

## Features

1. Adopt high efficacy 2835 LED
2. Cut-To-Fit: Systems are adaptable to any size installation and can accommodate obstacles and shapes.
3. Easy Mounting: 3M double sided tape & screw holes make fast and easy installation without special tools.
4. Constant Current Engineered: DC12V Input, constant current, more connection with consistent light output.
5. Quick Connector XH-2Y & Multiple Connection spot: Pin type assemblies are easy and stable way to connect panels.
6. IP22(non-waterproof) & IP64(spray glue coated) available.

## Application

Light box, luminous letter, signage, general lighting, steps, roads, bridges, yards etc.

## Installation

Fix by 3M self adhesive tape and screws



Optical & Electrical Parameters

Model No.	Light Color	Color Temperature(K)	Beam Angle	Ra	Luminous Flux (lm/pcs)	Efficacy (lm/W)	Voltage (V DC)	Power (W/pcs)
H150-W-CN-H2835-288-12-W2	W	3000	120°	80+	3110	120	12V	26
	W	4000			3162	122		26
	W	5000			3214	124		26
	W	6500			3266	126		26

Note: the luminous flux above is the data of spray glue version, the non-waterproof one is 1.05 times of this data.

Other Parameters

Model No.	LED Quantity (pcs/pc)	Product Size L*W*H(mm)	Max Run Single ended(pc)	Min Cuttable Length(mm)	Working Temperature	Storage Temperature
H150-W-CN-H2835-288-12-W2	288	610x305x8	4	50.8x50.8	-20~+60°C	-20~+70°C

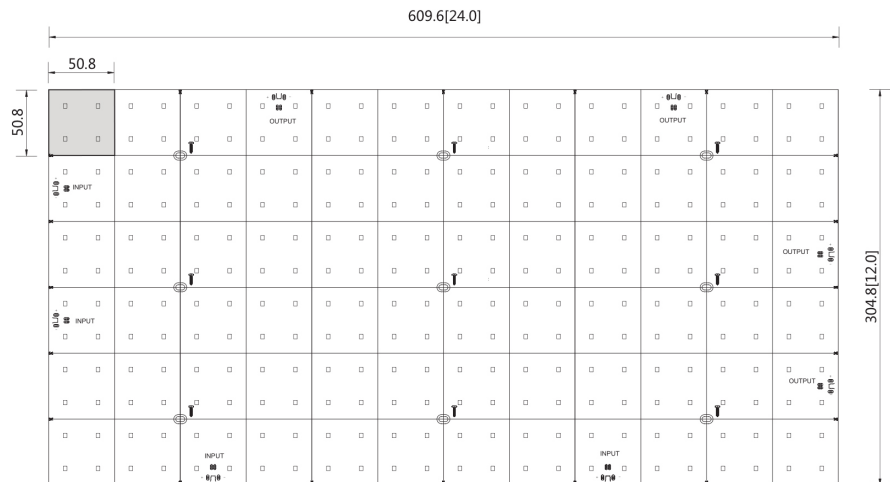
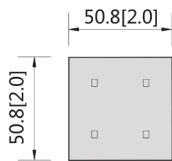
NOTE:

1. 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.
2. The beam angle is tested with single color on.
3. Different color temperature will make luminous flux different.
4. Power and luminous flux tolerance within±10%.

Profile Drawings

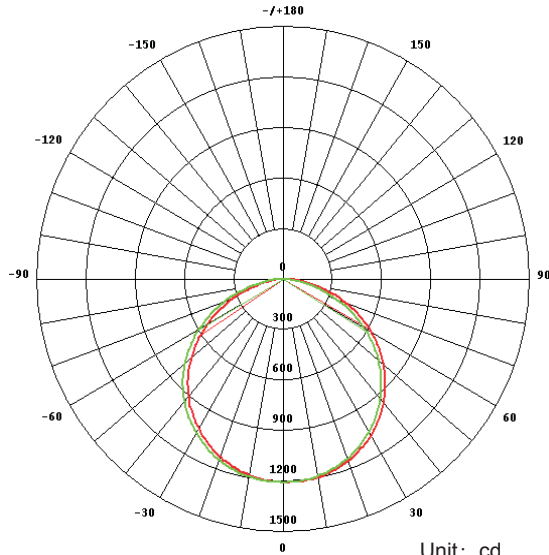
Unit:mm

Min cuttable unit





Luminous Intensity Distribution Diagram



Unit: cd

— C0 /180,117.3°

— C90/270,117.7°

AVERAGE BEAM ANGLE(50%): 117.5°

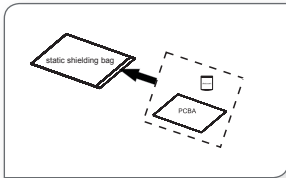
Average Illumination

Flux Out : 2782lm (CCT=6500K)

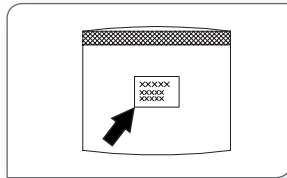
Height	Eavg, Emax	Beam Angle: 117.33°	Diameter
1cm	3196865,12067533 lx		3.28cm
2cm	799216,3016883 lx		6.57cm
3cm	355207,1340837 lx		9.85cm
4cm	199804,754221 lx		13.14cm
5cm	127875,482701 lx		16.42cm
6cm	88802,335209lx		19.71cm
7cm	65242,246276lx		22.99cm
8cm	49951,188555lx		26.28cm
9cm	39467,148982 lx		29.56cm
10cm	31969,120765lx		32.85cm

Note: the above two figure are tested with sample H150-W-H2835-288-12 at 6500K.

