

Specification



SN-M301

Light box-LED Module

12V DC	IP65 IP	3030 LED	3years QA
10X60° View angle	CE compliant	RoHS compliant	FC compliant

Best use: widely used in 6-15cm thick advertising lighting box.

Model	Voltage	LED	Power	Size	View angle	Color
SN-M301-W	DC12V	SMD3030	4.5W	125*23mm	10X60°	7000-8000K
SN-M301-C	DC12V	SMD3030	4.5W	125*23mm	10X60°	9000-12000K

IP	Module Spacing	Working Temperature	CRI	Link
IP65	200mm	-40-+60℃	≥70	10PCS

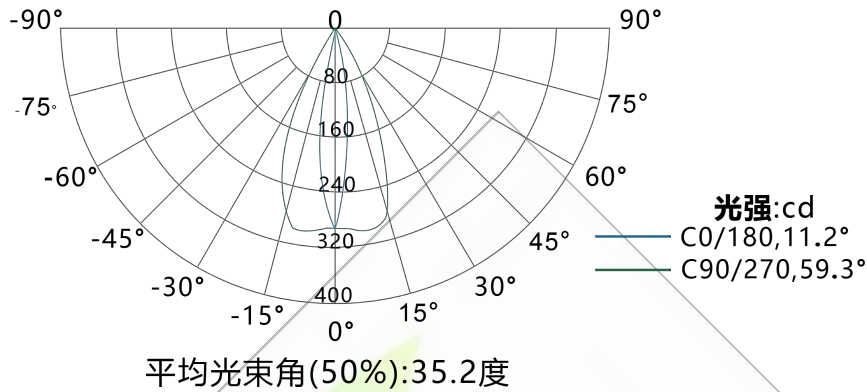
▼ Features

1	DC12V low voltage input, safe and reliable, wide range of application.
2	Constant current drive, ensure LED brightness consistency and uniformity of the light box.
3	The light source adopts SMD3030, encapsulates SANAN 10*30 luminous chip three, high brightness, low light decay, good color, long life.
4	Using 10X60° optical lens, the light is scattered from two directions to ensure the uniformity of the light source, no macular spot, and the irradiation distance is up to 1.5m.
5	Adopt 1.6mm thick and high heat conduction aluminum substrate for heat dissipation to improve the service life of the product.

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ABS engineering plastic injection, improve product impact resistance, wear resistance, water resistance.

