

## Product datasheet

NSWL-100W12S-1040S2

LED Energy Saving 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

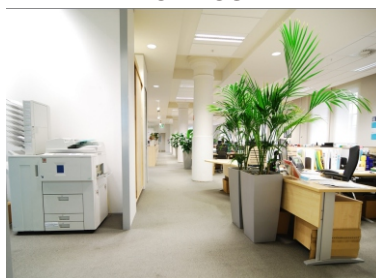
- Unique structure design , removable power supply and light source (easier for power supply and light source replacement if needed).
- Aluminum fin-shape heat sinking and active air exchanging cooling system in order to speed up heat dissipation.
- Function of protect from thunder damage:power supply will stop work When the function start,the power supply needs to be restarted to run.
- Temperature protection fuction:When the temperature reached 95°C start temperature protection function, power supply power to half power, when the temperature down to about 50°C power supply full power is restored.
- No UV and near-IR radiation in the light beam.
- Very low energy consumption,Lower thermal output.
- Popular, ballast free, easy installation.
- Not suitable for dimmers ,electronic switches and remote controls .
- Can be easily fitted instead of ordinary light bulbs.
- Mainly used in work places, supermarkets and public lighting.

### Applications

Factory



office



supermarket



## Product datasheet

### Technical data

#### Electrical data

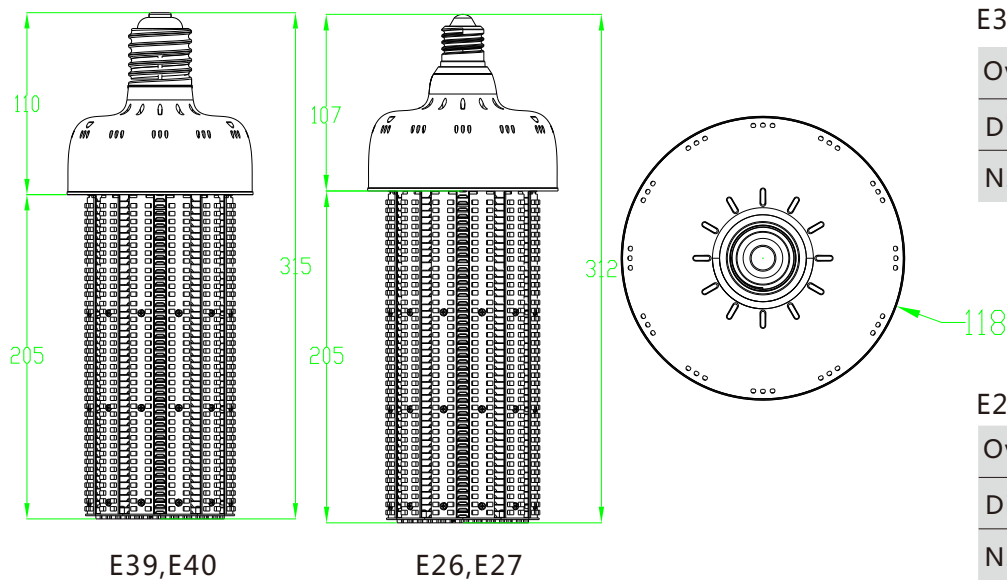
Rated wattage	108-114 W
Input Voltage	100-277V AC (AC90-305V is available)
Operating frequency	50/60 Hz
Rated power factor	>0.9
Power Efficiency	>0.87
Humidity	< 90%
Ambient temperature	-40~45°C
Base (standard designation)	E26/E27/E39/E40
Replacement conventional lamp power	200W CFL②
Output Short Circuit Protection	YES
Output Overvoltage protection	YES
Temperature protection(Half-power)	≥95°C
Power recovery temperature	≤50°C
Dimmable	NO

#### Light technical data

Light Source/Count	1040pcs 2835 SMD LED
Luminous flux	12129LM
Color temperature	Warm White: 2,500 ~ 3,500 K NaturalWhite: 4,000 ~ 5,000 K Cool White: 5,500 ~ 6,500K
Color rendering index Ra	Ra > 80
Starting time	0 S
LED Emitter Life	50000hrs
Lifepan of LED Lamp	35000hrs

