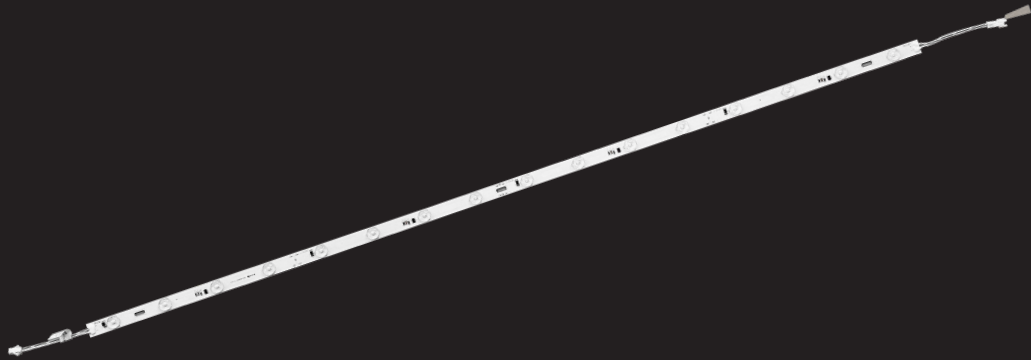
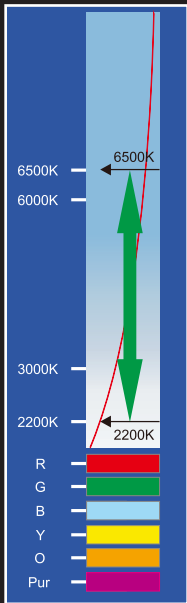




Features

1. High light efficiency 135lm/w.
2. Secondary light distribution lens for uniform lighting.
3. Aluminium PCB for better heat dissipation.
4. Multiple specifications, support customization.

Application

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

Installation

Fixed by screws or adhesive tape



Specification

Model No.	Light Color	Color Temperature(K)	Beam Angle	Typical Luminous Flux value(lm/pcs)	Ra	Efficacy (lm/W)	Voltage (V DC)	Power (W/pcs)
YD7-J-2404	W	2200-6500	180°	312	80+	135	24V	2.4
YD7-J-4808				624				4.8
YD7-J-9616				1250				9.6

Other Parameters

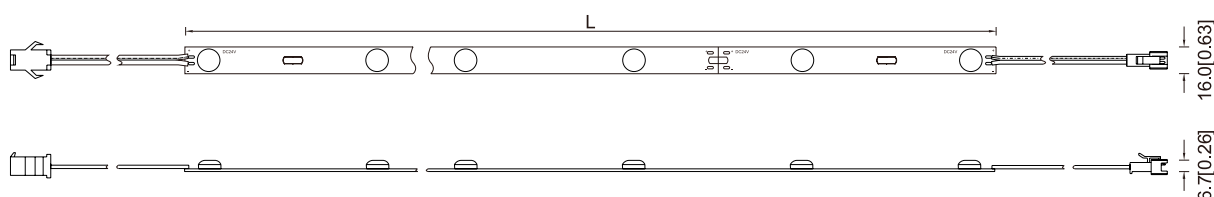
Model No.	LED Quantity/ pc	Product Size L*W*H(mm)	Standard Run (pcs)	Max Run (pcs)	Working Temperature	Storage Temperature
YD7-J-2404	4	240*16*6.7	2	12	-20~+60°C	-20~+70°C
YD7-J-4808	8	480*16*6.7	4	6		
YD7-J-9616	16	960*16*6.7	8	3		

Note:

1. Test environment temperature : 25±2°C.
2. The luminous flux is tested at 6000-6500K.
3. The actual data of each single product may differ from the typical values. The data is subject to change without notice.
4. The luminous flux and power tolerance within ±10%
5. Different color temperature will make luminous flux different.
6. Max run quantity is based on double feed.

