

NS-ACL100W-02C

LED Energy Saving light



General illumination

Outdoor use in outdoor luminaires only (minimum Ip65)

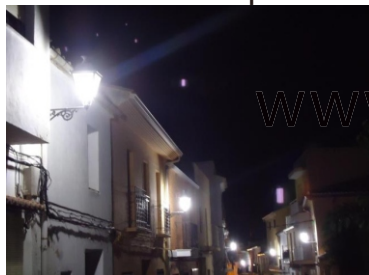
Reduces lumen maintain flux and working life if used in sealed lamp fixtures. ①

Product features

- 360 - degree lighting angle, natural ventilation and heat dissipation
No fan design.
- Adopt the folding process of high heat conductivity and light stamping aluminum material to increase the heat dissipation area and accelerate the heat dissipation.
- Green products are light and convenient without ultraviolet and infrared radiation.
- Not suitable for dimmers ,electronic switches and remote controls .
- Dust and fire-proof, IP64.
- Widely replace HID/HPS/MH/CFL.
- Indoor and outdoor illumination: used to Garden lights, underground parking, supermarkets, hang a wall lamp, lamp warehouse, Office lighting, etc

Applications

Wall Lamp



warehouse



supermarkets





Technical data

Electrical data

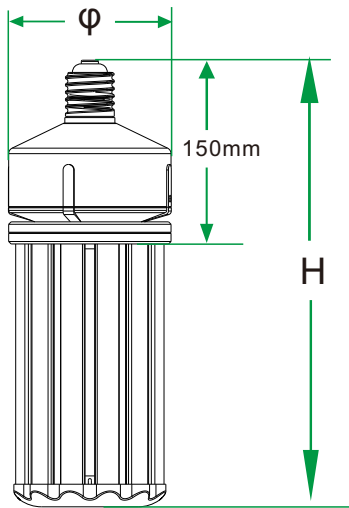
Rated wattage	100-105 W
Input Voltage	100-277VAC
Operating frequency	50/60 Hz
Rated power factor λ	>0.90
Power Efficiency	>0.87
Humidity	< 90%
Ambient temperature	-40~45°C
Base (standard designation)	E39/E40
Replacement conventional lamp power	HPS/HID/MH/CFL Lamp 300W
Dimmable	NO

Light technical data

Light Source/Count	728pcs 2835 0.2W LED
Luminous flux	12500±200Lm
Color temperature	Warm White: 3000 ~3,500 K NaturalWhite: 4,000 ~5,000 K CoolWhite:5,500 ~6,500K
Color rendering index Ra	Ra >80
Starting time	0 S
LED Emitter Life	50000hrs
Lifepan of LED Lamp	35000hrs



