NS-GLA50W-01C-D

LED Garden light

cULus LISTED · DLC QPL LISTED · CE · RoHS

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

Features

■ Specially designed for indoor and outdoor lighting.This lamp could
replace the traditional lamp directly. suitable for different traditional light
fixture with easy installation.

■ Die-cast aluminum for heat dissipation, no fan design,
Natural ventilation cooling system to accelerate heat dissipation

■ High-luming LED 2835SMD, lamp light efficiency up to 140-150lm /W,
Long life.

■ Electric energy into light energy utilization rate of more
than 80%, than traditional tube light save electricity above 70%;.

■ Wide voltage input design, No RF interference,No IR/UV radiation,
No mercury pollution.

■ Widely replace the CFL/MH/HID/HPS. Applied to theCanopy Lighting,
Garden Lighting,Road Lighting etc.

Applications

Garden Lighting   Road Lighting
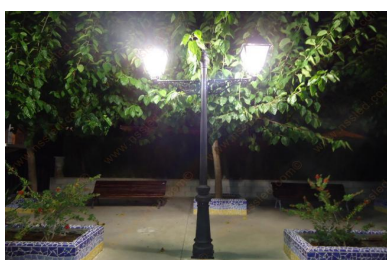
Technical data

Electrical data

Rated wattage	50-54W
Input Voltage	100-277V AC
Operating frequency	50/60 Hz
Rated power factory	>0.90
Power Efficiency	>0.87
Humidity	< 90%
Ambient temperature	-40~45℃
Base (standard designation)	E26/E27/E39/E40
Replacement conventional lamp power	180W HID
Dimmable	NO

Light technical data

Light Source/Count	234pcs 2835 0.5WSMD
Luminous flux	7250 Lm±10%
Color temperature	WarmWhite: 3000~3,500K NaturalWhite: 4,000~5,000K 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
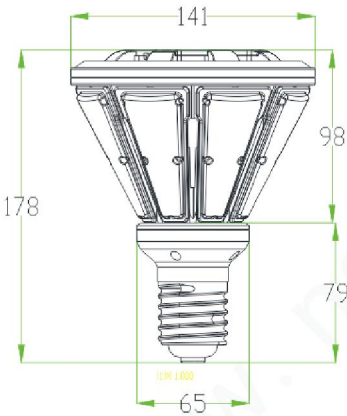
Base	E26/E27	E39/E40
Overall length	166m	178mm
Diameter	141mm	
N. W	780g	800g

Logistical Data

Package

The package box will be used according to the package condition
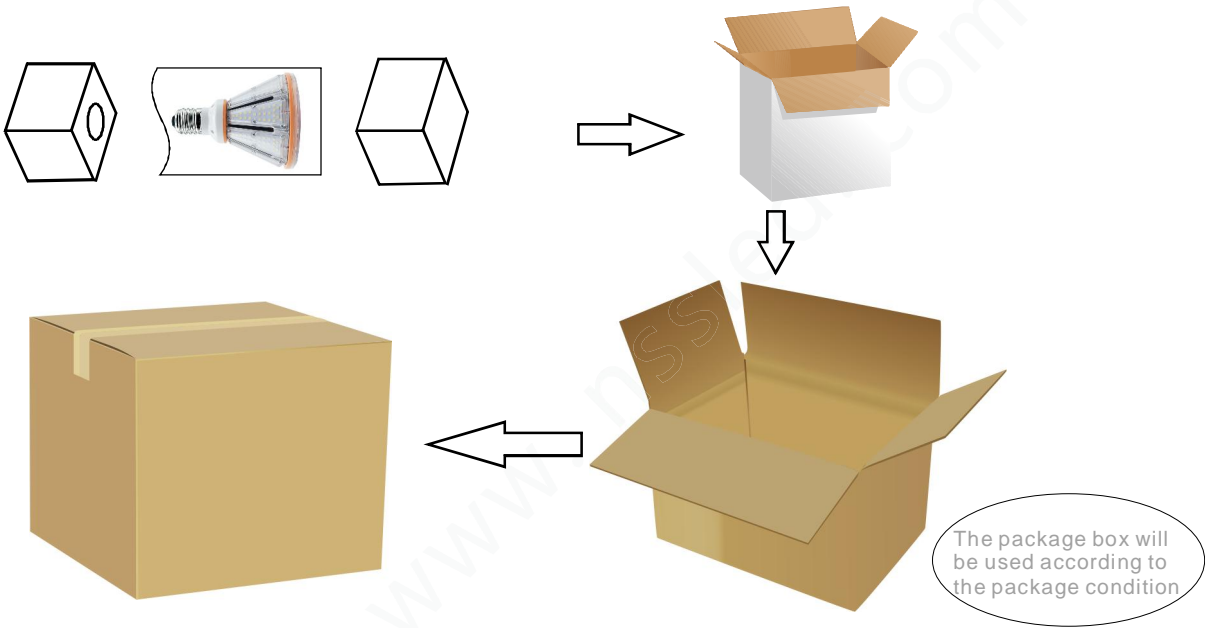
Packaging unit (Pieces/Unit)	Dimensions	Gross weight	Volume
Small box 1	17*17*22cm	0.9Kg	0.006m^3
Outer Carton 18	52.5*52.5*47cm	18Kg	0.13m^3

