



# LED Corn Light

## BRIGHTEN YOUR LIFE

NEW LED TECHNOLOGY THAT ALLOWS THE COEXISTENCE OF ENVIRONMENTAL PROTECTION AND ENERGY SAVING

### Benefits

1. MH/HPS/HID/MHL/CFL lamp retrofit
2. Screw Base Direct Install by bypass ballast
3. 100% Die Casting Heat Sink
4. Universal Base E26/E27E39/E40/EX39
5. ETL CETL CE ROHS listed



20W~60W



80W~150W



Microwave Type



Dimmable Type

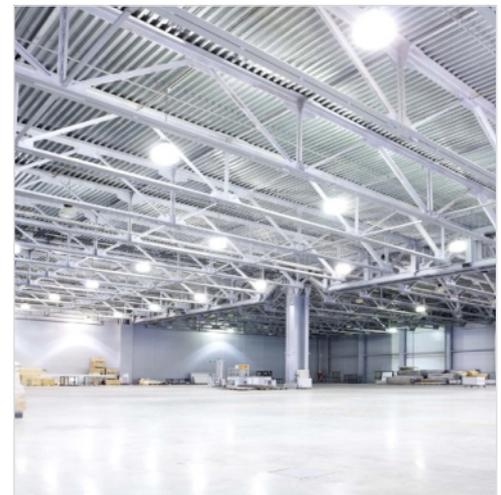
## Features

1. Beam angle:360 degrees.
2. Aluminum heat sinks and active air exchanging cooling system in order to speed up heat dissipation.
3. It's major to replace the CFL/MH/HID/HPS.
4. Green, energy saving, long and reliable life of 50,000 hours.
5. No RF interference, No IR/UV radiation ,no mercury pollution.
6. Wide colour availability in degrees Kelvin(K),2700-6700K.
7. Streamline exterior design, beautiful appearance.
8. Environment friendly ,energy saving (70~80%).
9. Special circuit design, each LED work separately, avoiding the single broken LED influence problem.



## Application

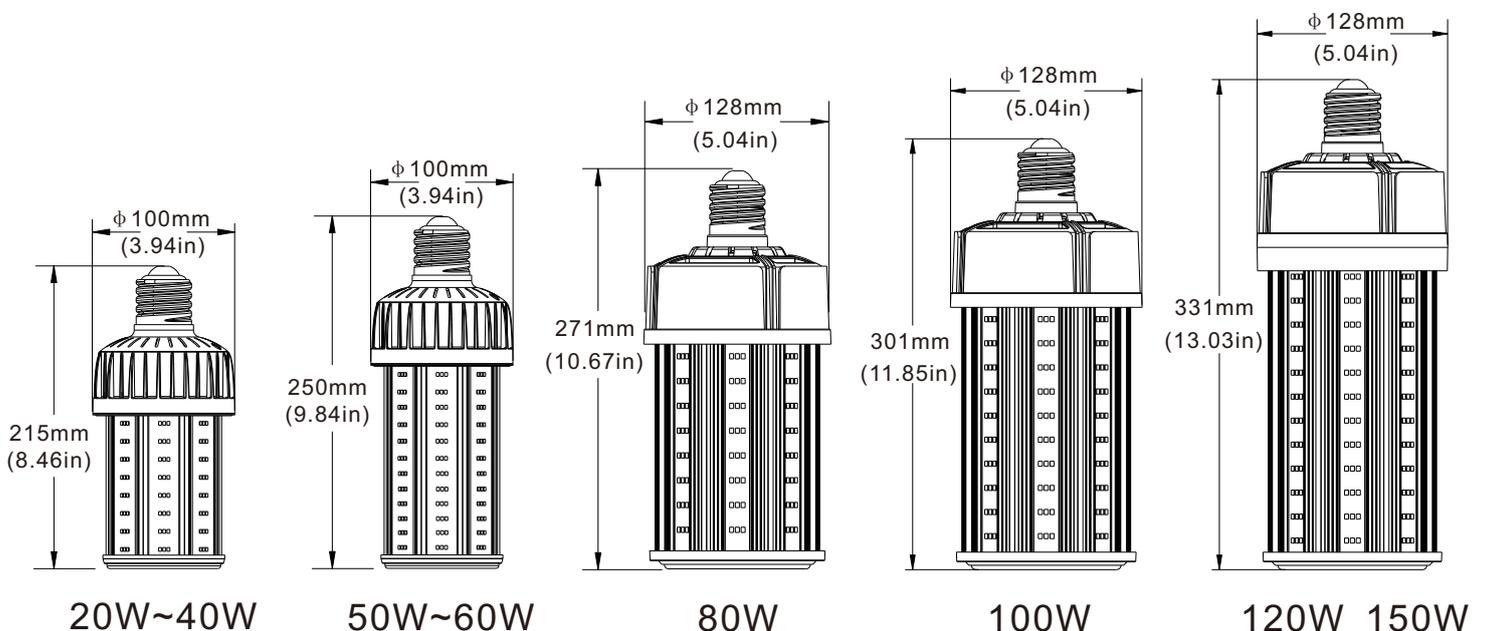
1. Sports Light/Post Top Light.
2. Flood Light/Pole Light.
3. High/Low Bay Light
4. Roadway Light/Street Light/Billboard Light.
5. Other application roadway.



