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SPECIFICATION

（GK04B High bay light sensor type）

Features

■ Adopting Lepower led light sources, 8% light efficiency higher than the same type lights in the market, with higher light transmittance up to 98%。
■ Duct type thermal design, reduce the weight of the light and ensure good heat dissipation, lower luminous decay, and also extend life span of the leds.
■ Low energy consumption， matching high efficiency constant-current driver, 60% energy saving; with good resistance to over-current, over-voltage, lightning, high temperature, which fully ensure long life span and high stability of the products.
■ Durable lights with long life span up to 50000 hours; No need frequent replacements of lights and regular maintenance.
■ Green environmental protection, no UV light and infrared radiation, no mercury pollution
■ Nice appearance and non-fouling properties, Protection class IP65.
■ Work without strobe, fast transient response;A wide range of working voltage.
■ Multi-chips packaged in one led, which ensure high stability and also reduce the death rate of the leds.

Intelligent controller function description

■ Full automatic induction: the person moves the inductive trigger lights up the lamp, the person leaves automatically delays to turn off the lamps and lanterns.
■ Noil ambient light induction: it can adjust any light inductor or all-weather induction.
■ Automatic delay time: switch induction after connect, the delay time, the human body in the induction activities, will continue to be open, switch did not switch when the human body in the induction activity will delay shut down.

Applications

The products are mainly used for energy-saving lighting in factory lighting, lighting, sports center, gas station, parking lot, waiting room, railway station, port and wharf.

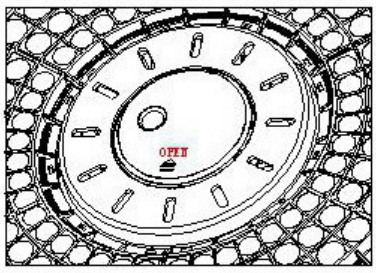
Parameters

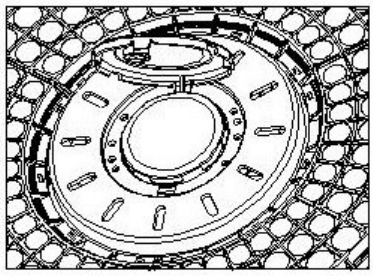
No.	Item	Features	
1	Model NO.	LY-GK04B-180	
2	Power	180W	
3	CCT	3000K/4000K/5000K/6000K	
4	Beam angle	90°	
5	Chip brand	Bridgelux 5050	
6	Leds qty.	126pcs	
7	CRI	>70	
8	Efficiency	160lm/w±5lm	
9	Lumen	>28500lm	
10	IP Rate	IP66	
11	Working voltage	90-305V	
12	UGR	<17	
13	Working temperature	-40℃~50℃,20%~90% H.R	
14	Storage temperature	-40℃~85℃10%~90% H.R.	
15	Power efficiency	93%	
16	PF	>0.98	
17	Lifespan	50000H	
18	Housing material	Aluminum alloy	
19	Light size	Φ400*215mm	±5mm
20	Packing size	460*460*260mm	±5mm
21	Light N.W.	4.8kg	±0.1kg

Sensor's Parameters

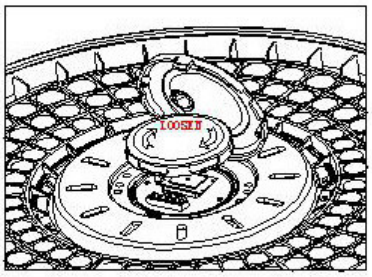
Item	Parameters
The input voltage	85～265Vac 50/60Hz
Static power	≤1.5W
The rated load	800W (capacitive load) 1200W (drag load)
Working frequency	The 5.8 GHz + 75 MHZ, ISM wave band
The sensor	Microwave motion detector
PWM dimming	0～10Vdc
PWM drive (pull current)	10V: 9mA 0.5V: 30mA
PWM drive capacity (irrigation current)	30mA(MAX)
Test area (radius)	14m Max
Maximum mounting height	10m
Movement speed	0.5m/s～3m/s
Transmission power	<0.5mW
Keep the time	5s/30s/90s/3min/20min/30min
Waiting for time	10min/30min/60min/+∞
Waiting for brightness	25%/50%/75%/100%
Ambient light threshold	0-50lux、50-100lux、100-300lux、off
Surge protect	4-6KV

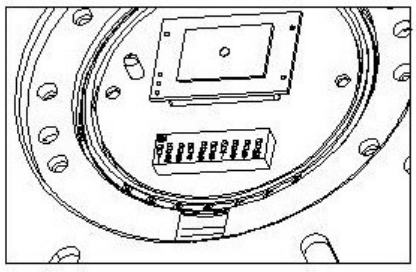
Dialing function Settings and operation instructions





1. Open the two covers.





2. Screw sensor's cover,set the code as SPEC.

Application function of the controller is set according to ten dial the code switch to decide, each two groups will dial the code respectively corresponding to an application functions, each function has the function of the four specific state, the following functions and several set of each group in turn dial the code state to do:

Code opening status description:

1, ON the side is 1 (1 represents the open state);

2, the Arabic numeral side is 0 (0 indicates the closed state).

