



Features

1. Adopt high quality 2835 LED
2. Aluminum PCB injection molding with beautiful outlook
3. IP65 rating
4. Input voltage DC 12V.
5. Single module cuttable.

Application

Suitable for backlit lightbox with depth of 5-20cm.

Installation

Fix by adhesive tape or screws



Specification

Model No.	Light Color	Color Temperature(K)	Beam Angle	Luminous Flux (lm/pcs)	Ra	Efficacy (lm/W)	Voltage (V DC)	Power (W/pcs)
ST2E-2	W	2000-12000	150°	78-81	80+	65	12	1.2
ST2E-3				120-125		100		

Other Parameters

Model No.	Quantity (LED Qty/pc)	Product Size L*W*H(mm)	Standard Run (pcs)	Max Run(single feed) (pcs)	Working Temperature	Storage Temperature
ST2E-2	2	48*15*8.2	20	20	-20~+60°C	-20~+70°C
ST2E-3	3	68*15*8.2				

NOTE:

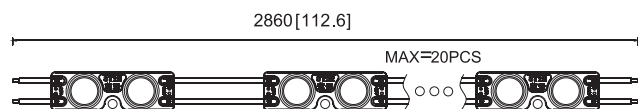
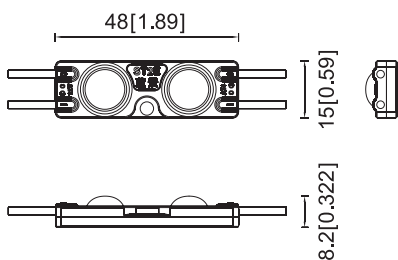
Test environment temperature : 25±2°C.

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. The data of ST2-E-2 is tested at a color temperature of 9000-10000K, and ST2-E-3 at 6500-7000K.

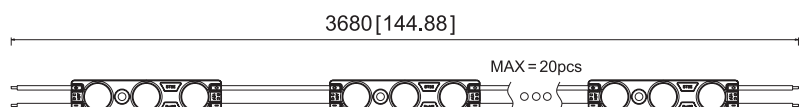
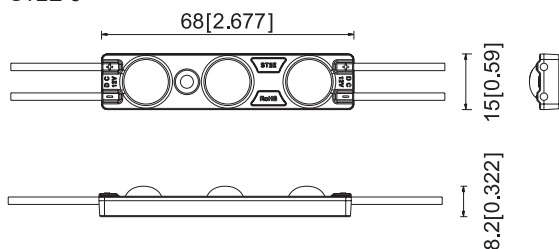
Profile Drawings

Unit:mm[inch]

ST2E-2



ST2E-3

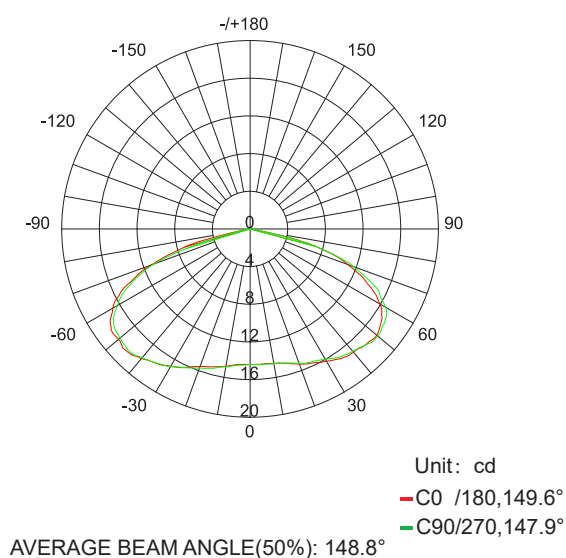


Note: For detail drawing, please consult sale rep.