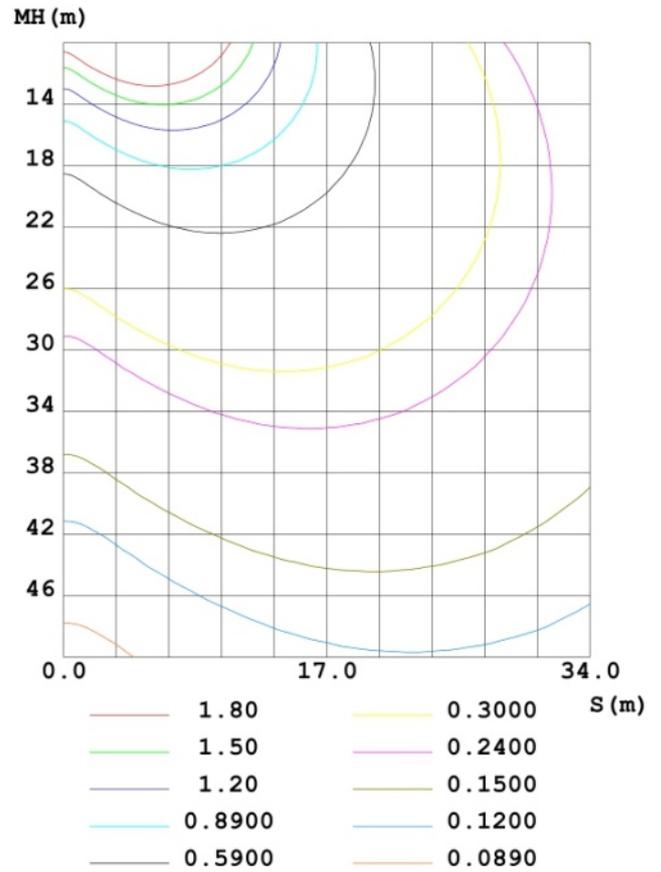
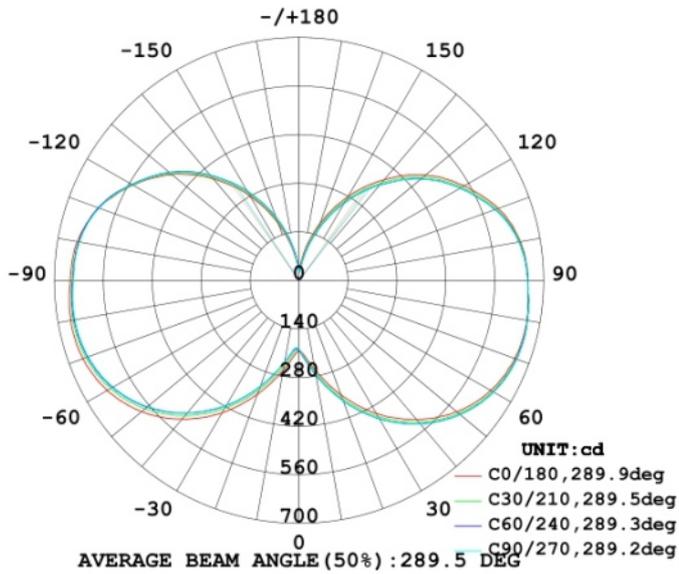
# SPECIFICATIONS

