



SHENZHEN NOBLE OPTO. CO.,LTD

www.nobleled.com jenny@nobleled.com

green light, green life

MD: 86-135 1014 8875 Tel:+86-755-2765 1481/4119 Fax:+86-755-2765 1483

Address: Building C3, MingJinHai Industrial Park, SanJiaoTang, ShiYan Town, BaoAn District, Shenzhen, China 518108

### 1. Basic Information

## 100mm LED Traffic Light

NBJD113F-L-45



### 4' Vehicle traffic light

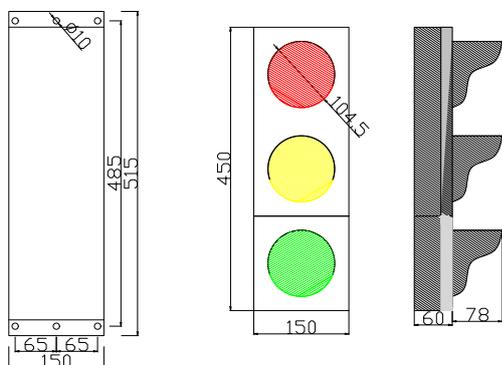
### Specifications



- Shape: 100mm (4") cobweb cover
- High brightness LEDs with integrated optics
- Moisture and dust tight seal
- Total Harmonic Distortion < 20%
- Operating temperature: -20°C to 60°C
- Angle: Avg. ≥ 30° Down ≥ 30°
- Operating voltage Range: 10V-30VDC 100-277VAC
- Insulation Resistance: ≥ 2M
- Life: 100,000H
- Housing material: PC

### Size (Unit: inch (mm))

### Features/Benefits



- Energy saving
- Easy installation
- Low power consumption
- Long life time 100,000hours
- Wide working voltage
- Waterproof IP 65
- CE&RoHS

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LED Traffic Light Series



Accessories:

Sun visor & Bracket

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Characteristics								
Color	Size	Model Number	Profile	Voltage VDC	LEDs	Typical Wattage at 25°C	Luminance (cd/m <sup>2</sup> )	Typical Dominant Wavelength (nm)
	(mm)							
Red	100	NBJD100G	Round	12-24VDC 85-265VAC	45s	<4.5	>1000	625±5
Yellow	100	NBJD100Y	Round	12-24VDC 85-265VAC	45s	<4.5	>1000	590±5
Green	100	NBJD100G	Round	12-24VDC 85-265VAC	45s	<4.5	>1000	505±2

Gather to pack:						
Model	Housing material	Dim.of Outer Carton	Quantity/CTN	G.W/CTN	N.W/CTN	Packing
NBJD113F-L-45	PC	510*190*140mm	1PCS	2.5	2.2	Carton

Different view



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Product Details



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## 2. Installation

### 1. Installation diagram of traffic signal light for outdoor usage:

- 1) Install mounting brackets to vertical support pole or wall using 5/16 in (8mm) hardware including appropriate screw anchors.
- 2) Mounting brackets may be turned inward or outward as shown:

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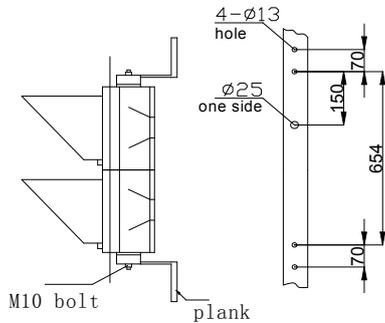
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## 2. Installing the sun visors on JD200 traffic signal lights :



- 1) Every light section is equipped with a sun visor (As illustrated left), and there are four slotted holes in it.
- 2) When installing the flap panel, first bend it into a cylinder.
- 3) Then slip into the front panel slot and align the hole on the front cover along the straight edge to the small holes on the cover and fix them with M4\*8 sheet metal screws.
- 4) The signal can be installed vertical or horizontal.

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### 3、 Instruction of adjusting installation angle :

- 1) After the light is initially installed, loosen the M10 nut on both sides of the light.
- 2) Then rotate the light to the left or right to your ideal angle and then tighten the nut again. (Note: Do not overtighten it.)

### 4、 Notes:

- ① The installation support bracket is made of 5mm cold-rolled steel plate, for strength and durability.
- ② Use an appropriate weather-tight, cable gland /entrance fitting to match power cable used.
- ③ The cable outgoing direction on the outlet cover should always face down so as to avoid rain entering the signal body.
- ④ During the installation, make sure that light lens surface remains vertical.

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