

Features

High light efficacy, up to 140lm/w;
Adopt special secondary light distribution lens, even illumination;
Aluminum PCB board is adopted for direct heat dissipation;
Multiple specifications available, support customization;

Application

Suitable for lightbox with a depth of more than 6cm, signage lighting, etc.

Installation

Fixed by screw or adhesive tape

Specification

Model No.	Light Color	Color Temperature(K)	Beam Angle	Luminous Flux (lm/pcs)	Ra	Efficacy (lm/W)	Voltage (V DC)	Power (W/pcs)
YD8-J-4808	W	2200-6500	180°	330	80+	140	24	2.4
YD8-J-9616				670				4.8

Other Parameters

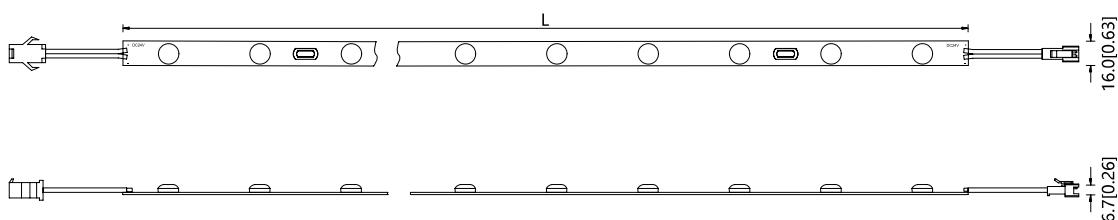
Model No.	LED Quantity/pc	Standard Run(pcs)	Max Run (pcs)	Working Temperature	Storage Temperature
YD8-J-4808	8	6	6	-20~+60°C	-20~+70°C
YD8-J-9616	16	3	3		

NOTE:

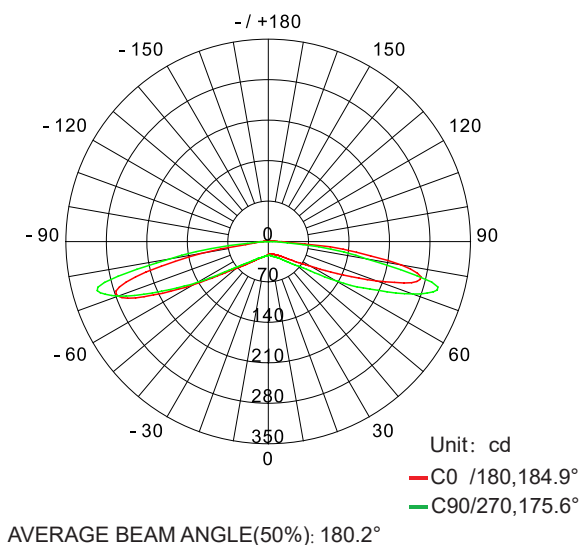
1. Testing temperature: 25±2°C
2. The above data are typical values. The actual data of each single product may differ from the typical values. The data is subject to change without notice.
3. Luminous flux is tested when lighting on single color.
4. Different color temperature will make luminous flux different
5. Luminous flux & power tolerance within ±10%
6. Max run is in double feed.

Profile Drawings

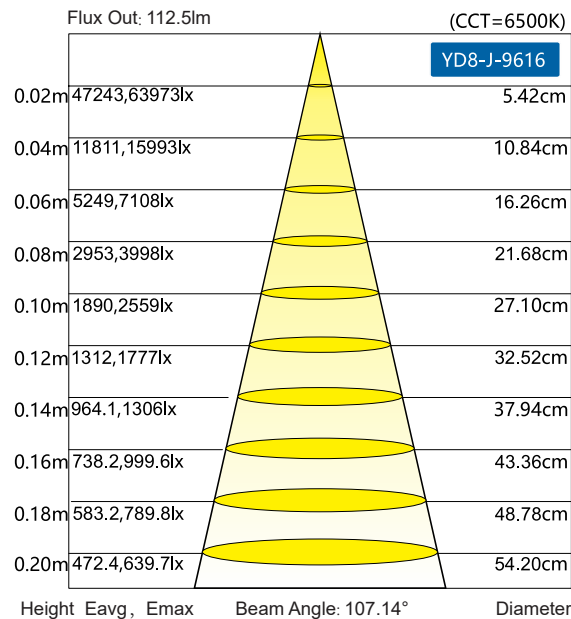
Unit:mm[inch]



Luminous Intensity Distribution Diagram

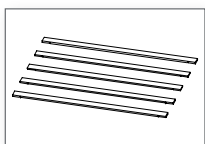


Average Illumination

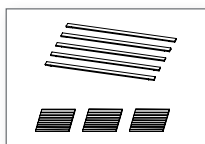


Note: The above data is tested with a sample of YD8-J-9616 at 6500K. For other data, please consult your sales rep

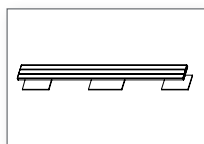
packing



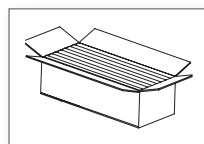
Put the product on the table.