Power	20W	30W	40W	50W	60W	80W	100W	120W	150W
Model	BB-HJD-20W-P	BB-HJD-30W-P	BB-HJD-40W-P	BB-HJD-50W-P	BB-HJD-60W-P	BB-HJD-80W-P	BB-HJD-100W-P	BB-HJD-120W-P	BB-HJD-150W-P
Luminous Flux	2600lm	3900lm	5200lm	6500lm	7800lm	10400lm	13000lm	15600lm	19500lm
Replacement	HPS 50W	HPS 100W	HPS 120W	HPS 150W	HPS 200W	HPS 250W	HPS 300W	HPS 350W	HPS 400W
Light Source	SMD LED								
Luminous Efficacy	>130lm/w								
Operation Temp.	-40 to +45°C								
CCT	2700K SW / 3000K WW / 4100K NW / 5000K DW / 5700K CW								
CRI	80+								
Life Span	50,000 hours at 25°C								
Voltage	100-277VAC/50-60HZ    200-480VAC available								
Driver	Internal Power Supply								
Dimming	Standard: Not dimmable;    Dimmable optional.								
Sensor	Standard: No sensor;    Microwave sensor optional.								
Remote Control	Standard: No remote;    Remote control optional.								
Beam Angle	360°								
Cover	Transparent cover(default)								
Lamp Base	20W~60W:E26/E27/E39/E40/Ex39; 80W~150W:E39/E40/Ex39, If you want the E26/E27, we can have an additional conversion lamp base.								
PF	>0.95								
Warranty	5Years								

# DIMENSIONAL DRAWING



# LUMINOUS INTENSITY DISTRIBUTION



## PROJECTS

By using our 80W LED Corn Bulb to replace 250W Metal Halide bulb for garden hall path lighting fixtures, the customer is now able to save a lot per month from his electric bill.



Replace



80W LED = 250W MH

### Note:

- Don't take the LED lamp apart.
- The LED lamp must work under the right voltage according to the specification.
- Must remove the Ballast, Capacitor, Ignitor before installing our LED Light.

# MICROWAVE MOTION SENSOR

\*The microwave motion sensor is not provided by default, If you need, please contact sales.



Microwave motion sensor



On/off control



Detection area



Hold time



Daylight sensor



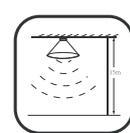
Stand-by period



Stand-by dimming level



Remote control setting



10-15M Highbay altitude

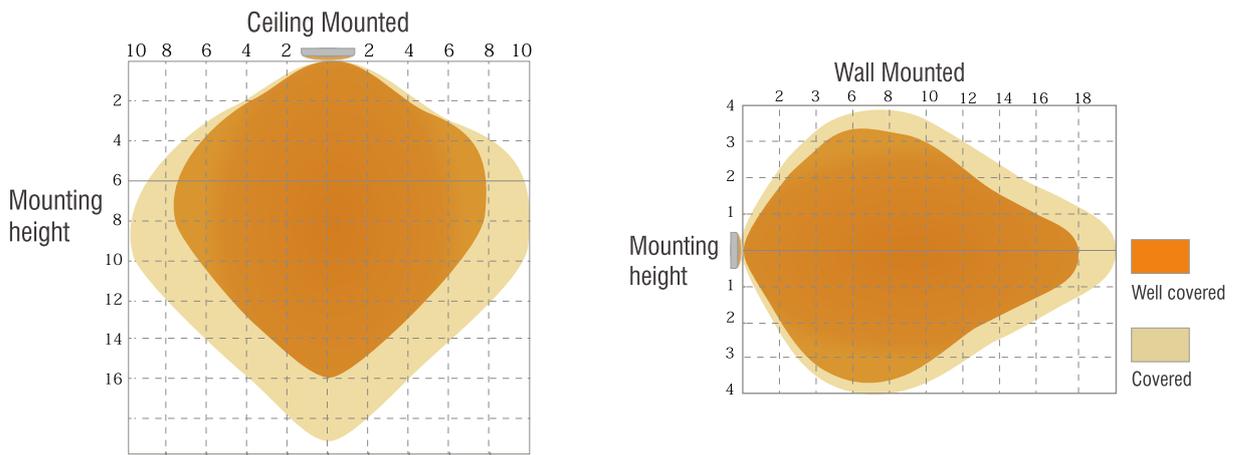


5 year warranty

## Technical data

Operating voltage	10-15V DC
Operating current	30mA±5%
Output	DIM 1-10V
Stand-by power	<0.5W
Detection area	25%/50%/75%/100%
Hold time	5s/30s/1min/3min//5min/10min/20min/30min
Daylight threshold	2Lux/10Lux/50Lux/Disable
Stand-by period	0s/10s/30s/1min/5min/10min/30min/+∞
Stand-by dimming level	10%/20%/30%/50%
Microwave frequency	5.8GHz±75MHz
Microwave power	<0.3mW
Detection angle	30-150°
Control line	Red 12V; Black GND; White -; Yellow +
Mounting height	Max.15m(ceiling mounted)
Detection range	Max.ø14m(ceiling mounted) Max.20m(wall mounted)
Operating temperature	-20°C~+60°C
IP rating	IP20

