NEWSUNSHINE

Product datasheet

NS-TWL100W-01-T

LED Temporary work Light

Features

- 360-degree luminescence, no fan design, adopt efficient ADC12 die-cast aluminum plus surface treatment to accelerate heat dissipation.

- Wide pressure isolating constant current power supply, anti-surge protection of 6000V. The lamp can withstand sudden high voltage.

- Provide socket connector, which can connect 8-10 lamps in series at the same time.

- It can be used as HIGH BAY with spotlights and stainless steel protective cover.

- Use waterproof gasket between lamp cup PC cover, power supply and lamp body connection, which can effectively waterproof, dustproof and anti-mosquito.

- Suitable for outdoor wet or wet places. IP65 waterproof rating.

- Stainless steel hooks are more convenient to use.

Applications

Technical data

Electrical data

Rated wattage	100-108w
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℃
Replacement conventional lamp power	300W HID
Dimmable	NO

Light technical data

Light Source/Count	351pcs 2835 0.5WSMD
Luminous flux	12500 Lm±10%
Color temperature	WarmWhite: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
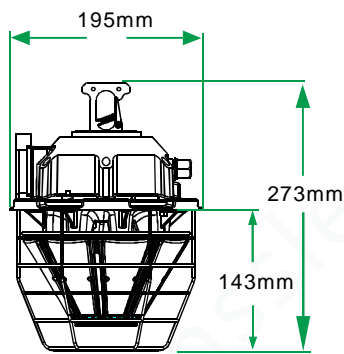
195mm
273mm
143mm

Overall length	273mm
Diameter	195mm
N. W	2.4kg

Logistical Data

Package

The package box will be used according to the package condition
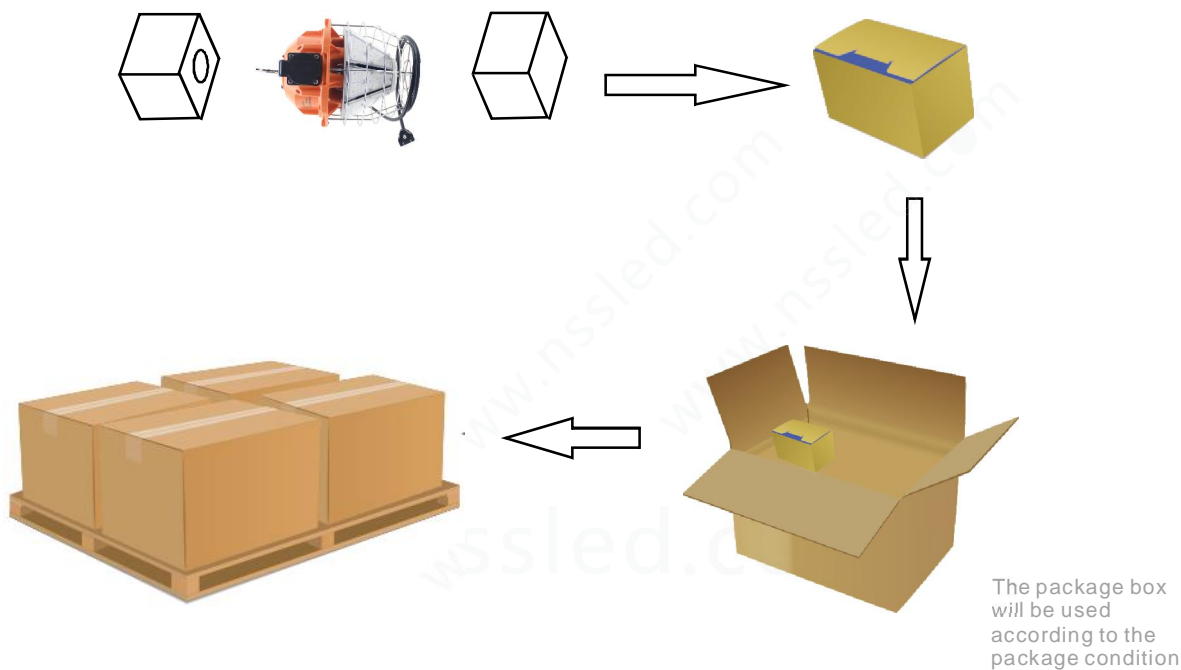
Packaging unit (Pieces/Unit)	Dimensions	Gross weight	Volume
Small box 1	31*24*24.5cm	2.6Kg	0.018m³
Outer Carton 4	32.5*49.5*51cm	12.5Kg	0.082m³