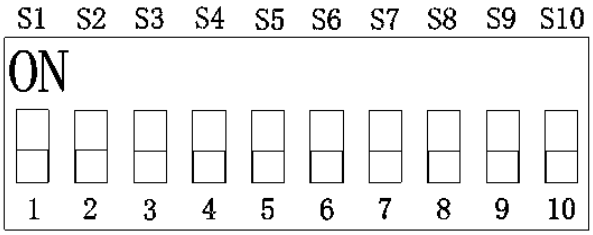


Figure 1 (10 dialing switch)

A. induction detection zone Settings

Microwave sensor detection range is based on distance as the radius of a circle detection area, such as check to the movement in the area of the set of testing signal, the controller will automatically open the lamps and lanterns, as far as can be induced to 8 m, switch "S1" state of the state of "1" and "0", you can set different distance detection area.As shown in figure 2:

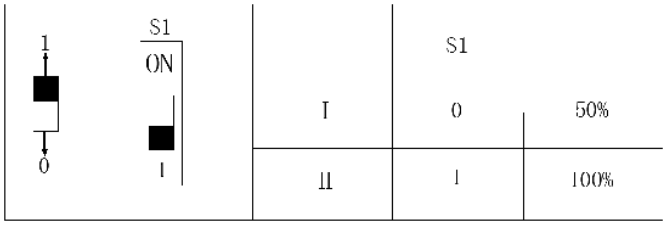


Figure 2 (sensing area setting switch)

Note: the above detection distance measurement is 1.6m to 1.7m and the speed of moving is 0.5 to 1 m per second.If you change anything, the distance will change.

B. Keep the time setting

Time can be set up to 30 seconds to 30 minutes, adjust the setting of lamps and lanterns will according to the specified time to enter a state of half light, if motion is detected within a specified time signal timing. Again this time will be advised to choose the shortest possible time to detect function is normal.The state of "S2", "S3" and "S4" is the state of "1" and "0", which can detect the corresponding state of functions. As shown in figure 3:

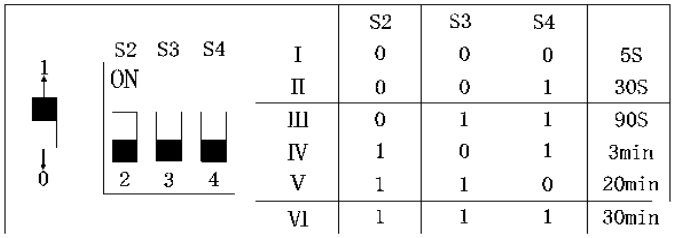
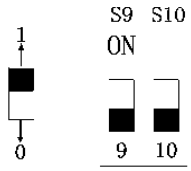


Figure 3 (keeping time setting switch)

C. environmental light threshold setting

Choose light intensity response range of 10 lux - 300 lux, identifiable natural light intensity automatic induction switch lamps and lanterns, when set to close mode, the sensor will automatically switch to the lamps and lanterns regardless of the ambient light levels can be induced detection.Switch the state of "S9" and "S10", namely "1" and "0", to detect the corresponding state of the function.

As shown in figure 4:

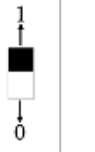


	S9	S10	
I	0	0	OFF
II	0	1	0-50Lux
III	1	0	100-200Lux
IV	1	1	200-300Lux

Figure 4 (ambient light threshold setting switch)

D. Brightness setting

In the case of power failure, the luminance state of the lamp is set, and the initial brightness adjustment of the lamp is adjusted from 25% to 100%. The state of the switching switch "S7" and "S8" is the state of "1" and "0", which can detect the corresponding state of the function.As shown in figure 5:



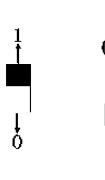
	S7	S8	
I	0	0	25%
II	0	1	50%
III	1	0	75%
IV	1	1	100%

Figure 5 (brightness setting switch)

E. shutdown time Settings

This setting is to adjust the sensor from no one to the semi-bright state to extinguishing standby time, switching the state of "S5" and "S6", namely "1" and "0", to detect the corresponding state of the function.