## Detection coverage

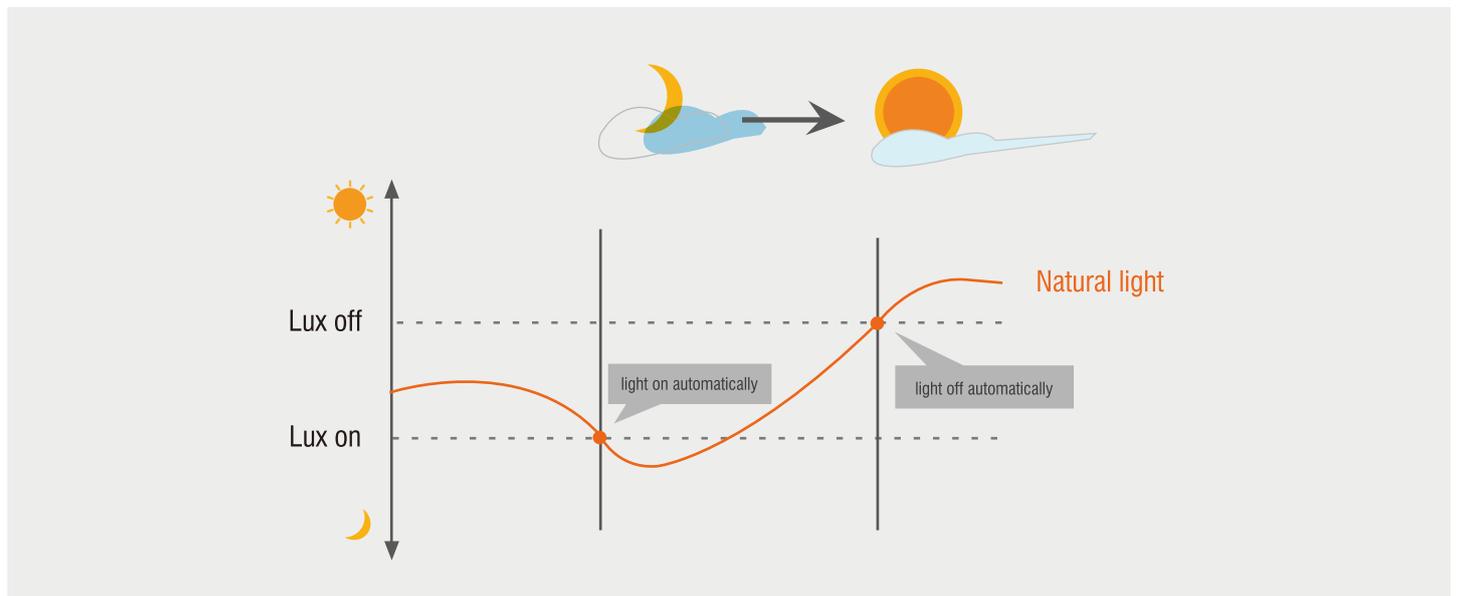


## Lux on/off

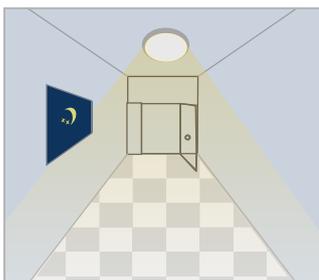
Adopted dual PD technology, the sensor is able to differentiate artificial light brightness from natural light after installed inside the fixture, and automatically turn off light when ambient brightness exceeds preset lux level.

Preconditions to use the Lux-off function:

1. Standby period is  $+\infty$ ;
2. Standby dimming level is on 10%, 20% or 30%;
3. Daylight threshold is on 30Lux, 50Lux, 80Lux or 120Lux.