## Product datasheet

### Dimensions & weight



E39,E40

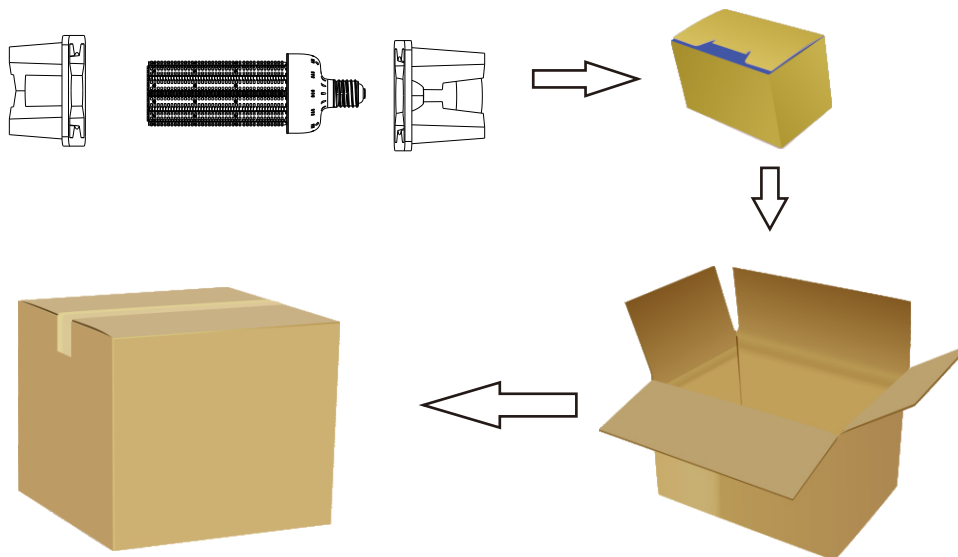
Overall length	315MM
Diameter	118MM
N.W	950g

E26,E27

Overall length	312MM
Diameter	118MM
N.W	930g

### Logistical Data

Package

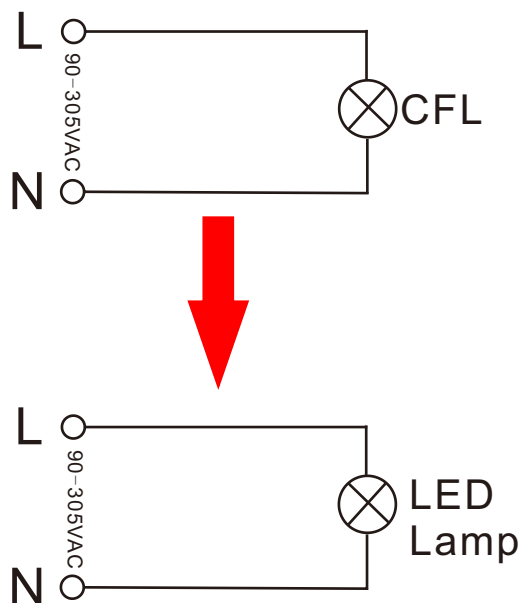


Packaging unit (Pieces/Unit)	Dimensions	Gross weight	Volume
pearl cotton 1	36*14.8*14.8cm	1.4Kg	0.008m <sup>3</sup>
Shipping carton box 12	63*38*47cm	17.2Kg	0.113m <sup>3</sup>