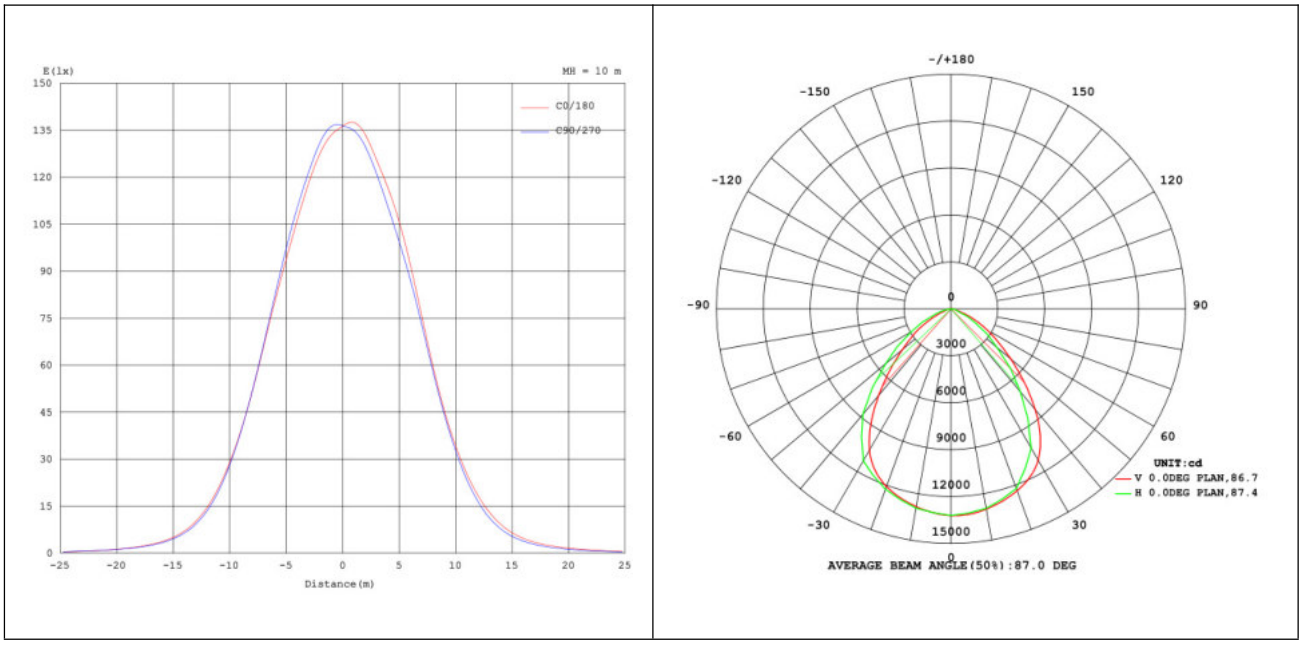
When set to "+ infinity" mode, the luminaires will remain semi-bright until the signal is re-detected. As shown in figure 6:



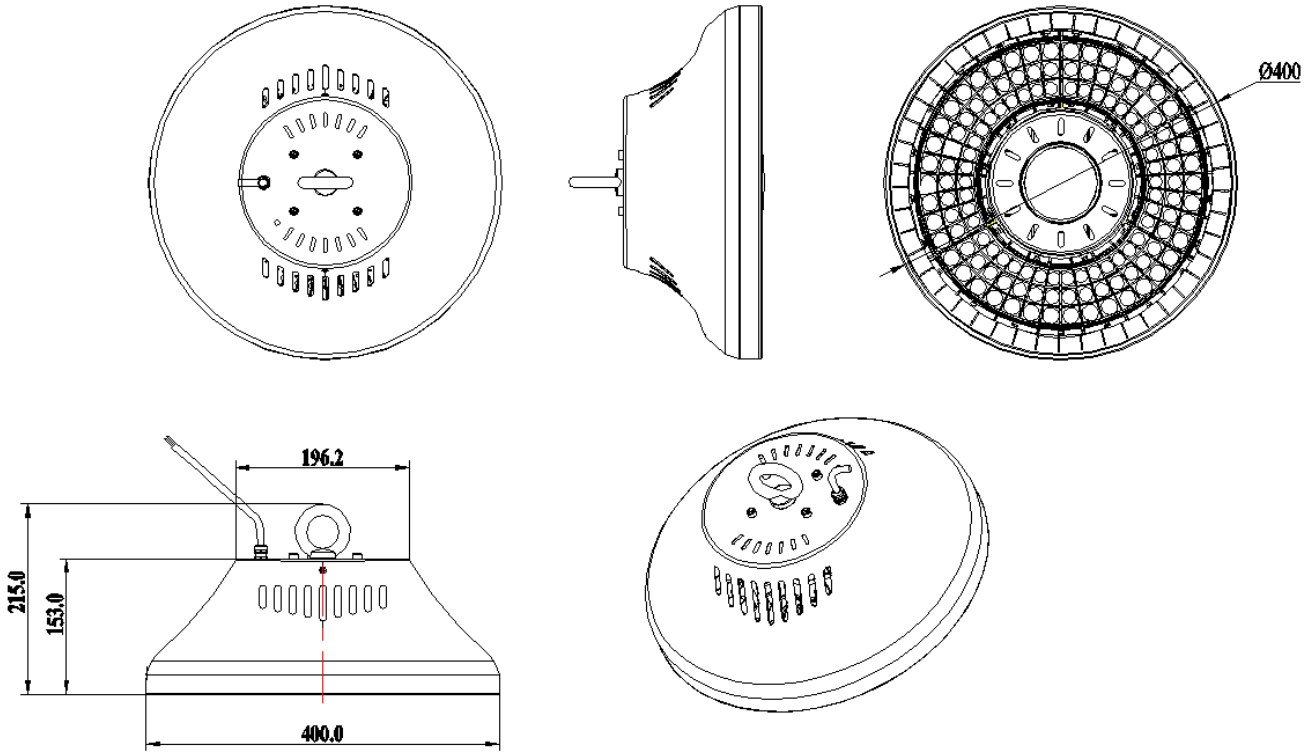
	S5	S6	
I	0	0	10min
II	0	1	30min
III	1	0	60min
IV	1	1	+∞