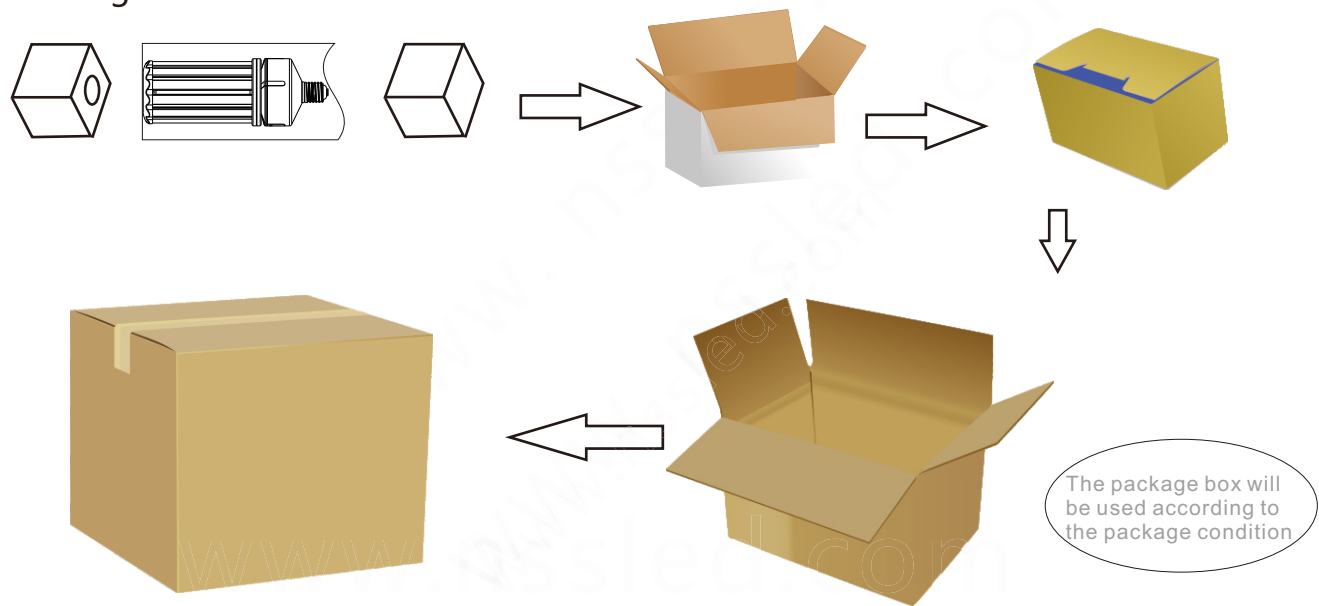
Dimensions & weight



Base	E39/E40
Overall length	325mm
Diameter	133mm
N. W	1000g

Logistical Data

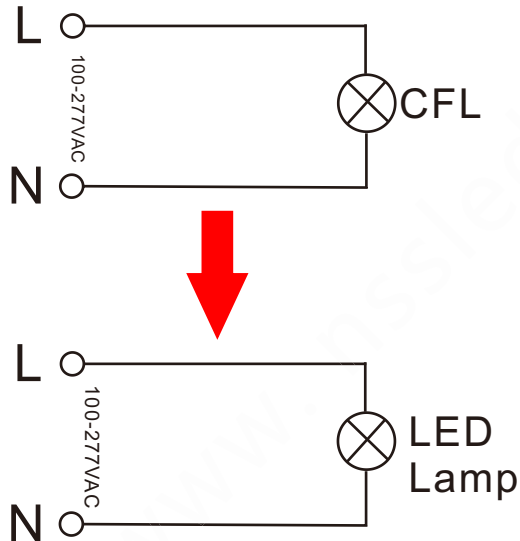
Package



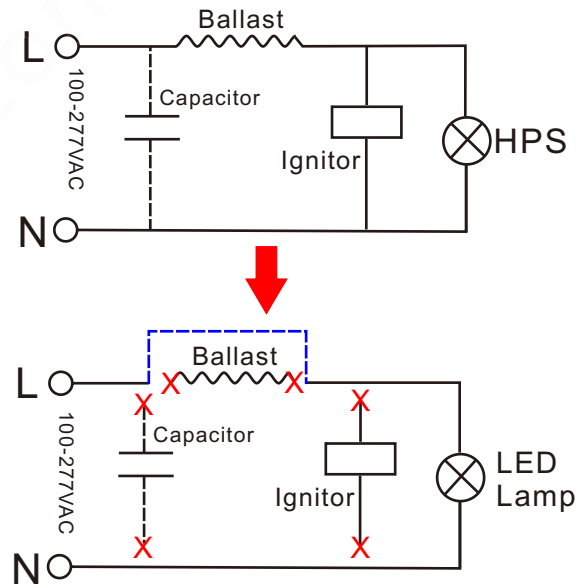
Packaging unit (Pieces/Unit)	Dimensions	Gross weight	Volume
Small box 1	35.5*17*17.5cm	1.3Kg	0.01m ³
Outer Carton 9	52.5*37*54cm	13Kg	0.1m ³

