

Features

1. Adopt high quality 3030 LED
2. Self-designed secondary lens with 180° beam angle for uniform light
3. Aluminum PCB for direct and quick heat dissipation
4. Curtain style for easy mounting.
5. Two lengths for option, customization available.
6. Exclusive designed clips for easy installing and great appearance.

Application

Suitable for back-lit lightbox with depth of 4-12cm, signage lighting.

Installation

Fix by 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)
H3-4807	W	8000-9000	180°	647	70+	110	12V	6
H3-9313	W	8000-9000	180°	1201	70+	110	12V	11

Other Parameters

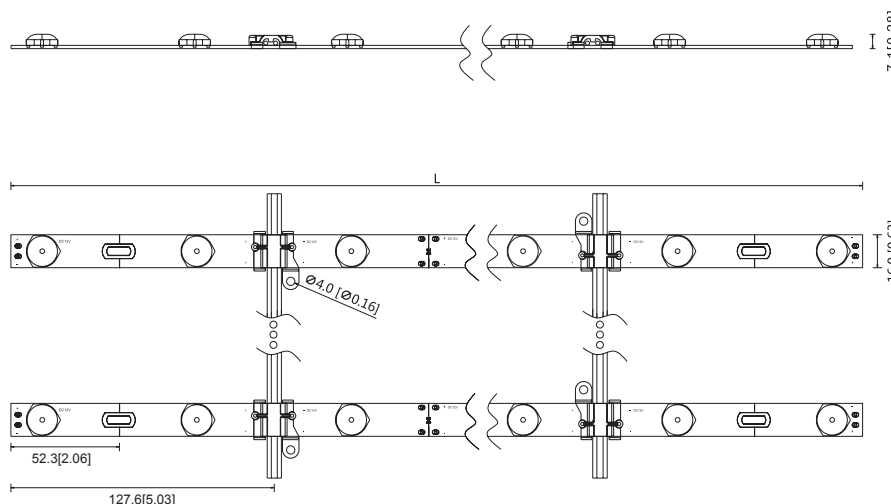
Model No.	LED Quantity/pc	Product Size L*W(mm)	Standard Packing Quantity (pcs/string)	Max Run Single feed(pcs)	Working Temperature	Storage Temperature
H3-4807	7	480*16	10	15	-25~+60°C	-25~+70°C
H3-9313	13	930*16	10	10	-25~+60°C	-25~+70°C

NOTE:

1. Test environment temperature : 25±2°C.
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. Luminous flux above is tested with single-color light on at 6000-6500K.
4. Different color temperature will make luminous flux different.
5. The Luminous flux&power tolerance within ±10%.
6. The max run refers to the product number when it is applied, not equal to the standard packing quantity.
7. If the brightness is uneven in standard cascade or maximum cascade application, double-feed power supply is required

Profile Drawings

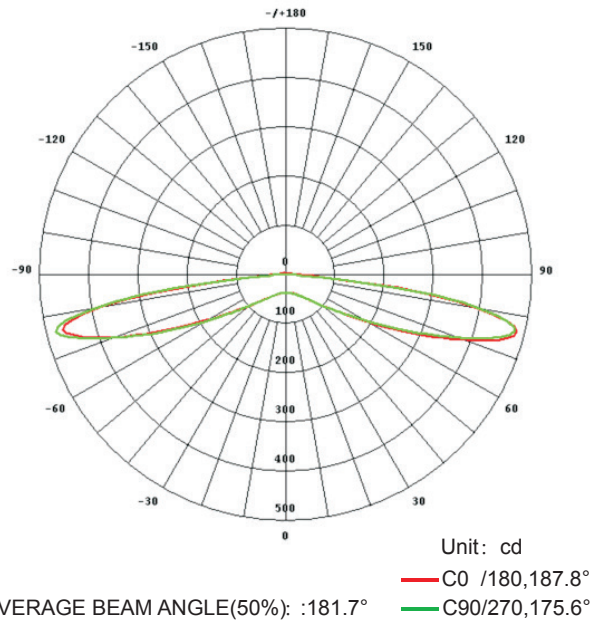
Unit:mm[inch]



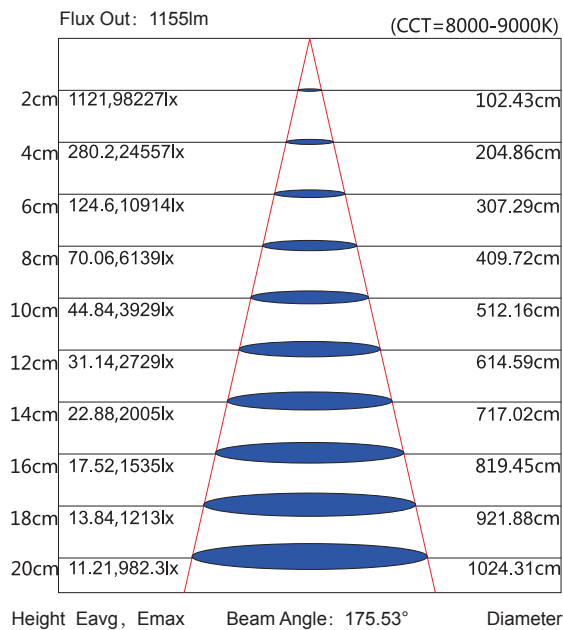
Note: For detailed drawing, please consult sales rep.



Luminous Intensity Distribution Diagram

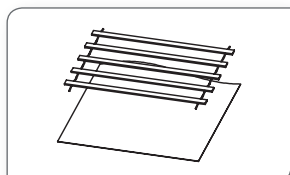


Average Illumination

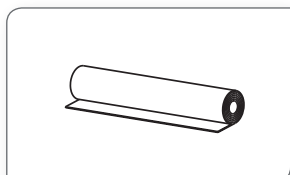


Note: the above two figures are tested with the sample H3-9313 at 8000-9000k, please contact sales for other data.