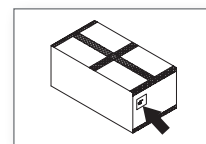
Below 1m use 2 blister trays; above 1m need to use 3 blister trays;



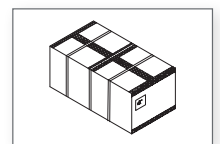
Put the product into blister trays.



Put the products and accessories into carton box.



Seal and label the box.



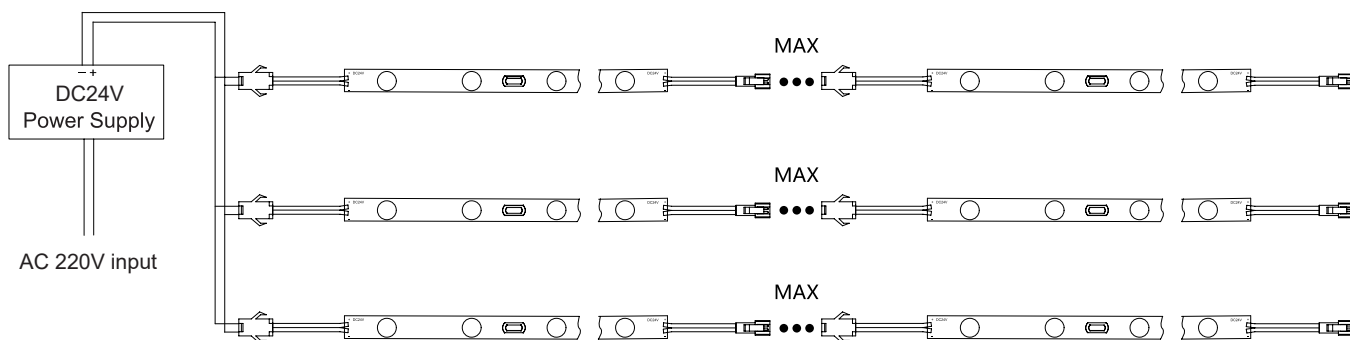
Use packing belt to pack. Add edge protectors if necessary.

Packaging information

Model No.	Product Size L*W(mm)	Carton Size(mm)	pcs/carton	Net Weight(kg)	Gross Weight(kg)
YD8-J-4808	480*16*6.7	685*295*275	200	8.00(1±10%)	9.50(1±10%)
YD8-J-9616	960*16*6.7	1175*295*180	150	11.85(1±10%)	13.50(1±10%)

Note:the above quantity and weight are only for the illustrated packaging method. There will be differences in the quantity and weight with other packaging methods.

Installation



Note:the "MAX" here means the max run quantities

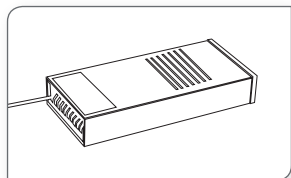
Installation Reference

Model No.	Bottom Color of Lightbox	Surface Material	Depth H(cm)	Illumination (Lux)	Density (pcs/m ²)	Spacing(Y) cm	Watt Density (W/m ²)	Visual Effects
YD8-J-9616	White	White Soft Film	6	4860-5720	10	10	48	OK
			8	3560-4090	7	14	34	
			10	2890-3280	6	16	29	
			12	2380-2670	5	20	19	
			15	2150-2360	5	20	19	
			18	1876-2040	5	20	19	
			20	1720-1850	5	20	19	

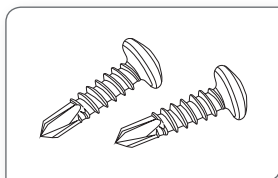


Note:
Bar spacing, see left picture
If you need other installation data, you can ask the sales staff