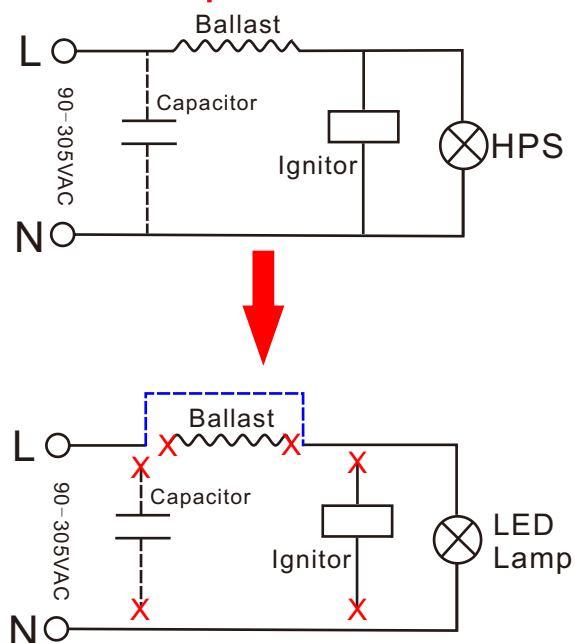
# Product datasheet

## Installation

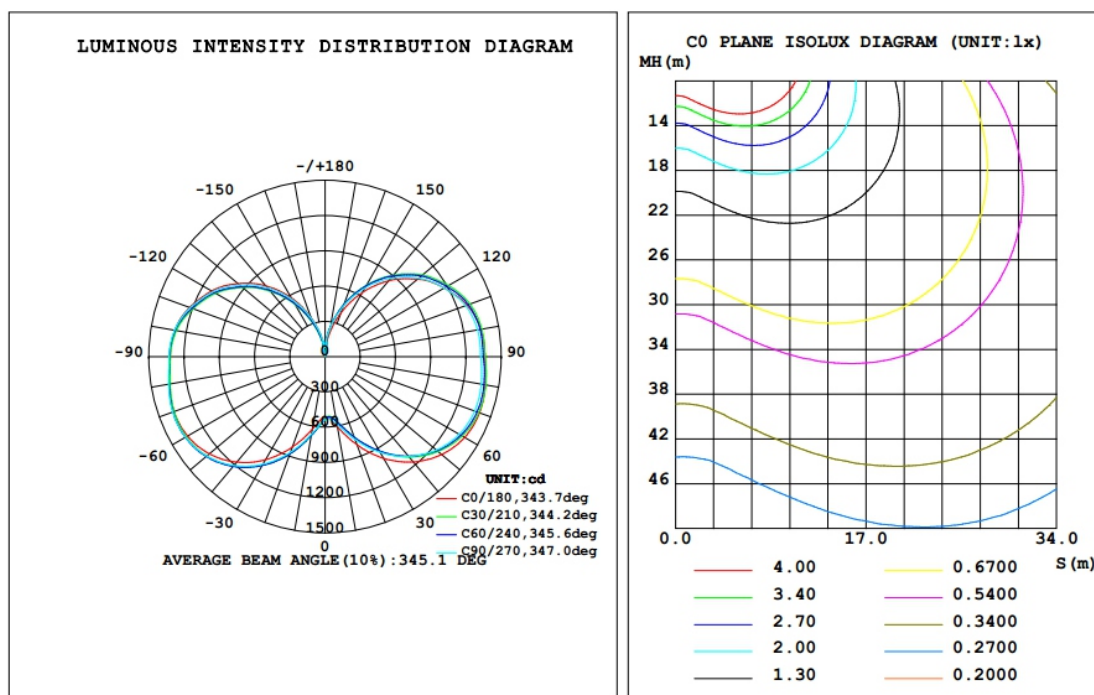
### Replace CFL



### Replace HPS



## Light Distribution diagram

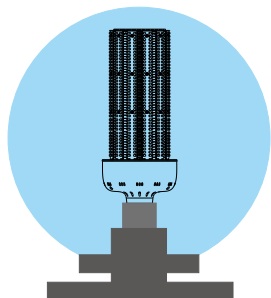


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### Attention ①

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 100W warehouse light is used in confined space, the diameter must be more than 80cm.

### Attention ②

Key Benifits of comparison	LED Energy Saving light 100W	ECTONE HIGH LUMEN TWISTER 200W	Incandescent Lamp 800W
Luminous Flux(Lm)	12129	11000	12000
Efficiency(Lm/W)	120	55	15
Better Color Appearance Measured in color Rendering index	82	80	98
Wide Color Availability In CCT(kelvin)	2500-6500	2500-6500	2500
Starting Time,Quick Start (min)	0	3	0
The life of the lamp(H)	35000	8000	5000



LED Energy Saving light 100W



ECTONE HIGH LUMEN TWISTER 200W

OR



Incandescent Lamp 800W

### 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 to change without notice. Errors and omission excepted. Always make sure to use the most recent release.