Installation

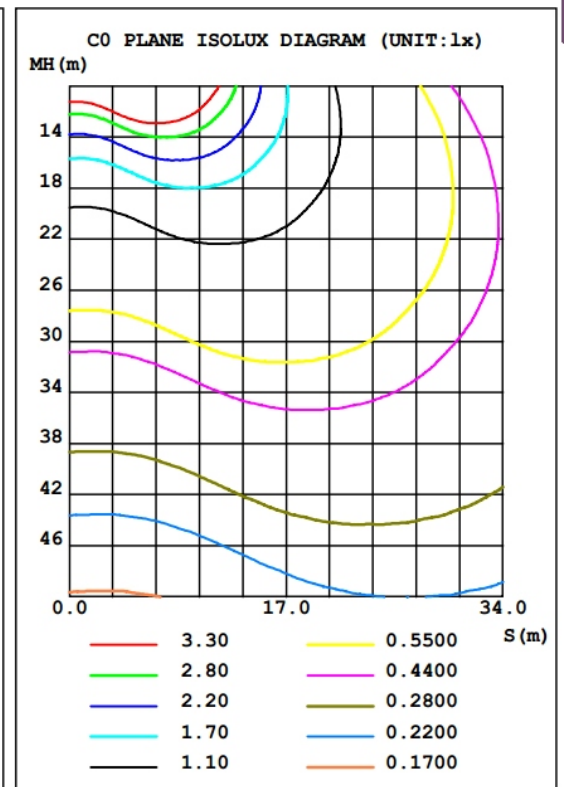
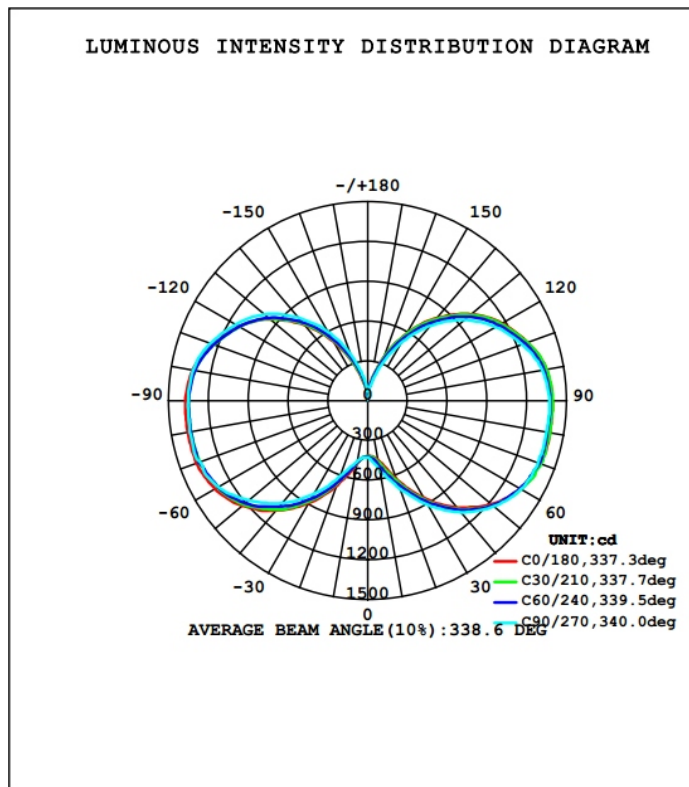
Replace CFL



Replace HPS/HID/MH



Light Distribution diagram

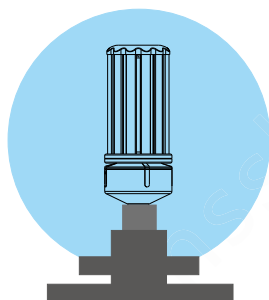


Product datasheet

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	HPS/HID/MH/CFL Lamp 300W
Luminous Flux (Lm)	12500	12000
Efficiency (Lm/W)	125	40
Better Color Appearance Measured in color Rendering index	80	98
Wide Color Availability In CCT (kelvin)	2500-6500	2500
Starting Time, Quick Start (min)	0	0
The life of the lamp (H)	35000	5000



LED Energy Saving
light 100W

Replacement



HPS/HID/MH/CFL
Lamp 300W

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.