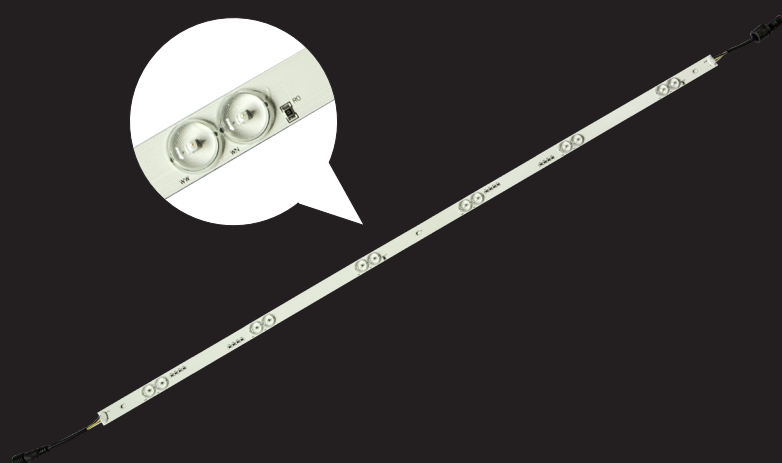
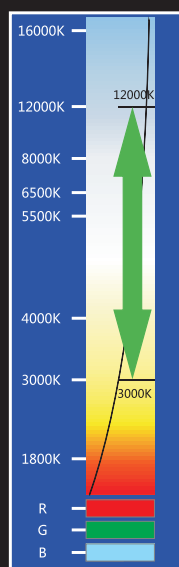




Version: A1.2

Features

1. Adopt high quality 3030 LED
2. Self-designed lens with 170° beam angle, suitable for slim light box
3. Aluminum PCB for direct and quick heat dissipation
4. Create rich color changing effect via controller
5. Three lengths for option

Application

Suitable for advertising lighting like back-lit lightbox with thickness of 8-15cm.

Installation

Fix with screws



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)
WN-YD7-3204	White	2500	170°	260	80+	70	24V	3.72
		6500						
WN-YD7-4806	White	2500	170°	335	80+	90	24V	3.72
		6500						
WN-YD7-9612	White	2500	170°	670	80+	90	24V	7.44
		6500						

Other Parameters

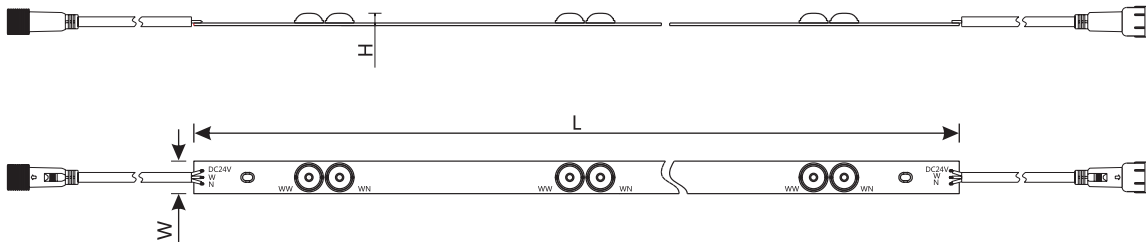
Model No.	LED Quantity/pc	Product Size L*W*H(mm)	Max Run Single ended(pcs)	Working Temperature	Storage Temperature
WN-YD7-3204	4	320.0X20.0X7.5	8	-25~+60℃	-25~+70℃
WN-YD7-4806	6	480.0X20.0X7.5	5		
WN-YD7-9612	12	960.0X20.0X7.5	3		

NOTE:

1. Test environment temperature : 25±2℃.
2. The above data is typical values. The actual data of each single product may differ from the typical values. The data is subject to change without notice.
3. The luminous flux is tested with single light on.
4. Different color temperature will make luminous flux different.
5. Power tolerance within ±10%.