Profile Drawings

Unit: mm[inch]



Note:

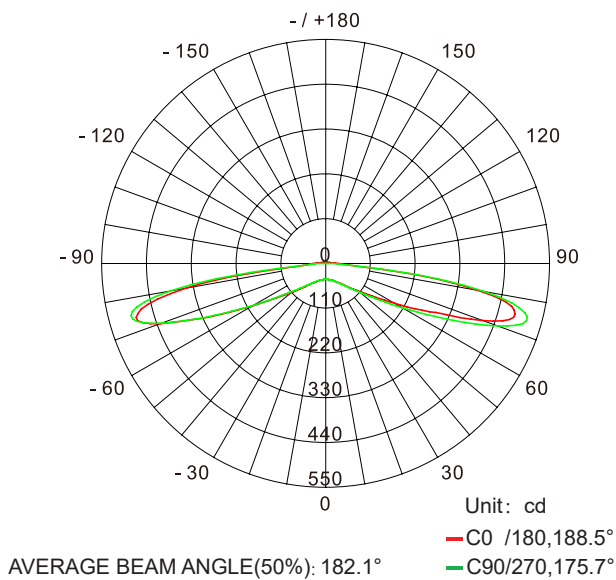
Dimension tolerance: length±1mm, width ±0.2mm, thickness ±0.2mm
More info, please consult sales rep.

Reliability Test

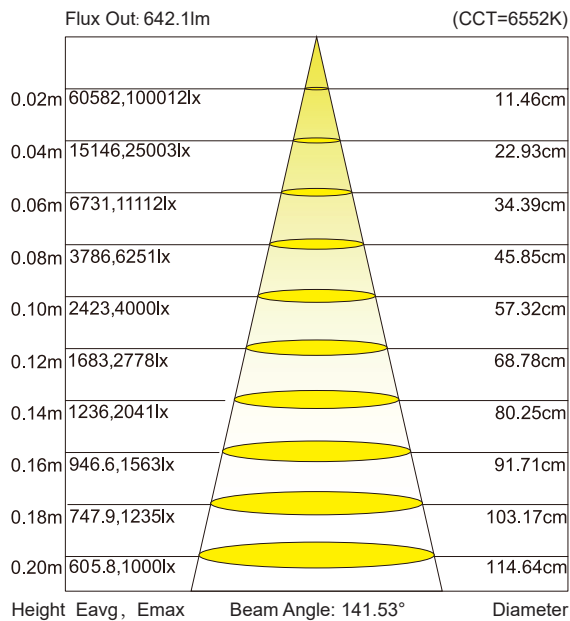
Type	Name	Standard	Condition	Result
Environmental test	PTC test	Blueview standard	Test temperature: -40°C— 60°C, 2h one cycle (constant temperature: 15 minutes, heating and cooling: 45 minutes)	Pass
	High Temperature Test		TH=60/80°C, continuous power on	



Luminous Intensity Distribution Diagram



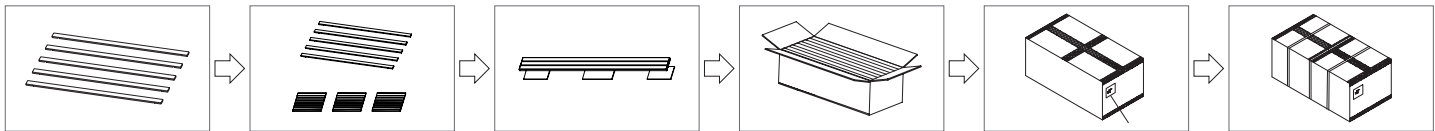
Average Illumination



Note: the above two figures are tested with sample YD7-J-9616,for other data please consult sales rep.



packing



- 1. Put the checked products neatly on the working table.
- 2. Use two plastic trays for lengths less than 1m, and three plastic trays for lengths greater than 1m
- 3. Put the product into plastic trays.
- 4. Put products into carton box.
- 5. Seal and label the box.
- 6. Use packing belt to pack. Add edge protectors if necessary.

