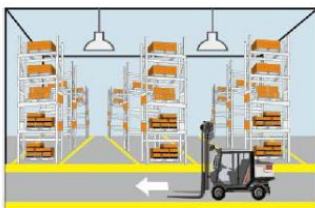


- ② When motion is detected, the sensor will switch on the light to 100% brightness

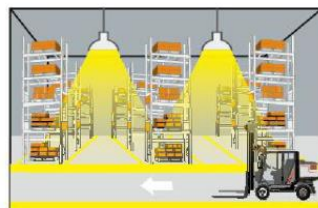


- ③ After elapse of hold time, the sensor dims the light at the present low light level if no motion is detected.

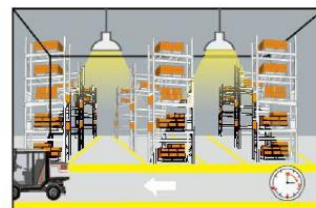
⇒ **3-step dimming function (stand-by period be set to "10S/1min/3min/5min/10min/30min")**



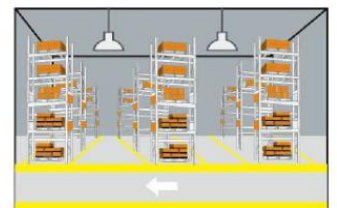
- ① With sufficient ambient light, the light will not be switched on even if with motion signal.



- ② With insufficient ambient light, the sensor switches on the light when motion is detected.

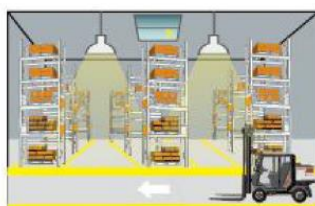


- ③ After elapse of hold time, the sensor dims the light at a low light level if no new motion is detected.

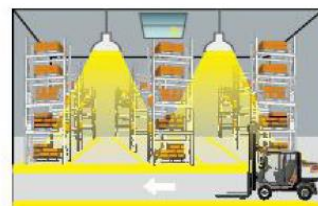


- ④ After elapse of standby period, the sensor switches off the light if no motion is detected in the detection zone.

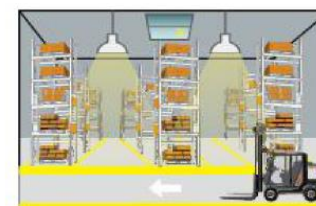
⇒ **Daylight priority (stand-by period set to +∞)**



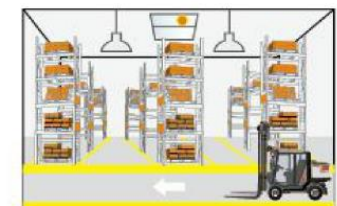
- ① Lamp turns on at low light level 10% in the night.



- ② Motion detected, lamp automatically lights up to 100%.

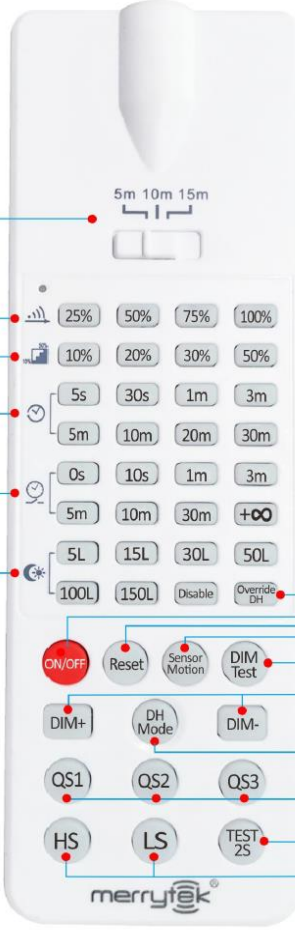


- ③ After hold time, the lamp gradually dims to a low light level 10% if no movement detected.



- ④ Lamp turns off after dawn.