Installation

Replace CFL

L ○ ⊗ CFL
100-277VAC
N ○

↓

L ○ ⊗ LED Lamp
100-277VAC
N ○

Replace HPS/HID/MH

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

↓

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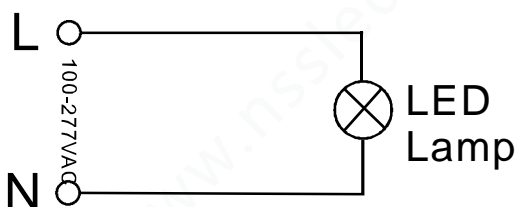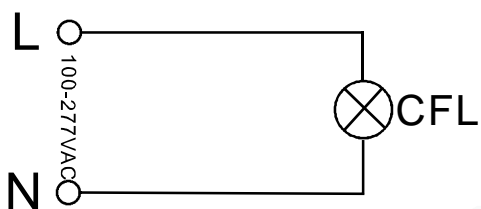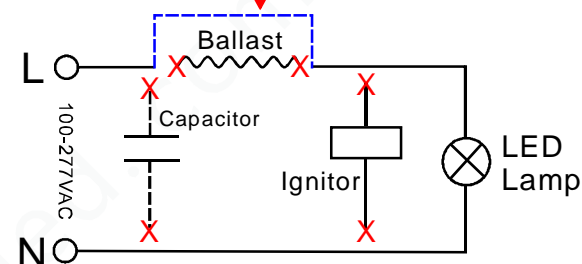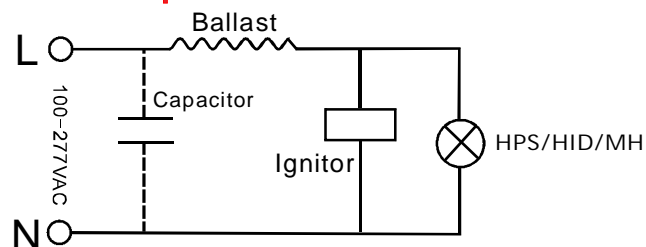
Light Distribution diagram

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

UNIT: cd

AVERAGE BEAM ANGLE(10%): 360.0 DEG

— C0/180, 360.0deg
— C30/210, 360.0deg
— C60/240, 360.0deg
— C90/270, 360.0deg
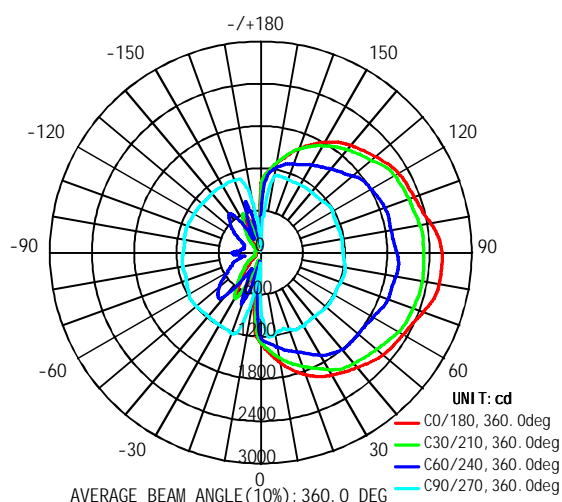
CO PLANE ISOLUX DIAGRAM (UNIT:Ix)
MH(m)

S(m)

| — 9.30 | — 1.60 |
— 7.80	— 1.20
— 6.20	— 0.7800
— 4.70	— 0.6200
— 3.10	— 0.4700
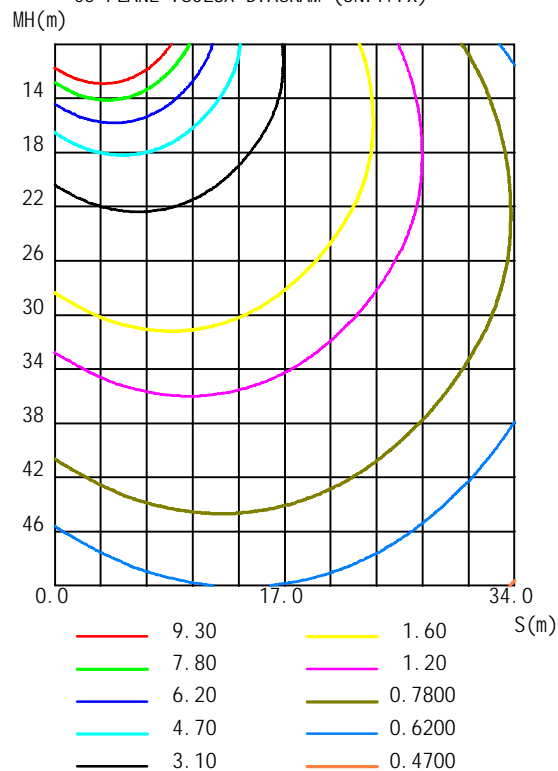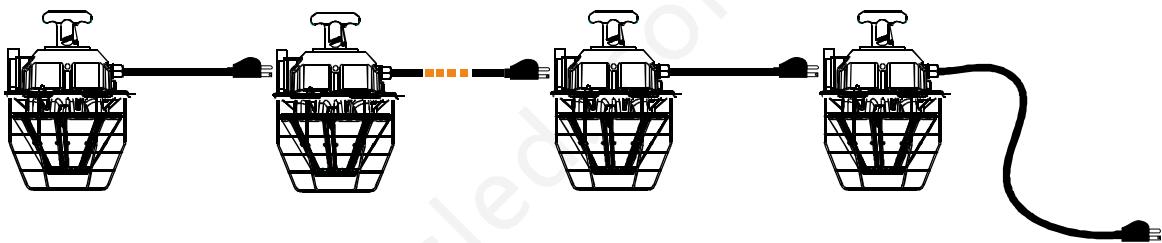
Attention①

✱ which can connect 8 lamps in series at the same time.

✱ The standard length of 100W input plug wire is 3 meters

Attention②

Key Benifits of comparison	LED Temporary work light 100W	HPS/HID/MH Lamp 300W
Luminous Flux(Lm)	12500	12000
Efficiency(Lm/W)	125	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

LED Temporary work
light 100W

Replacement
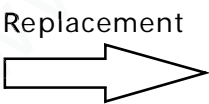
HPS/HID/MH
Lamp 300W

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.