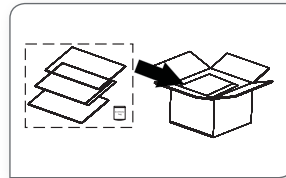
packing



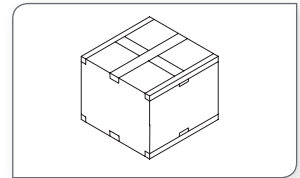
Put the product and desiccant together into static shielding bag;



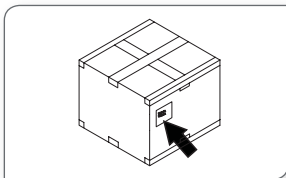
Seal and label the static shielding bag;



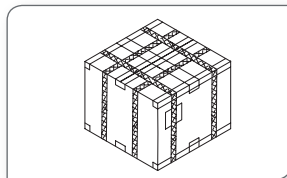
Separate the layers with EPE foam or paperboard and put the accessory bag into carton box.



Seal the carton box;



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)	PCS/ Bag	Bag/ Carton	Net Weight(kg)	Gross Weight(kg)
H150-W-CN-H2835-288-12-W2	610x305x8	640x350x355	2	20	12.9(1±10%)	14.8(1±10%)

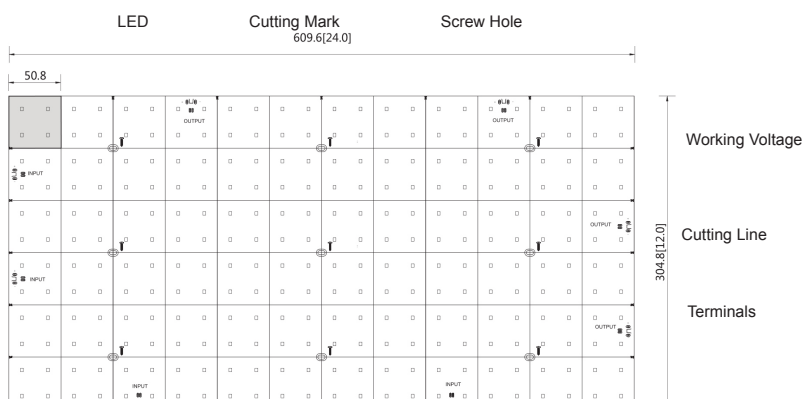
**Note:**

1. Every 2pcs back with back packed in an anti-static bubble bag and put into 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.

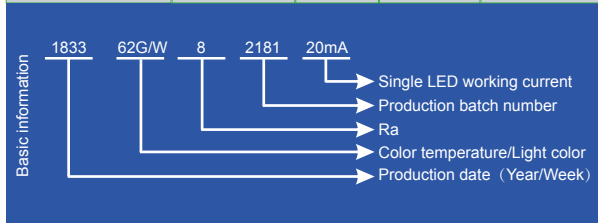
### Installation

#### 1.The Product

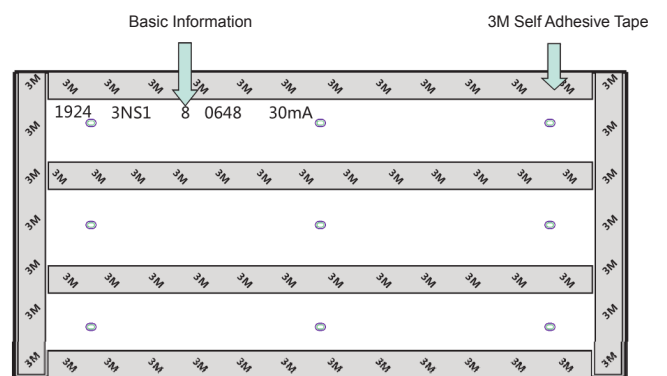
##### Front View



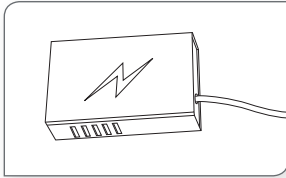
	Application	Quantity	Position	Note
Screw mounting hole	Fix the product	9	-	Runway-type Hole
Cutting line	Cutting position	-	With scissors mark	-
Terminal	Connect Power Supply	--	-	2Pin terminal
3M self adhesive tape	Pre-fix	6	-	-
Basic information	--	-	-	See the below information