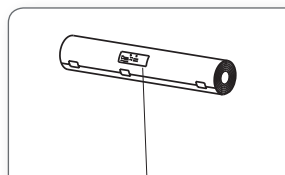
packing



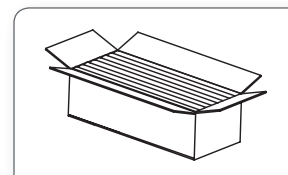
Roll the product with EPE foam.



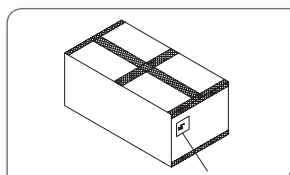
Seal the reel.



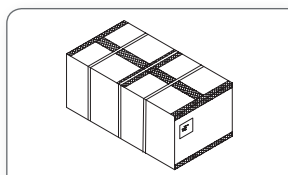
Label the reel.



Put the product neatly 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)	Total Quantity(pcs)	Net Weight(kg)	Gross Weight(kg)
H3-4807	480*16	550*400*340	300	12.25(1±10%)	13.55(1±10%)
H3-9313	930*16	1175*295*180	150	10.85(1±10%)	12.28(1±10%)

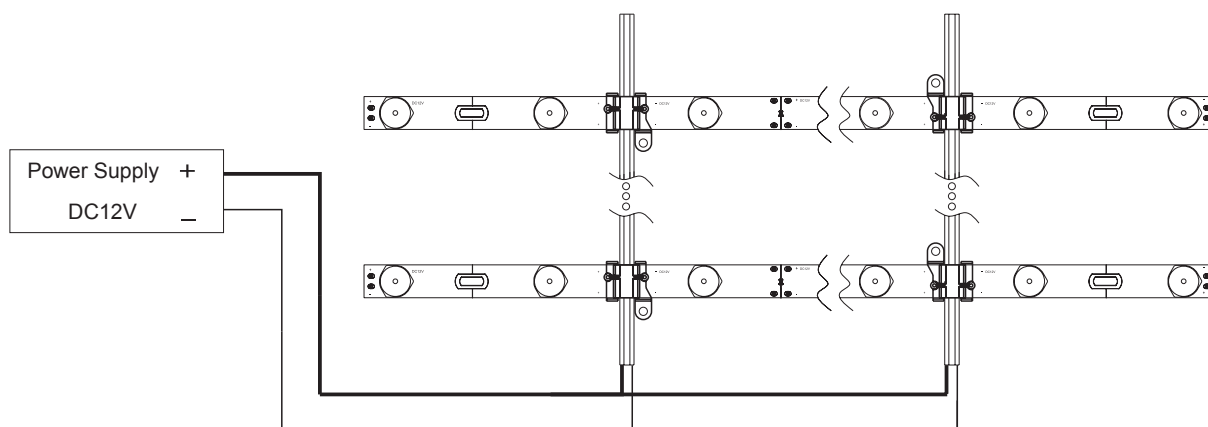
Note:

Packaging material: EPE foam and carton box.

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.	Bottom Color of Lightbox	Surface Material	Depth H(cm)	Illumination (Lux)	Density (pcs/ m ²)	Bar Spacing Y(cm)	Power Density (W/ m ²)	Visual effects
H3-9313	White	White Soft Film	4	9350-12510	12	8	132	OK
			5	6140-7630	7	14	77	OK
			6	3760-5020	4	25	44	OK
			8	3520-4510	4	25	44	OK
			10	2720-3450	3	33	33	OK
			12	2020-2360	2	50	22	OK



Note:

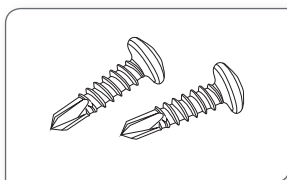
- 1.Spacing, see left;
- 2.Please contact the sales for other data if you need.



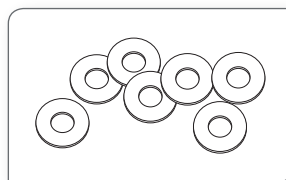
3.Products and Tools



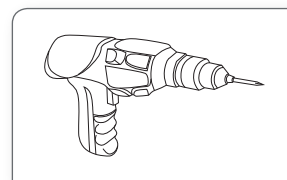
H3



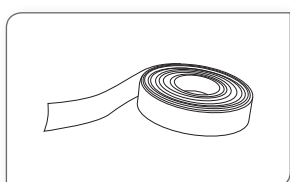
M3 Self-tapping screw



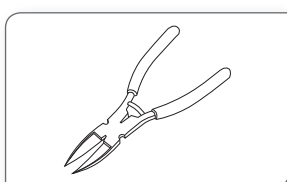
Mounting gasket



Electric drill



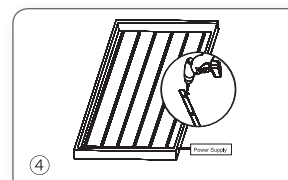
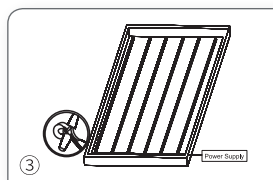
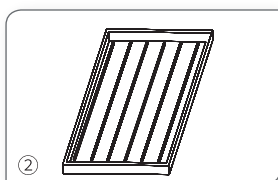
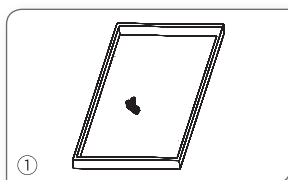
Insulation Tape



Diagonal pliers

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. 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. 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.



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.

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.