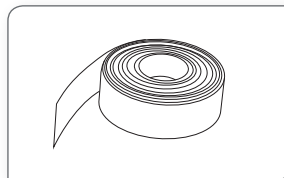
Products and Tools



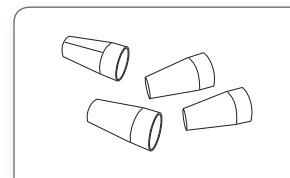
LED power supply



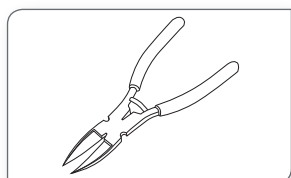
Self-tapping screw



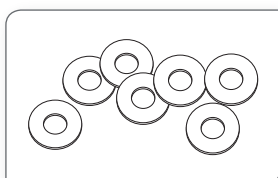
Insulation Tape



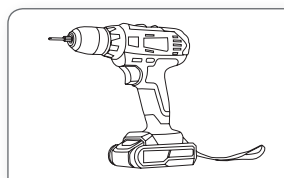
Connection terminal



Diagonal pliers

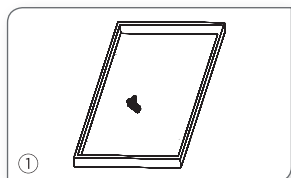


Mounting spacer

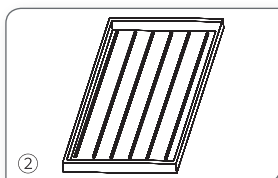


Electric drill

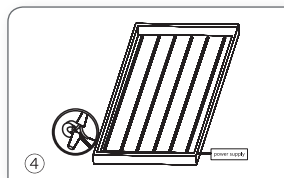
4.Installation Methods and Steps



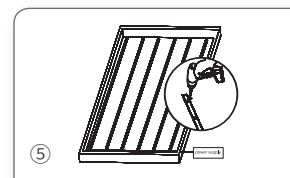
1. Clean the mounting surface.



2. Arrange the mounting space.



4. For bare wire connection, please use terminals.
Treat the thread with insulation, waterproof, and anti-corrosion arrangement as it cannot pull out by hands.



5. Check and ensure correct installation, and fix the product with screws, then power on for self-test.

Note:

1. Screw should away from the welding pad to avoid short circuit.
2. When fastening the screw, mounting spacer should add to insulate the screw from the LED bar.



Attentions before installation

Before installation, check that the product parameters are consistent with the requirements (Seeing product specifications or product labels)
Load voltage, current, power and power supply should be matched with the product.
Follow the instructions of wiring diagram (first connect the load and then the power supply) to avoid short circuit.
Make sure the correct connection of positive and negative poles between products and power supply. Otherwise, the light will not be on.
Make sure the power cord firmly screwed into the terminal and it should not be pulled out by hands.
The terminal should have insulation,waterproof and anti-corrosive treatment.
After installing, the fabric light box must be covered with cloth within 48 hours and avoid long-term idle.

Common Faults and Troubleshoot

Quick Guide		
Problems	Reasons	Solutions
All LEDs can not light on.	No electric supply.	Power on
	Automatic power protection from the open or short circuit in output of the power supply.	Fix the short circuit problem.
	Wrong connection of power supply.	
LEDs can not light on partly.	Some switching mode power supplies are not powered.	Check the power supply system to fix it.
	Power supply line error.	
	Mistaken wire connection of some of products	Correctly connection
Brightness of LED is inconsistent for insufficient.	Power overloaded.	Replace with more powerful power
	Power supply circuit excessive consumption.	Make sure the working voltage of the product within $\pm 5\%$ of standard voltage, or keep balance by circuit power consumption.
	Excessive quantities in series connection of the product	Reduce the quantities of the product in series connection to meet requirement.
LED flicker.	Connection point fault.	Remove bad connection point.
	Switching power supply failure.	Replace a new power supply.
	Wrong Installation or use of products	Please follow the instructions

Warning

- Do not disassemble or retrofit the light. Do not touch the surface of the light with a sharp object.
- Do not do live-line working during installation,especially for high voltage product.
- Do not use any organic chemical solvents.
- Use neutral glass adhesive to fix this product and it needs to be dried 24 hours in the open environment after operation.
- Treat the ends and the circuit connection points that are not connected to the main line with insulation,waterproof, and anti-corrosion in the installation.
- Use 18AWG (0.75mm² cross-sectional area) or thicker core wire to avoid adverse consequences caused by overheating, if the power cable need to lengthen.
- Make sure the input voltage meets the requirements and lines are connected correctly before lighting on.
- This product is for signage, and do not use as general lighting.
- Series connection within the max run.
- The length of the power cable between the power supply and the led strip should not exceed 2 meters.Otherwise, large circuit loss will lead to inconsistent brightness.
- Installation, maintenance and repair should be operated by a qualified technician.

Statements and Recycling

Statements:

Repair should be operated by a qualified technician, if the external circuit or main line of this product is damaged.
The parameters given in this manual are typical values and for reference only.
All illustrations and drawings in this manual are for reference.
This product is subject to change without notice.

Recycling:

LED lighting products belongs to electronic products, please do recycling treatment according to the relevant WEEE directives.