Product datasheet

Installation

Replace CFL

L ○ 100-277VAC ⊗ CFL
N ○

L ○ 100-277VAC ⊗ LED Lamp
N ○

Replace HPS

L ○ 100-277VAC Ballast
Capacitor   Ignitor   ⊗ HPS
N ○

L ○ 100-277VAC Ballast
Capacitor   Ignitor   ⊗ LED Lamp
N ○
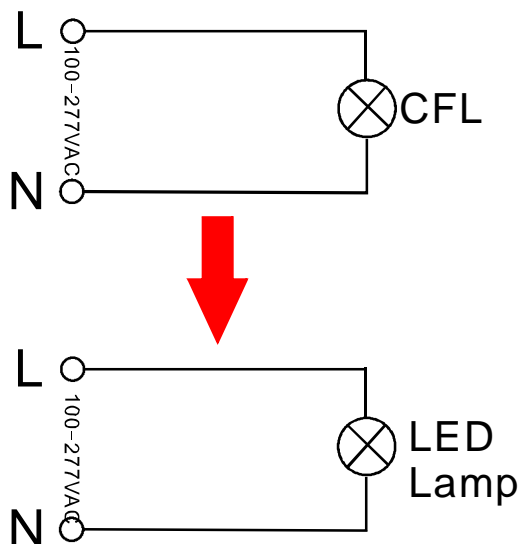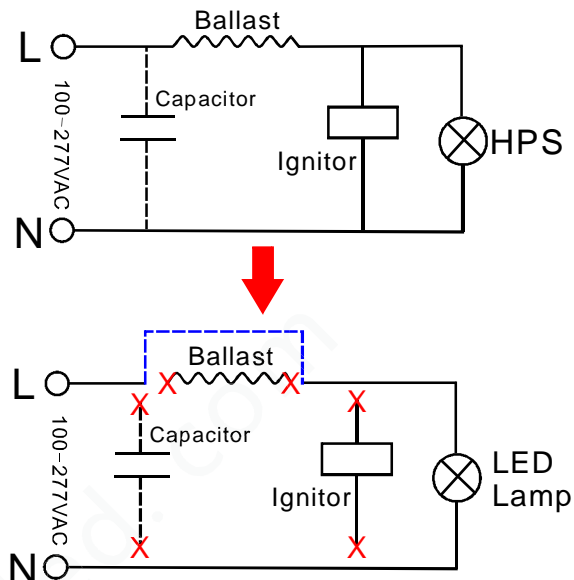
Light Distribution diagram

