



# Joytech Products Co., Ltd.

**JPWL - 80W12S - 800S2**

LED Corn light



General illumination  
Outdoor use in outdoor luminaires only (minimum Ip65)  
**Reduces lumen maintain flux and working life if used in sealed lamp fixtures. ①**

## Product features

- Unique structure design, removable power supply and light source (easier for power supply and light source replacement if needed).
- Aluminum fin-shape heat sink and active air exchanges cooling system in order to speed up heat dissipation.
- Lighting protection function: The power supply will shut down then turn off main power and stay 5 seconds. Then turn on power, the light will turn on.
- Temperature protection function: When temperature is over 95°C, the power supply will reduce output, when temperature cooling down to 50°C, the power supply will fully output.
- No UV and near-IR radiation in the light beam.
- The lamp has very low power consumption, low thermal dissipation, Popular, ballast free and easy installation.
- Not suitable for dimmer, electronic switches and remote control.
- Can easily fit and instead ordinary bulb lights.
- Mainly used in working places, supermarkets and public lighting.

## Applications

Factory



Office



Supermarket



## Technical data

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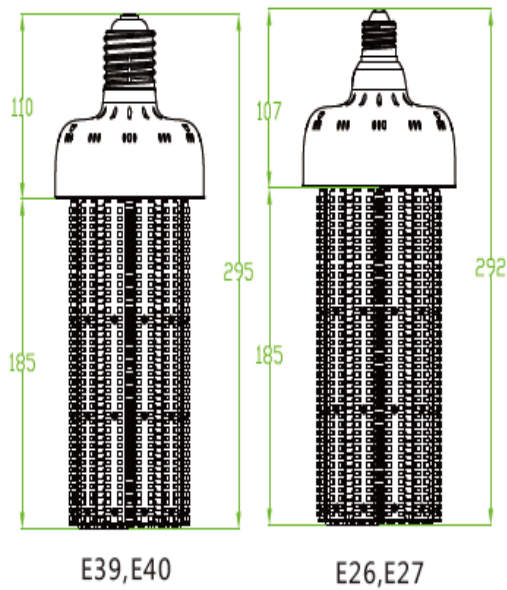
### Electrical data

Rated wattage	82-86 W
Input Voltage	100-277V AC (AC90-305V is available)
Operating frequency	50/60 Hz
Rated power factor	>0.9
Power Efficiency	>0.87
Humidity	<90%
Ambient temperature	-40~45°C
Base (standard designation)	E39/E40
Replacement conventional lamp power	160W CFL
Output short circuit protection	YES
Output over voltage protection	YES
Temperature protection (Half-power)	≥95°C
Power recovery temperature	≤50°C
Dimmable	NO

### Light technical data

Light source/count	630pcs. 2835 SMD LED
Luminous flux	7200 Lm
Color temperature	Warm White: 2500 - 3500K Natural White: 4000 - 5000K Cool White: 5500 - 6500K
Color rendering index Ra	Ra > 80
Star ting time	0 sec.
LED emitter life	50000 hrs.
Lifespan of LED lamp	35000 hrs.

## Dimension & Weight



E39,E40

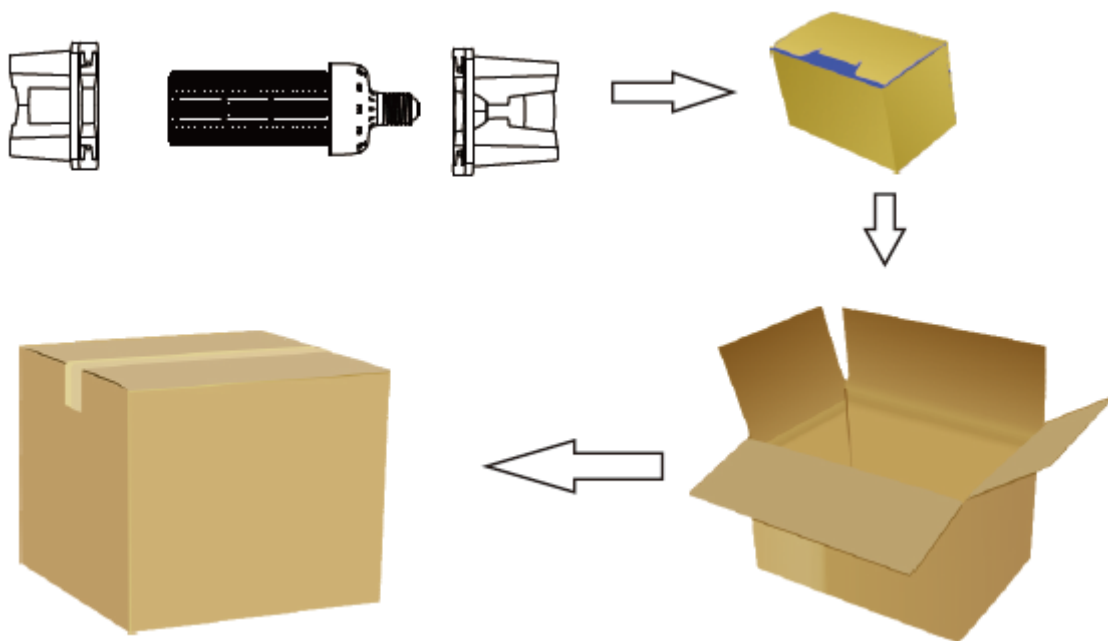
Overall length	295MM
Diameter	118MM
N.W	800g