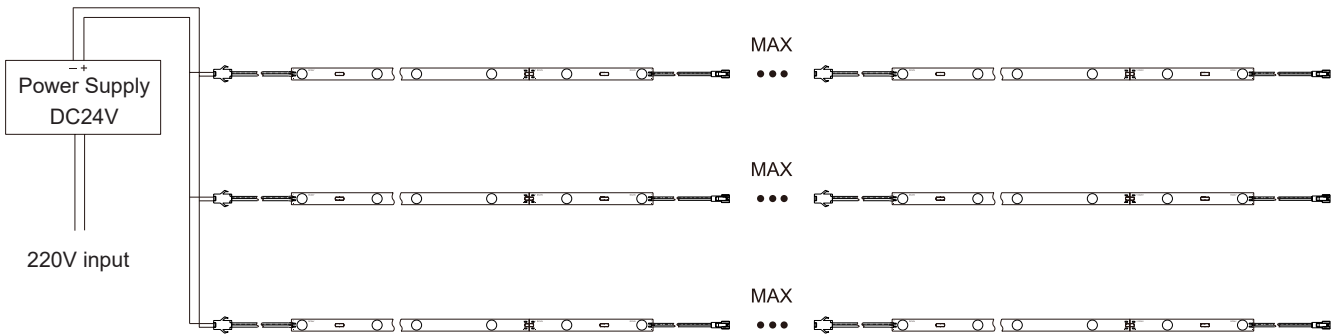
Packaging information

Model No.	Product Size L*W*H(mm)	Carton Size(mm)	Pcs/Carton	Net Weight(kg)	Gross Weight(kg)
YD7-J-2404	240*16*6.7	390*390*325	240	9.00(1±10%)	11.00(1±10%)
YD7-J-4808	480*16*6.7	685*295*275	150	8.00(1±10%)	9.50(1±10%)
YD7-J-9616	960*16*6.7	1175*295*180	120	10.10(1±10%)	12.50(1±10%)

Note:
Each piece packed in a PE bag, then loaded in a carton
Above packing method is just for reference, and the packing quantity and weight are subject to actual packing.

Installation

Connection Diagram

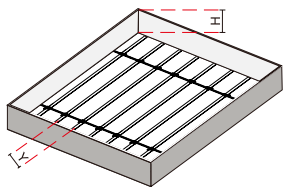


Note:"MAX" mean standard run quantity



Installation Reference

Model No.	Bottom Color of Lightbox	Surface Material	Depth(H) cm	Illumination (lux)	Density (pcs/m ²)	Spacing (Y)cm	Power Density (W/m ²)	Visual Effects
YD7-J-9616	White	White Soft Film	6	9510-11050	10	10	96	OK
			8	7420-8530	7	14	67	
			10	5740-6520	6	16	58	
			12	4550-5110	5	20	48	
			15	4020-4470	5	20	48	



Note:
- Spacing of each bar , as the picture shows .
- More information, please consult sales rep.

Products and Tools

LED power supply

Electric drill

Diagonal pliers

Screws

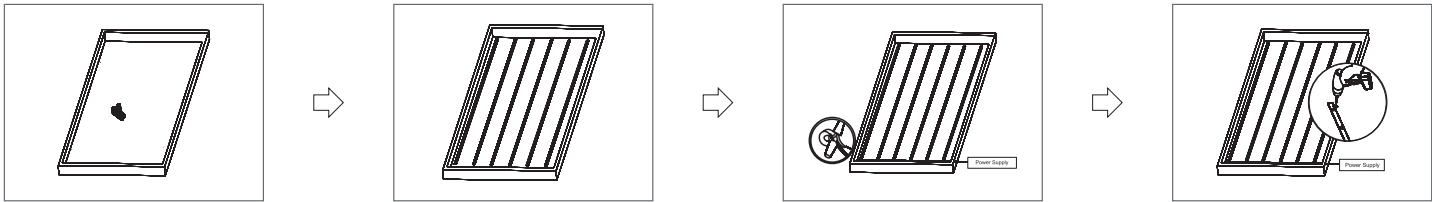
Mounting gasket

Connection terminal

Insulating tape

Installation Methods and Steps

Method one: fix by double-sided foam tape and screws



1. Clean the mounting surface free of dust and debris.
2. Arrange the mounting space.
3. For bare wire connection, please use terminals.
Treat the thread with insulation,waterproof, and anti-corrosion arrangement as it cannot pull out by hands.
4. Check and ensure correct installation, and fix the product with screws ,then power on for self-test.

Note:
1. Screws should away from welding pad to avoid short circuit.
2. When fastening the screw, make sure to add plastic gaskets to insulate the screw from the PCB.

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.
- Please take and use the product gently to avoid damage.
- **After installation, the fabric light box must be covered with cloth within 48 hours. Please avoid leaving the light box idle for a long time.**

Common Faults and Troubleshoot

Quick Guide		
Problems	Reasons	Solutions
All LEDs can not light on.	No electric supply.	Fix the short circuit problem.
	Automatic power protection from the open or short circuit in output of the power supply.	
	Wrong connection of power supply.	
LEDs can not light on partly.	Some switching mode power supplies are not powered.	Correctly connection.
	Power supply line error.	
	Mistaken wire connection of some of products	
Brightness of LED is inconsistent tor 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.
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