Profile Drawings

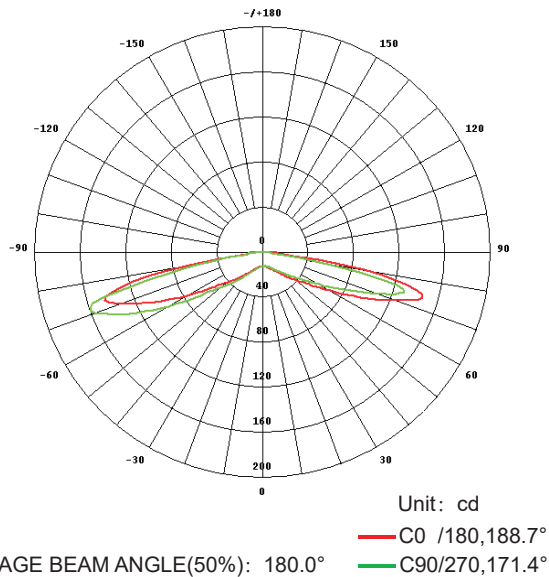
Unit:mm



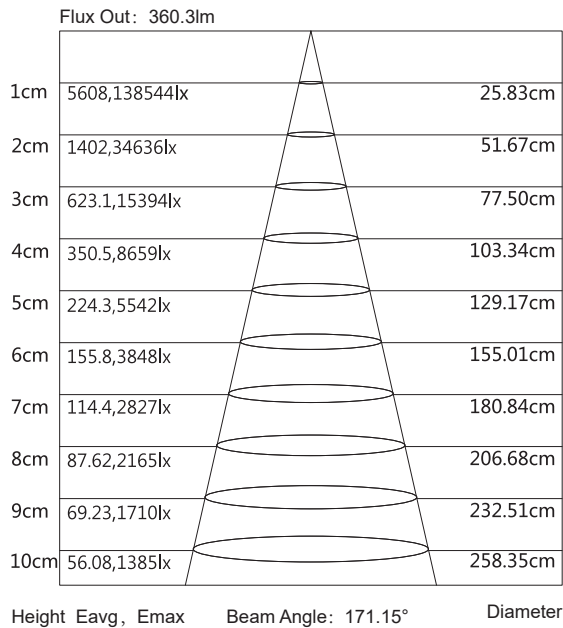
Note: Please ask the sales for detail drawing.



Luminous Intensity Distribution Diagram

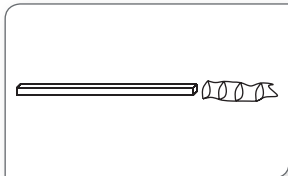


Average Illumination

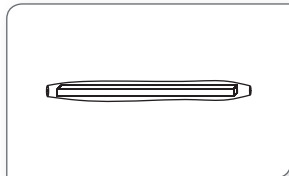


NOTE:
the above two figures are tested with the sample WN-YD7-3204 normally on at 2500K, please contact sales for other data.

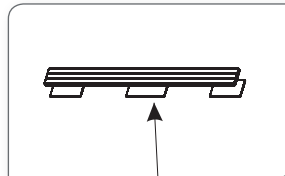
packing



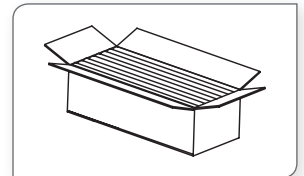
Put the product into PE bag.



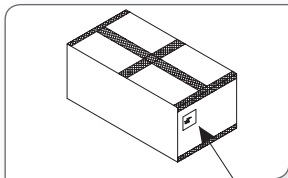
Seal the bag in two ends and label it.



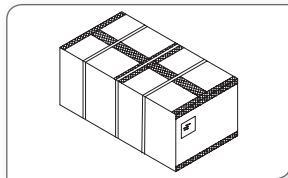
Separate the product layer by layer with foam.



Put the product and accessories bag into carton box.



Seal and label the box.



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

Packaging information

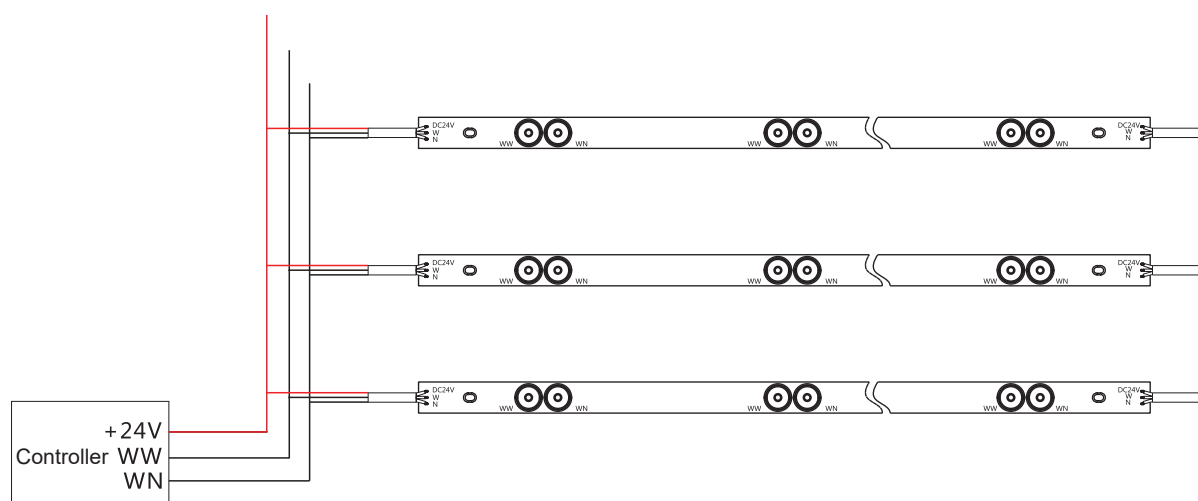
Model No.	Product Size L*W*H(mm)	Carton Size(mm)	Total Quantity(pcs)	Net Weight(kg)	Gross Weight(kg)
WN-YD7-3204	320.0X20.0X7.5	390X390X325	210	9.2(1±10%)	10.5(1±10%)
WN-YD7-4806	480.0X20.0X7.5	550X400X340	210	12.3(1±10%)	13.6(1±10%)
WN-YD7-9612	320.0X20.0X7.5	1175X295X180	100	15.5(1±10%)	16.8(1±10%)