E26,E27

Overall length	292MM
Diameter	118MM
N.W	780g

## Logistical Data

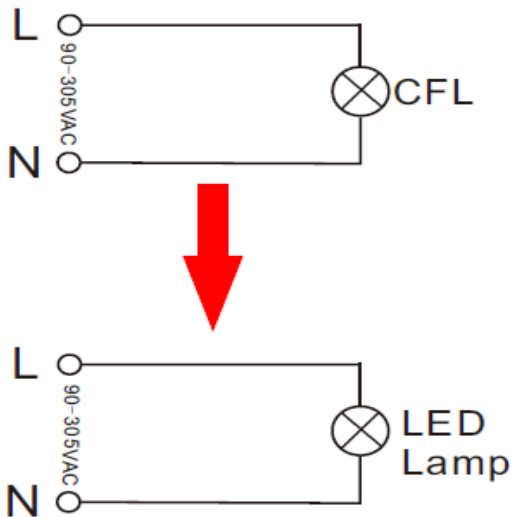
### Package



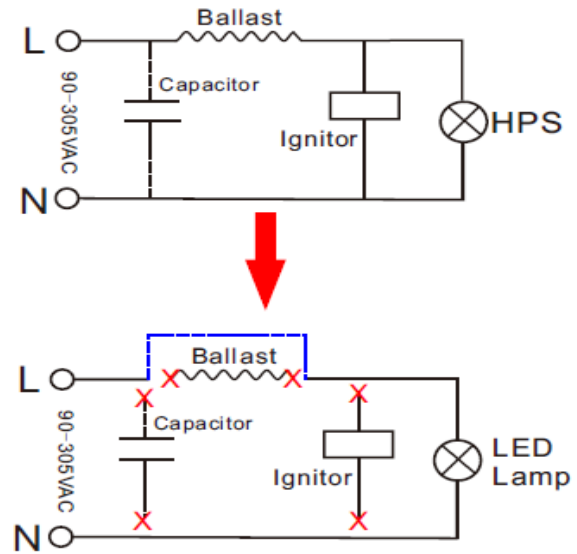
Packaging unit (Pieces/Unit)	Dimensions	Gross weight	Volume
Pearl cotton	34*15*15cm	920g	0.008m <sup>3</sup>
Shipping carton box	63*36*47cm	12.5Kg	0.11m <sup>3</sup>