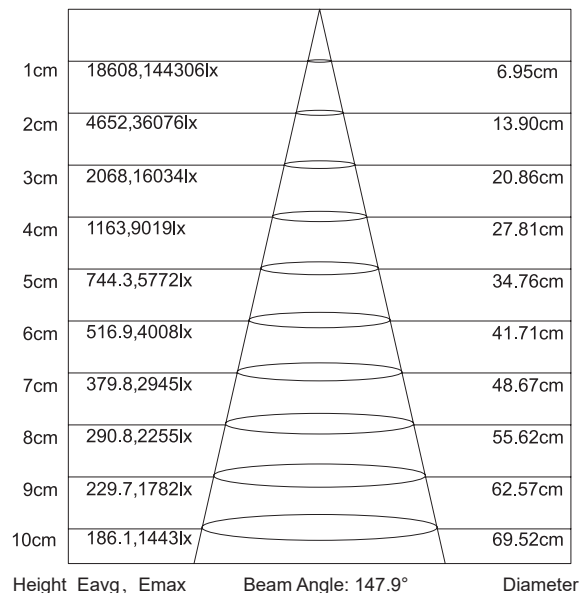
Luminous Intensity Distribution Diagram

Average Illumination

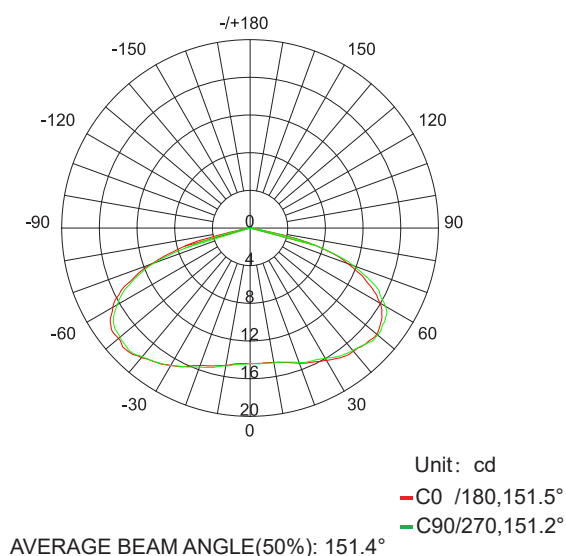
ST2E-2



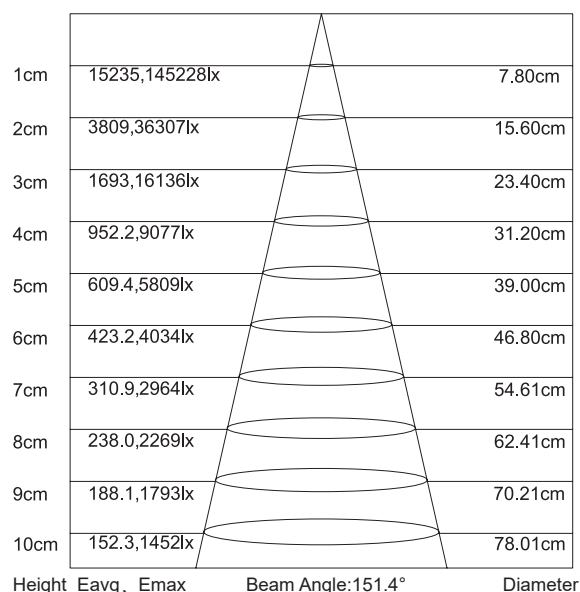
Flux Out: 71.10lm



ST2E-3

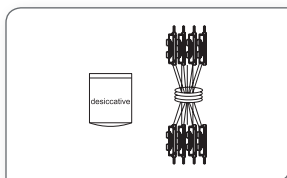


Flux Out:118.1lm

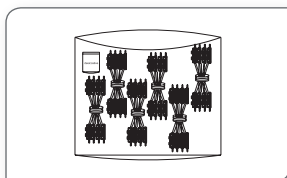




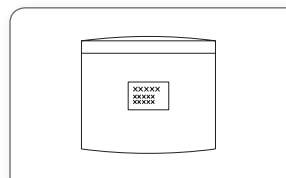
packing



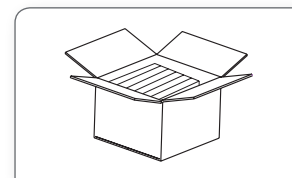
Prepare the desiccant and bind the product.



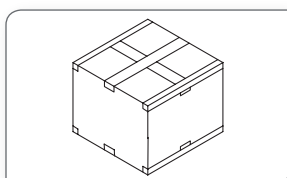
Put the product and desiccant into static shielding bag.



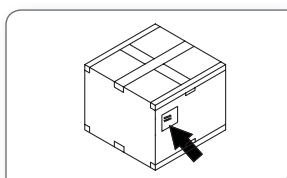
Seal and label the static shielding bag.



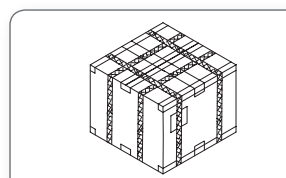
Put the static shielding bag side by side into carton box.



Seal the box.



Label the box;



Use packing belt to pack after adding the edge protectors.

Packaging information

Model No.	Product Size L*W(mm)	Carton Size(mm)	Total(pcs/carton Box)	Net Weight(kg)	Gross Weight(kg)
ST2E-2	48*15*8.2	390*390*325	2400	19.5(1±10%)	20.5(1±10%)
ST2E-3	68*15*8.2		1600	18.5(1±10%)	19.5(1±10%)

Note:

Packing materials: static shielding bag and carton box.

The number of modules in each string is 20pcs, and 6 strings are loaded in an anti-static shielding bag

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.

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.	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.