

Technical data

CODE:

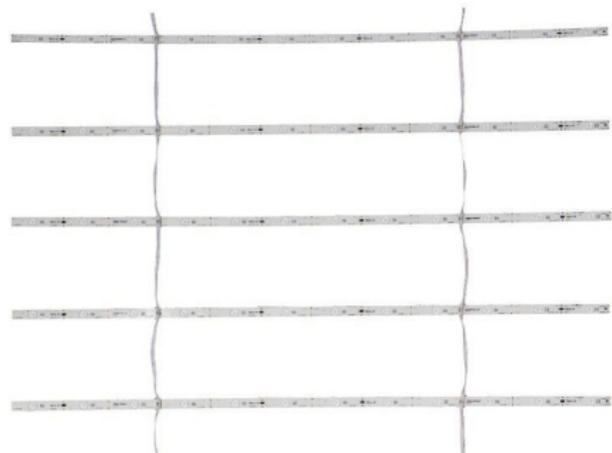
581102

PRODUCT:

LED BAR

NOTE:

TECHNICAL DATA

IMAGE:**LAST UPDATE:**

3/2026

LED BAR

2835
SMD

Lens
Injection

DC
12/24V

IP
65

3
years

10pcs 2835SMD LEDs, 930*17mm, single-sided lighting with lens, silica gel injected series, constant voltage, DC 24V, unimetric shutter LED rigid bar (White 10W)

Features

- 2835 SMD LED with high efficiency, low attenuation and long life
- Silica Gel Dripping protection technology, protection level up to IP65
- Secondary optical distribution, uniform light
- Shutter structure for easy application
- PCB aluminium base matched with high quality aluminum profile: good heat dissipation and long life

Applications

- Suitable for 6~12 cm, the best for 8~10 cm depth backlit light box

Warranty

- 3 years or 13,000 hours, whichever comes first



Optical and Electric data

Color	CCT (K)	CRI	Beam angle (°)	Lumen (lm/m)	Efficiency (lm/W)	Voltage (V DC)	Current (mA)	Power (W/piece)
NW	7000	≥80	160	950	95	24	417	10

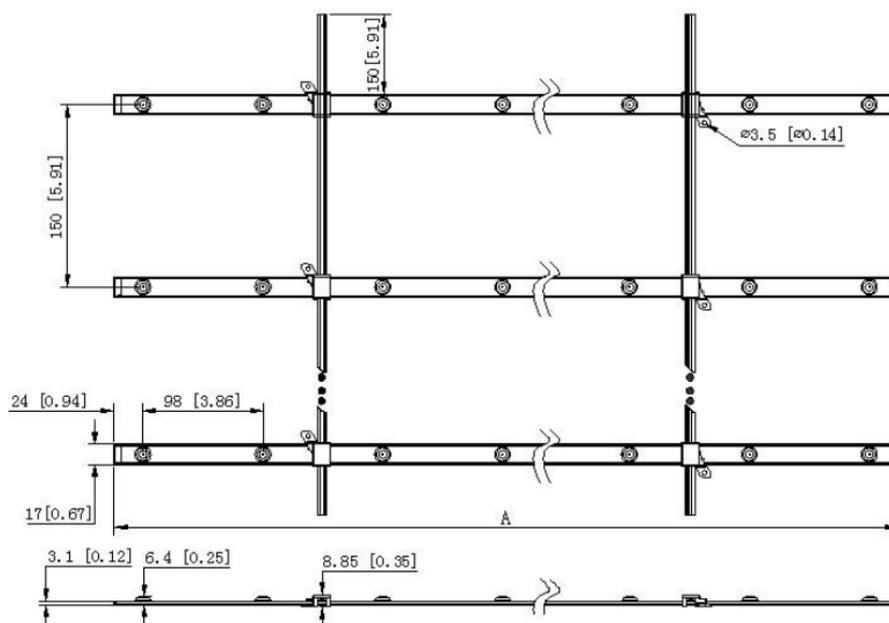
Other features

IP grade	Operating temperature (°C)	Storage temperature (°C)	Length (mm)	Cascading (pcs)	LED Qty (pcs)	Weight (g/piece)
Ip65	-25~+60	-25~+70	930	10	10	114

Notes:

- Testing environment temperature: 25±2
- The actual data of each single product may different from above typical date which are subject to change without prior notice
- The above "--" means the parameters are not required temporarily