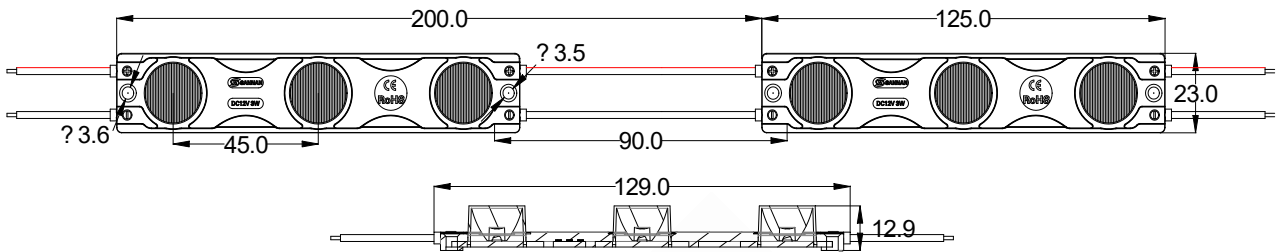
▼ Light Distribution



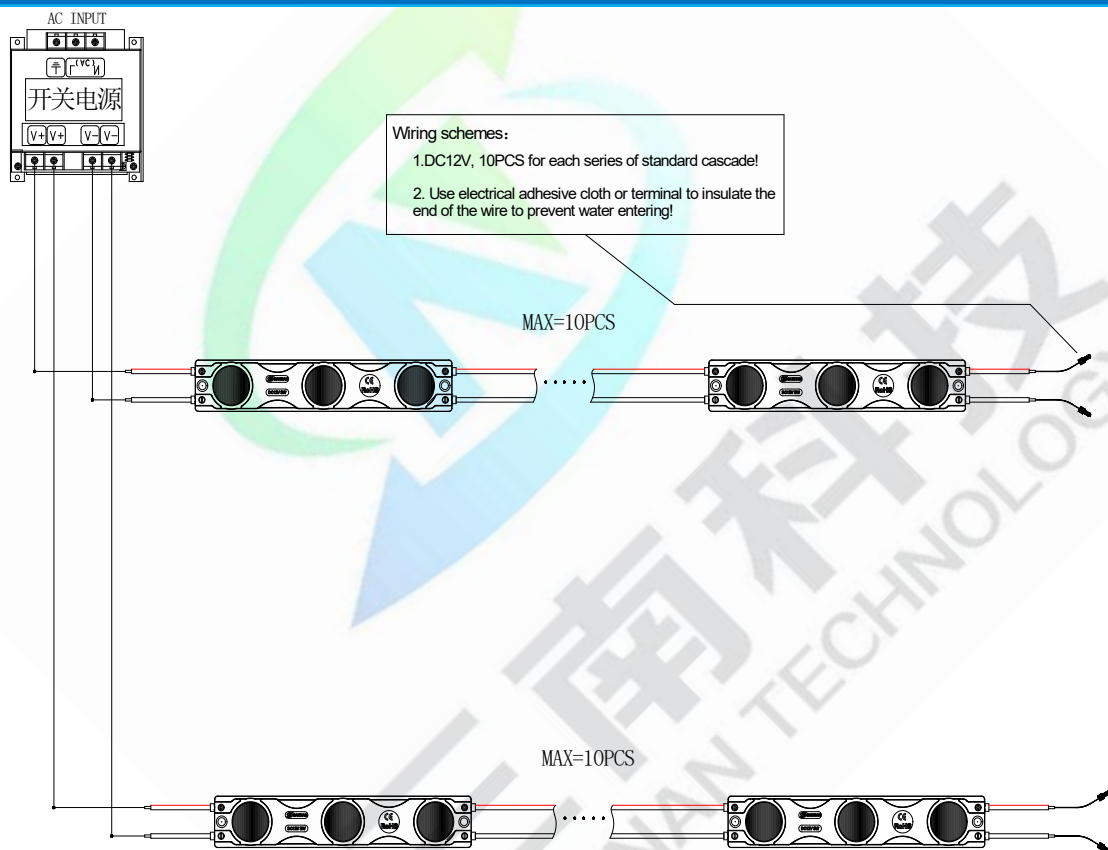
▼ Using parameter

Link	10PCS
Color	white
Voltage	DC12V
Weight	62g/PCS
Life Span	5years/21900H
Working Temperature	-25-60℃
Storage Temperature	-25-60℃
IP Rank	IP65
Plastic	ABS
Longest play distance	200mm
Installation Way	ST2.9 screw