## Installation

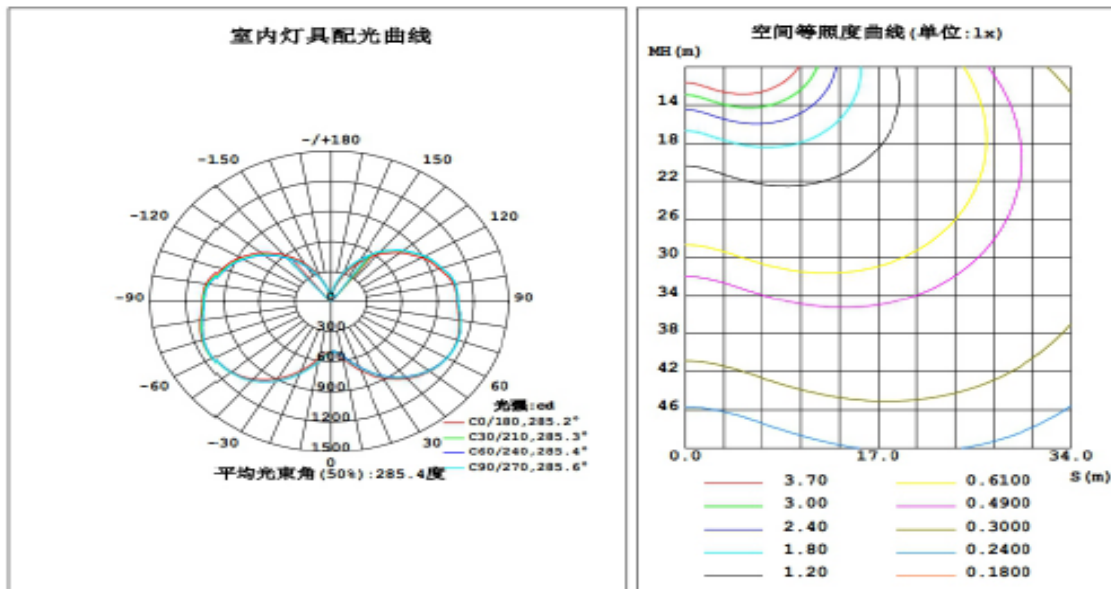
### Replace CFL



### Replace HPS



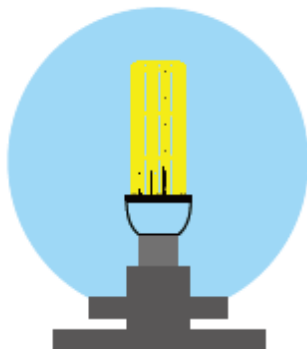
## Light Distribution Diagram



## Attention-1

When the products are used in the outdoor lighting, ensure the space is waterproof and well ventilated. Pay attention to the size of the confined space. Ensure the lamp has enough space for heat dissipation which ensures lumen maintenance and extends its working life.

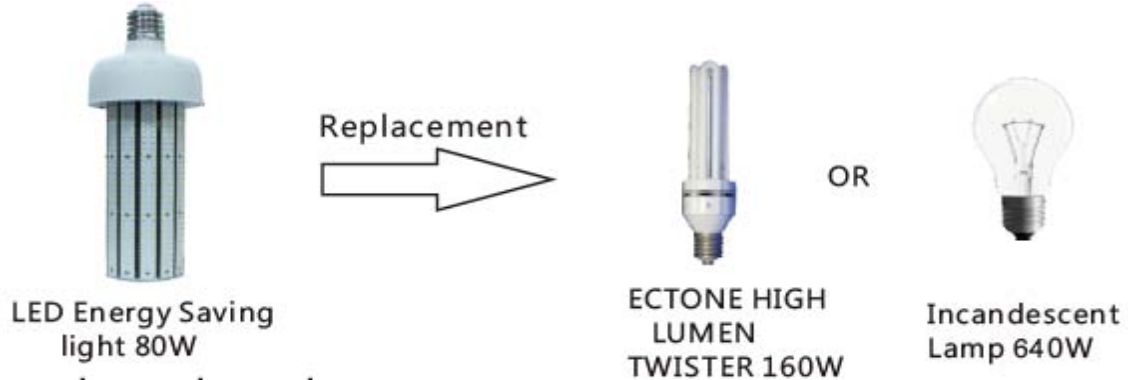
**As shown below for your reference**



When 80W warehouse light is used in confined space, the diameter must be more than 60cm.

## Attention-2

Key benefits of comparison	LED energy saving light 80W	Ectone high lumen twister 160W	Incandescent lamp 640W
Luminous Flux (Lm)	9600	8800	8950
Efficiency (Lm/W)	120	55	15
Better color appearance measured in color rendering index	80	80	98
Wide Color Availability in CCT (Kelvin)	2500-6500	2500-6500	2500
Star ting time, quick start (min)	0	3	0
The life of the lamp (Hrs)	35000	8000	5000



## Additional product data

All technical parameters apply to the entire lamp/Due to the complex production process for light-emitting diodes; the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value.

## Disclaimer

Subject changes without notice except errors and omission. Always make sure to use the most recent release.

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