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

-/+180
-150   150
-120   120
-90   90
-60   60
-30   30
0
180
360
540
720
900

UNIT: cd
C0/180, 345.9deg
C30/210, 346.1deg
C60/240, 345.2deg
C90/270, 343.7deg

AVERAGE BEAM ANGLE(50%): 345.2 DEG
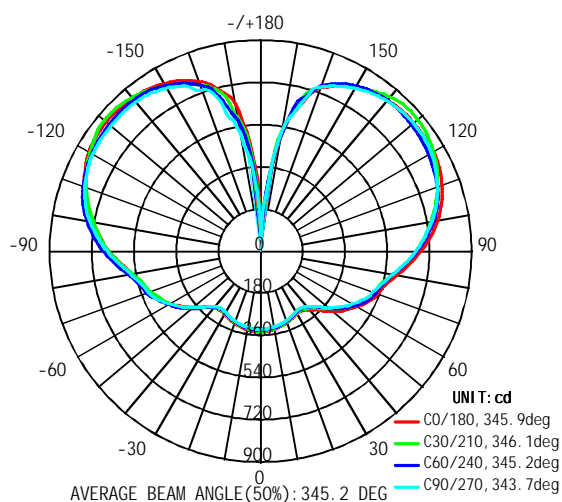
CO PLANE ISOLUX DIAGRAM (UNIT:lx)

MH(m)
14
18
22
26
30
34
38
42
46

0.0   17.0   34.0
S(m)

|		
2.10		0.3400
1.70		0.2700
1.40		0.1700
1.00		0.1400
0.6900		0.1000
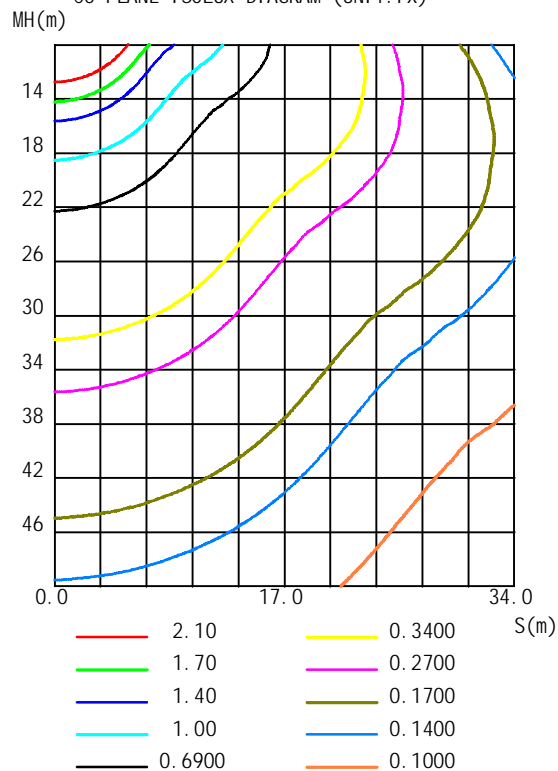
Product datasheet

Attention①

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
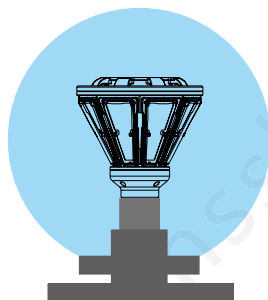
When 50W Garden light is used in confined space, the diameter must be more than 50cm.

Attention②

Key Benifits of comparison	LED Garden light 50W	HPS/HID/MH/CFL Lamp 180W
Luminous Flux(Lm)	7250	7200
Efficiency(Lm/W)	145	40
Better Color Appearance Measured in color Rendering index	83	98
Wide Color Availability In CCT(kelvin)	3000-6500	2500
Starting Time, Quick Start (min)	0	0
The life of the lamp(H)	35000	5000

Replacement

LED Garden light 50W

HPS/HID/MH/CFL Lamp 180W

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.