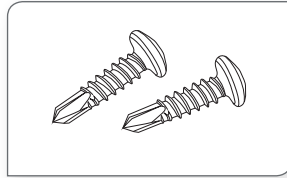
##### Back View



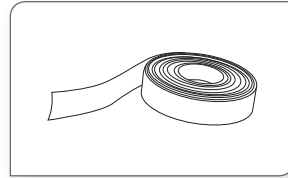
## 1.Products and Tools



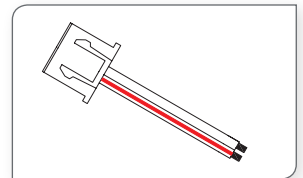
LED power supply



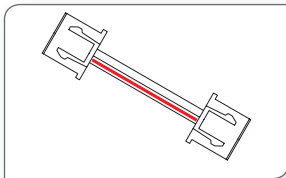
Self-tapping screw



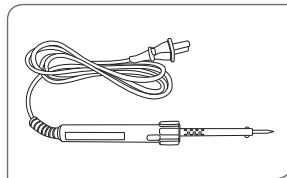
Insulation Tape



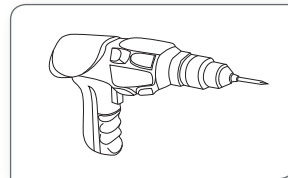
XH-2Y Power cable



XH-2Y Joint line

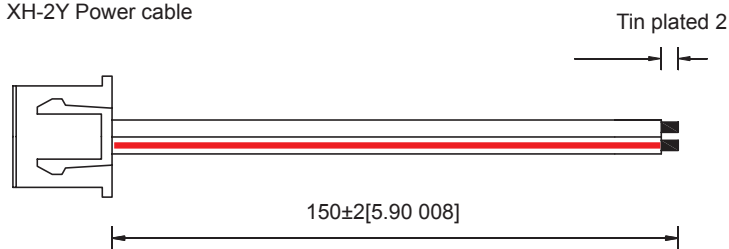


Electric iron

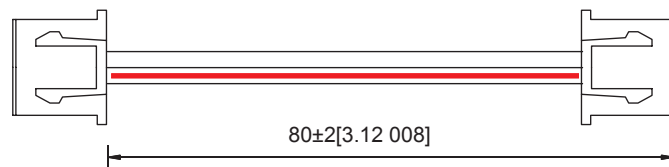


Electric drill

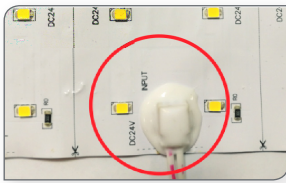
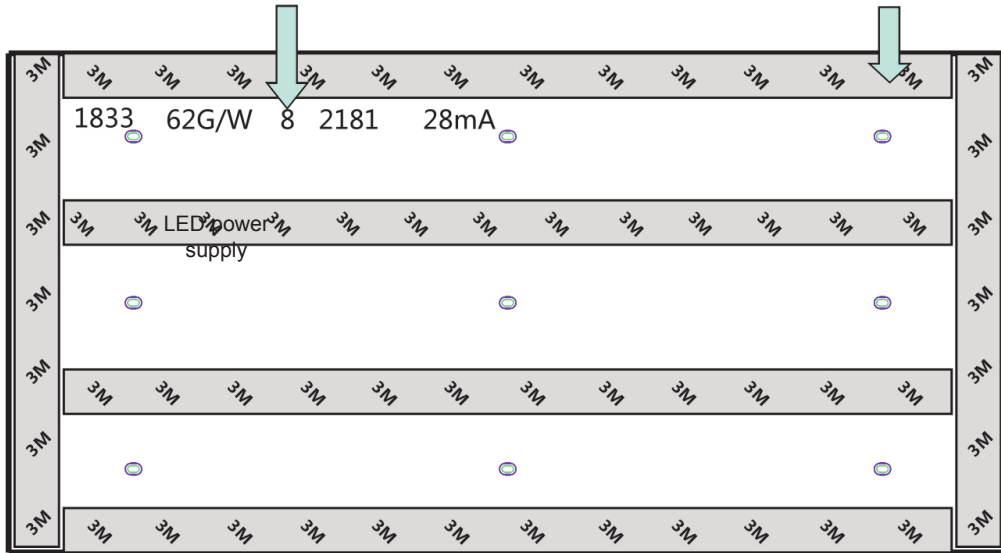
XH-2Y Power cable



XH-2Y Joint line

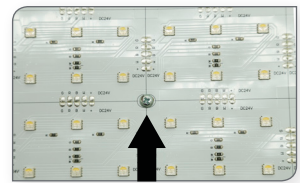
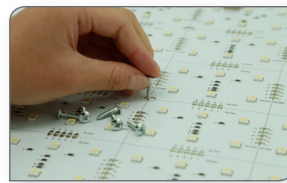
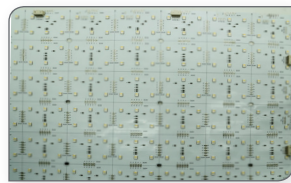


### 3. Product Connection Diagram



Note:  
For terminal waterproof treatment of spray glue product, it is recommended to use neutral glue.

### Installation Steps



- Sign surface
- Light box border
- Flexible panel
- Light box bottom

Note:  
“+” for white and red wire.  
The above diagram is only for installation, not the physical drawing.



## 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.

## 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.
- 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 (0.75mm<sup>2</sup> 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.