Note:

1. Shipping materials: PE bags and carton box.
2. 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

1.Connection Diagram



2.Installation Reference

Model No.	Light Box	Bottom Color of Light Box	Surface Material	Thickness H(cm)	Brightness (Lux)	Density (pcs/ m ²)	Bar Spacing Y(cm)	Visual effects
WN-YD7-9612	Single-sided Lightbox	White	White Soft Film	8	3190-3310	6	16	OK
				9	2520-2750			
				10	2040-2260			
				12	1590-1685			
				15	1041-1131			



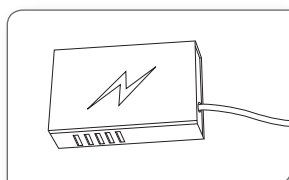
Note:

Spacing, see left;

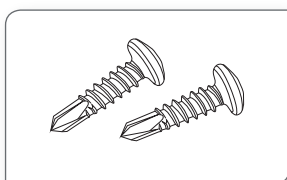
The above figure is tested with sample WN-YD7-9612 normally on at WN, the other spec. please contact the sales for other data.



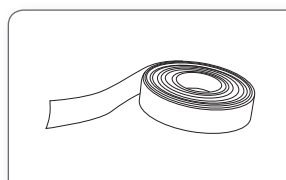
3.Products and Tools



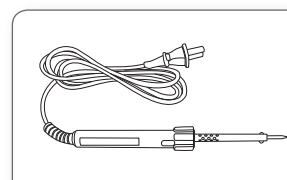
LED power supply



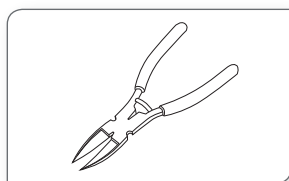
Self-tapping screw



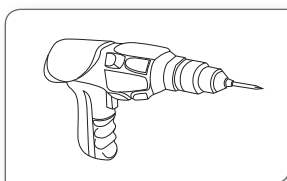
Insulation Tape



Electric iron



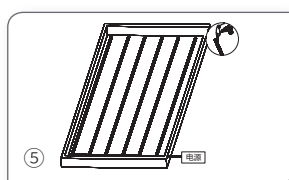
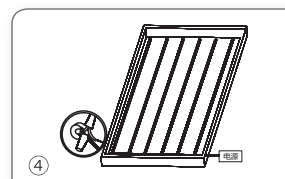
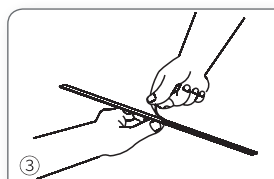
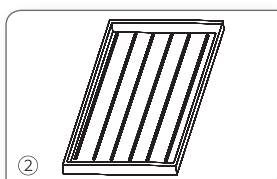
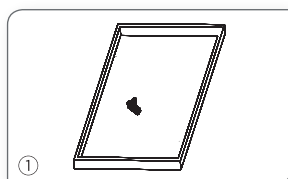
Diagonal pliers



Electric drill

4.Installation Methods and Steps

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

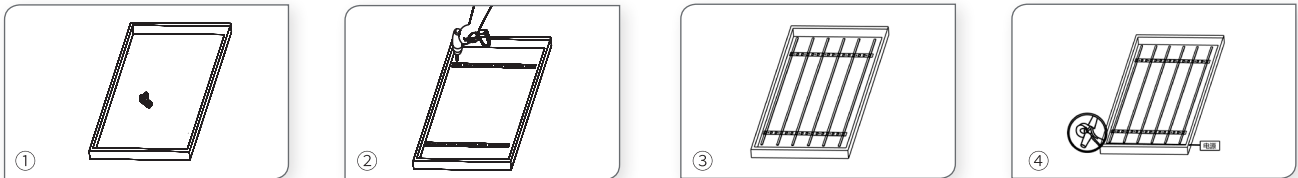


1. Clean the mounting surface.
2. Arrange the mounting space.
3. Peel away the self adhesive tape on the rear of product and evenly mounting the product with appropriate space.
4. For bare wire connection, please use terminals.
Treat the thread with insulation,waterproof, and anti-corrosion arrangement 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 to avoid welding plate, avoiding short circuit
2. When fastening the screw, make sure to add plastic gaskets to insulate the screw from the LED panel.

Method two: fix by clip bar



1. Clean the mounting surface.
2. Evenly mounting the clip bars with appropriate space and fix with screws.
3. Fix the product one by one with clips on the bar.
4. For bare wire connection, please use terminals. Connect the power supply and treat the wire end well.
Cut in the middle of the wire.

Note:

1. Make sure the metal clip bar without reach any live part to avoid short circuit.
2. Treat the wire end with insulation, waterproof, and anti-corrosion arrangement as it cannot pull out by hands.
3. Screw to avoid welding plate, avoiding short circuit
4. When fastening the screw, make sure to add plastic gaskets to insulate the screw from the LED panel.



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 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.	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 or 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 4 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.