Figure 6 (shutdown time test switch)

Plane illuminance& Light distribution curve

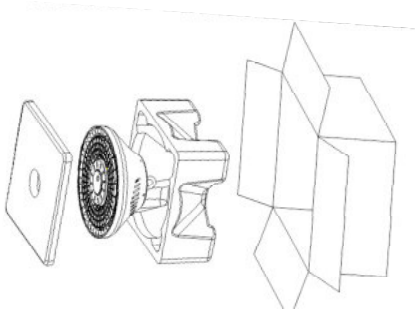


Product size

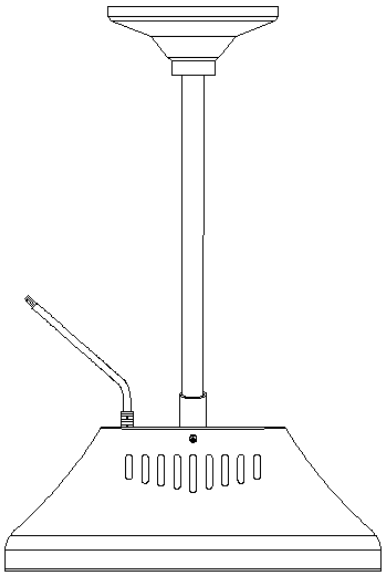


Packing

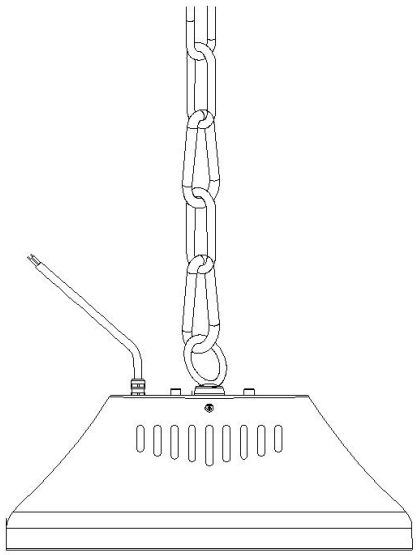
1PCS/CTN:460*460*260mm
N.W.:4.8KG G.W.: 5.8KG



Installation



(Boom type)

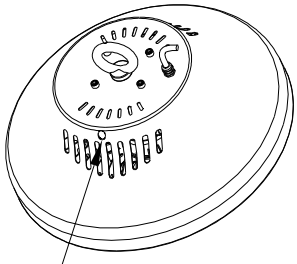


(Hook type)

1. After the power is cut off, the lamp shall be suspended in the installation position to ensure the fastness of the hoisting.
2. Connect the lamp power cord and the power cord of the project to the ground line of the line in line with the blue line of the blue line, the line of fire and the yellow and green line;
3. Stay away from the luminaires, turn on the power switch to detect whether the lamps are lighting properly.

Maintenance instructions and maintenance instructions

1. Cut off the power.
2. Remove the power cord of replacement parts and remove the screws.
3. Remove replacement parts for replacement.
4. Reattach the replacement parts and connect the power conductor of the cable.
5. Lock the screws.
6. Maintenance done.



Screw in the hole