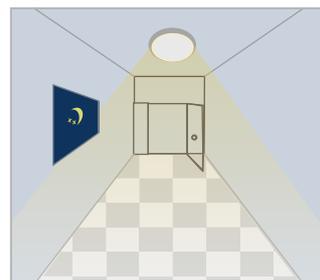
## Application---Lux on/off



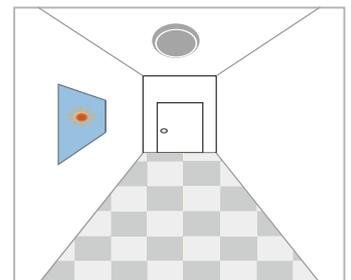
Light automatically on when ambient brightness is lower than preset lux level.



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



Light dims to standby level if no motion detected after holdtime



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

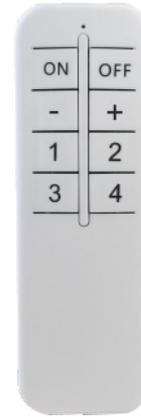
# Remote Control

\*The remote control is not provided by default, If you need, please contact sales.



**RC01**

Remote control for microwave type



**RC02**

Remote control for dimmable type

## Remote control RC01



● **ON/OFF**

- \* Press the "ON/OFF" button, the light keeps permanently on or off.
- \* Press "Auto Mode", "RESET" or "Scene mode" buttons to quit from this mode.

● **Auto Mode**

- \* Press "Auto Mode" button, the sensor starts to work and all settings remain the same before the light gets switched on/off.

● **Reset**

- \* Press "RESET" button, products with DIP switch will be controlled by DIP switches.

● **Scene Mode**

Scene Mode	Detection	Hold-time	Daylight threshold	Stand-by period	Stand-by dimming level
Sc1	100%	30s	2Lux	1min	10%
Sc2	100%	5min	10Lux	10min	10%
Sc3	100%	10min	50Lux	30min	10%
Sc4	100%	30min	Disable	+∞	10%

● **Test**

- \* The button "Test (2s)" is for testing purpose after commissioning. Pressing this button, the sensor goes to test mode (hold time is only 2s) automatically, stand-by period and daylight sensor are disabled. This mode can be ended by pressing "reset", "Auto mode", "scene mode" or "hold time". The sensor setting is changed accordingly. Brightness settings: Disable. Test mode can press any key to exit this mode.

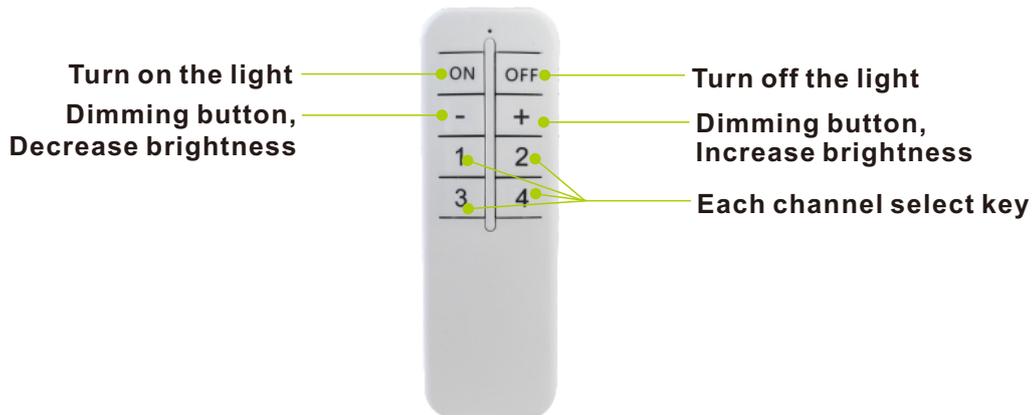
 On/off control	There are 4 fixed scene modes program built-in the remote control to choose for different applications.
 Detection area	Press the button "detection range" to set detection range as 100% / 75% / 50% / 10%.
 Hold-time	Press the button "hold-time" to set hold-time as 5s / 30s / 1min / 3min / 5min / 10min / 20min / 30min .
 Daylight threshold	Press the button "daylight sensor" to set daylight threshold as 2Lux / 10Lux / 30Lux / 50Lux / 80Lux / 120Lux / disable.