Remote Control Description



Button	Remarks																												
	Long press this key "3S" to restore the ordinary light control threshold function.																												
	Press "ON/OFF" button, the light goes to constant on/off mode, sensor is disabled. Press any button to quit from this mode and the sensor starts to work.																												
	Press "RESET" button, all parameters are same as setting of DIP switch or factory settings.																												
	Press "Sensor motion" button, the light quits from the constant on/off mode, and the sensor starts to work (The latest setting stays in validity).																												
	Press "DIM Test" button, the 1-10VDC dimming works to test whether the 1-10 VDC dimming ports are connected properly. After 2S, it returns to the latest setting automatically.																												
	Short press "DIM+/DIM-" button to transmit dimming signal. The brightness of the lamp adjusts at 5% per unit. (not applicable for MC054V RC2)																												
	Long press > 3S, sensor will take current light level as target lux level, to dim up/down load automatically according to the change of ambient light level. (not applicable for MC054V RC2)																												
<div style="display: flex; justify-content: space-around;"> <div> QS1 QS2 QS3 </div> <div> <table border="1"> <thead> <tr> <th>Scene Options</th> <th>Detection</th> <th>Hlod Time</th> <th>Stand-by period</th> <th>Stand-by dim level</th> <th>Daylight Sensor</th> <th>Induction model</th> </tr> </thead> <tbody> <tr> <td>QS1</td> <td>100%</td> <td>30S</td> <td>1min</td> <td>10%</td> <td>5lux</td> <td>Hs</td> </tr> <tr> <td>QS2</td> <td>100%</td> <td>1min</td> <td>3min</td> <td>10%</td> <td>10lux</td> <td>Hs</td> </tr> <tr> <td>QS3</td> <td>100%</td> <td>5min</td> <td>10min</td> <td>10%</td> <td>30lux</td> <td>Hs</td> </tr> </tbody> </table> </div> </div>	Scene Options	Detection	Hlod Time	Stand-by period	Stand-by dim level	Daylight Sensor	Induction model	QS1	100%	30S	1min	10%	5lux	Hs	QS2	100%	1min	3min	10%	10lux	Hs	QS3	100%	5min	10min	10%	30lux	Hs	<p>Note: Detection area/Hold time/Stand-by period/Stand-bay dim level/Daylight sensor can be adjusted by pressing the corresponding button. The latest setting will stay valid.</p>
Scene Options	Detection	Hlod Time	Stand-by period	Stand-by dim level	Daylight Sensor	Induction model																							
QS1	100%	30S	1min	10%	5lux	Hs																							
QS2	100%	1min	3min	10%	10lux	Hs																							
QS3	100%	5min	10min	10%	30lux	Hs																							
	Press the "TEST 2S" button can enter the test mode anytime. At the mode, the sensor parameters as below: Detection Area is 100%, Hold Time is 2S, Stand-by Dim Level is 10%, Stand-by Period is 0S, daylight sensor disable. This function only for testing. Quit the mode by preeing "RESET" or any other function buttons.																												
<div style="display: flex; justify-content: space-around;"> <div> HS LS </div> <div> LS </div> </div>	<p>Press "HS" button to set the detection area to be high sensitive. Press "LS" button to set the detection area to be low sensitive. The adjustment bases on the "Detection Area" parameter you set.</p>																												

Daylight Sensor

Set up daylight threshold: 5lux/15lux/30lux/50lux/100lux/150lux/disable.

Stand-by period

Set up stand-by time: 0S/10S/1min/3min/5min/10min/30min/+∞.

Hold time

Set up hold time: 5S/30S/1min/3min/5min/10min/30min.

Stand-by dim level: 10%/20%/30%/50%.

Detection Area

Set up detection area: 25%/50%/75%/100%.

Remote Distance

Toggle button can set the remote distance of remote control and sensor.

Remote control and code setting conversion

- DIP switch setting convert to remote control press and bottom except "RESET" on the remote control, and the sensor settings convert to the function cirrently selected by the remote control. (No function button settings invalid)
- Remote control convert to DIP switch setting:
 - Press the "RESET" button on the remote control, and all settings return to the DIP switch settings of the sensor.
 - Turn off the power, toggle any DIP switch, connect to the power, and all settings return to the DIP switch settings when supply power again.