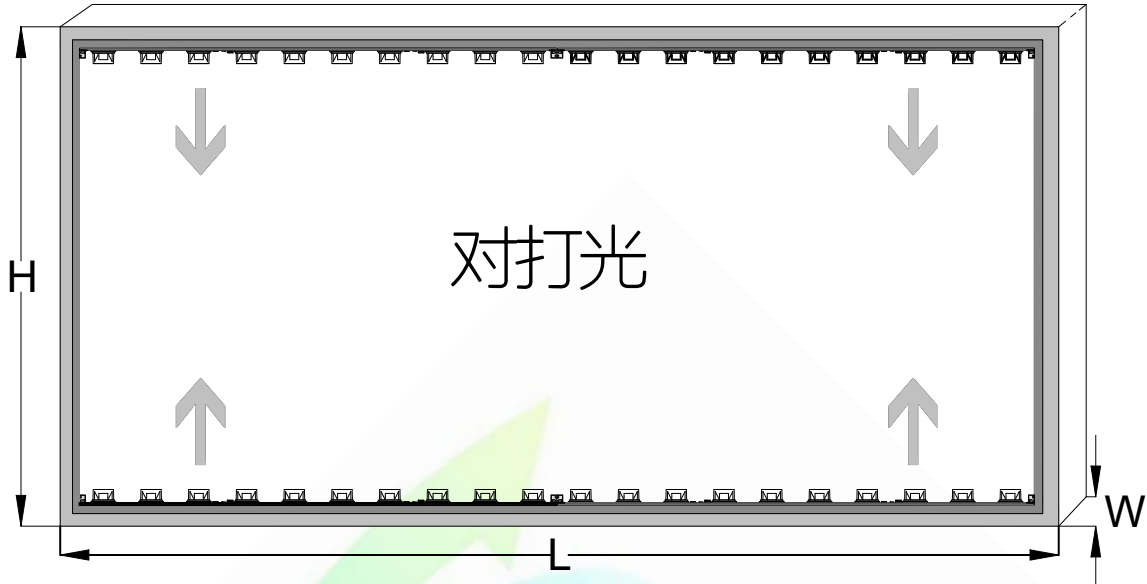
▼ Dimension(mm)



▼ Installation electrical diagram



▼ Layout diagram



Installation schematic description: the test panel is 3mm thick acrylic white board, and the light transmittance is about 54.4%. Aluminum alloy is selected as the light box model, which is evenly arranged according to the photoelectric performance parameters of the product

▼ LED light efficiency data

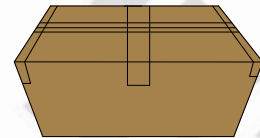
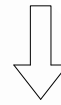
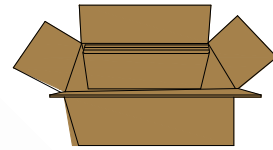
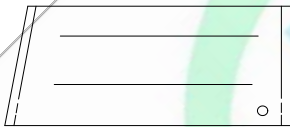
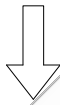
Depth W (mm)	Distance H (mm)	number L (PCS)	Illumination (Lux)
Dz=60	1000	2	3200
Dz=80	1200	2	2800
Dz=100	1500	2	2600
Dz=120	1500	2	2200
Dz=150	1500	2	2000

▼ Installation instructions

- ※ the mainline of the power supply shall use a cable above 2x1.5mm squared. If the power cord of the module lamp needs to be extended, it shall choose a wire of the specification above 1.5mm squared /16# to avoid excessive heating of the power cord caused by overload and adverse consequences. The length of the power cord between the switching power supply and the straight lamp shall not exceed 3 meters, otherwise the line loss will increase and the total power will increase.
- ※ please use the wiring scheme in the connection diagram. There are several ways to output the power to the light bar, so as to prevent overload of single power output and damage the power;
- ※ when the module is installed, screw into the hole of the fixer, lock it tightly, light it for a long time, and do not suspend the installation;

- ※ when there is bare conductor at the end of the module, firstly peel the wire about 10mm with diagonal pliers and screw it into the connection head for insulation protection.
- ※ to ensure waterproof and anticorrosive, after the power cord is screwed into the terminal head, it is recommended to inject the terminal head with single-component silica gel (or neutral glass glue or waterproof grease) to protect the exposed copper wire covering the power cord;
- ※ do not live touch or live operation of this product;
- ※ it is recommended to use the switch power (with short-circuit protection, overvoltage protection and overcurrent protection) with 80% power.

▼Packaging



▼Packing instruction

- ※The packing size of electrostatic bag is adopted: 300*250*0.2mm
- ※Carton size: 530*280*320mm
- ※20PCS/ bag, 480PCS in 4 layers per box
- ※NW:13.3(1±10%)kg
- ※GW:15.1(1±10%)kg

Note: the above package quantity and weight only refer to the package as shown in the figure. When other packages are used, the package quantity and weight will be different. The actual package shall prevail.