 Stand-by period	Press the button “stand-by period” to set stand-by period as 0s / 10s / 30s / 1min / 5min / 10min / 30min / +∞. Note: “0s” means on/off control; “+∞” means bi-level dimming control.
 Stand-by dimming level	Press the button “stand-by dimming level” to set the stand-by dimming level as 10% / 20% / 30% / 50%.

### Sensor installation method:

- \* The distance between the inductor and the sensor is 4m wide;
- \* Recommended installation of sensor suction ceiling height 3-6m;
- \* Wall mounting height suggested 1-1.8m;
- \* The remote controls the most remote distance 15 meters (in different places remote control distance will have the deviation).
- \* Weight (including battery): 56.5g.

### Remote control RC02



### Function:

- \* **Wireless remote control, you can remotely control the light switch.**
- \* **Can control the lights of 4 groups of channels, each group is independent. Multiple lights can be set for each group.**
- \* **The remote control distance is 10-20m.**
- \* **Dimming function, you can increase and decrease the brightness of the lamp.**
- \* **Must be used with dimming driver.**

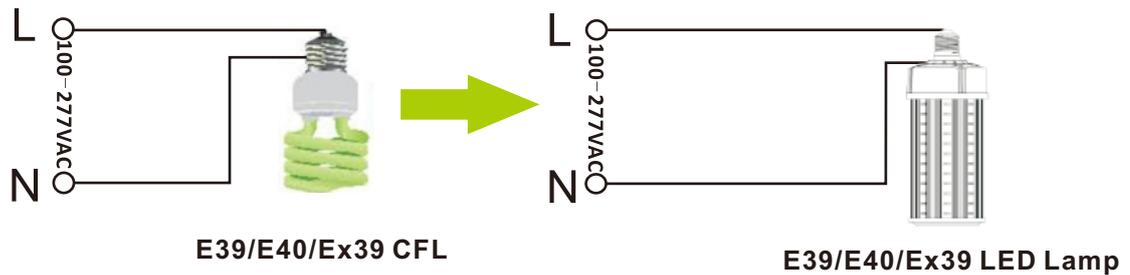
### Note:

- \* The corn light without sensor and the corn light with sensor can be equipped with RC02 remote control.
- \* Only corn light with sensor can be equipped with RC01 remote control.

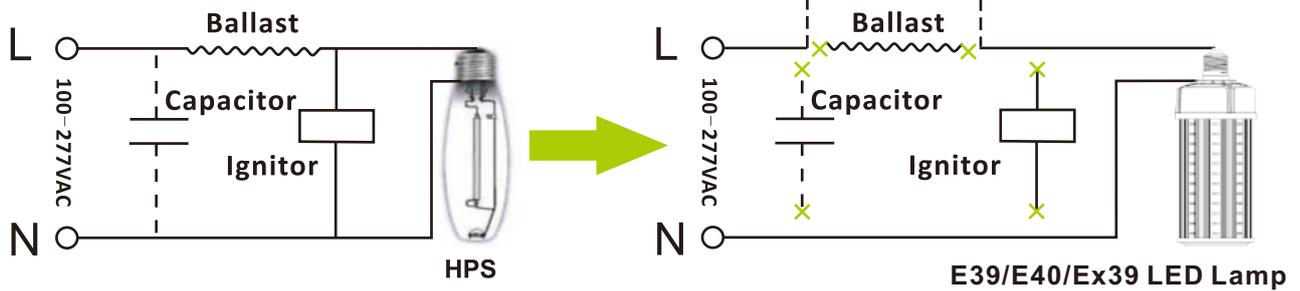
# INSTALLATION

Normally. The traditional lamp has the ballast or capacitor or ignitor, like HPS, MH.

## Replace E39/E40/Ex39 CFL



## Replace HPS/MH



1. Remove the Ballast, Capacitor, Ignitor
2. Only need to put the L (live wire), N (null line) connected to the external power supply

When LED Corn Light installed in enclosed fixture, please make sure fixture diameter enough big for heat dissipation.



# PACKING INFO



Items	Packaging	Carton Size(mm) (L*W*H)	N.W	G.W	Volume weight
20W~60W	12pcs/CTN	540*490*340mm	10.4kg	11.5kg	21.0kg
80W	12pcs/CTN	750*500*360mm	18.2kg	19.5kg	28.0kg
100W	12pcs/CTN	750*500*360mm	19.1kg	20.5kg	28.0kg
120W&150W	12pcs/CTN	750*500*360mm	21.5kg	22.9kg	28.0kg