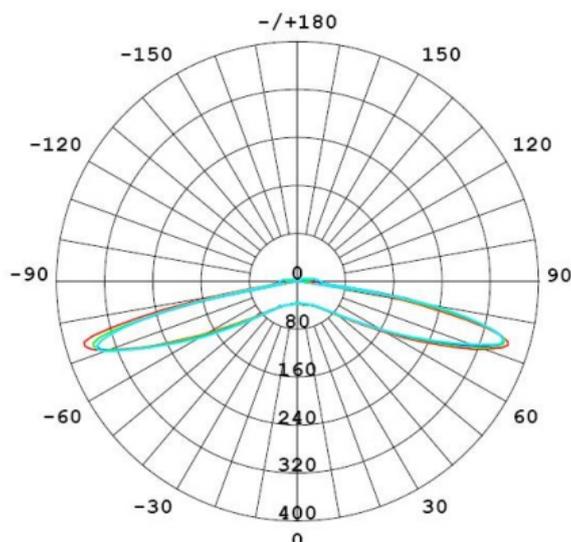
Profile drawings



A (mm) = 930

Dc24 for max 24 cascades

Light distribution

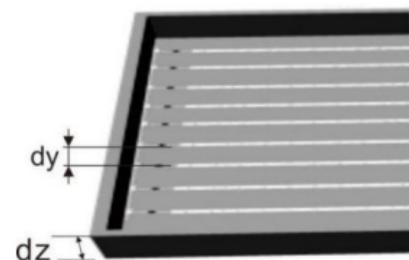


Layout data

Lightbox depth dz (mm)	Distance between every unit dy (mm)	Surface illuminance range (lux)	Installing density (pcs/m ²)
6	12	4500-6000	9

Notes:

- The above data is tested from the modules with color temperature of 7,000K
- The above light box uses acrylic white board with 3mm depth and 54.4% light transmittance
- The above illuminance is the minimum value tested on the even surface
- The above data is for reference only



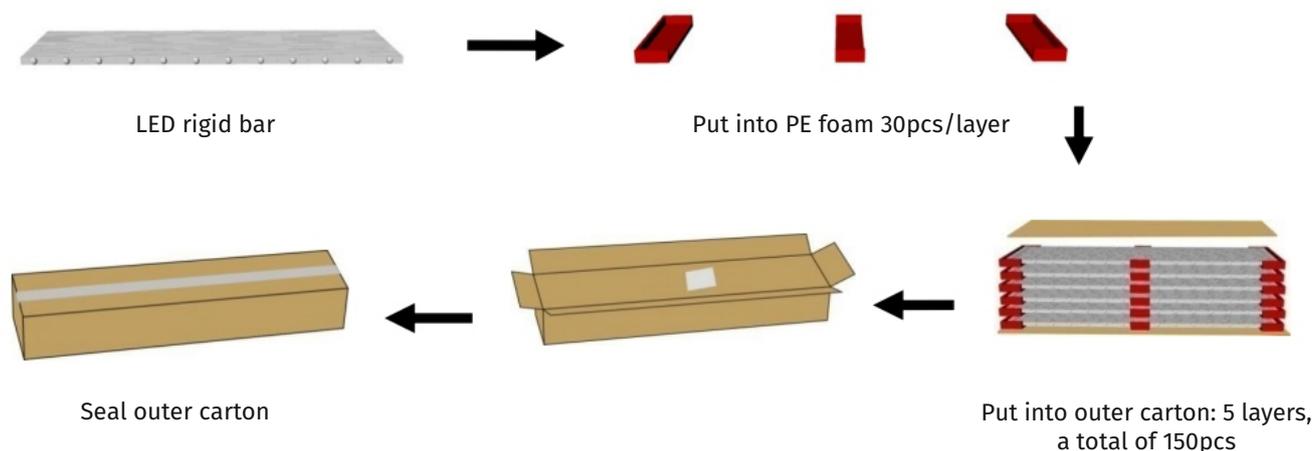
Packaging information

Qty (m/layer)	Qty (layer/carton)	Total qty (psc)	Total weight (kg)	Length (mm)	Width (mm)	Height (mm)
30	5	150	18.7	1070	264	216

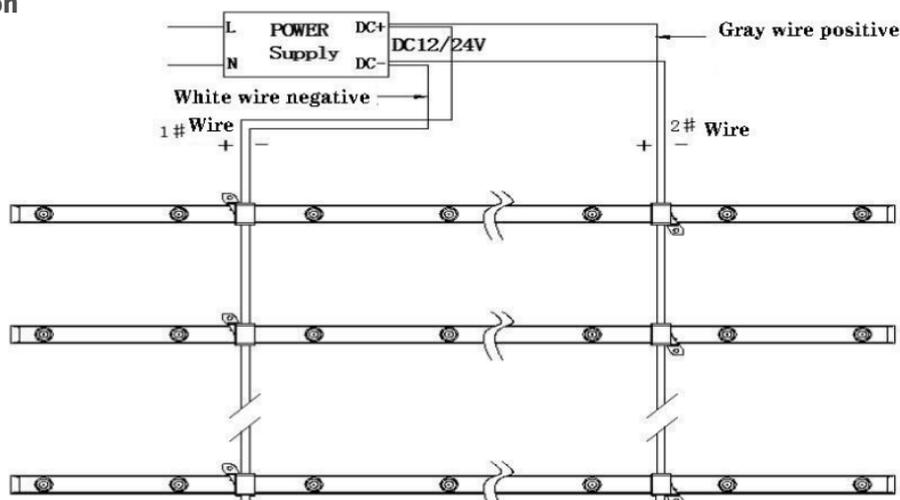
Notes:

- Above qty and weight of packing is only for the packing shown in the picture, which might be different from other packing modes, thus for actual qty and weight please refer to actual samples.

Packaging diagram



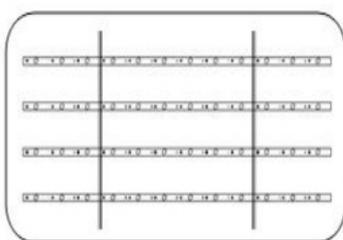
Connection instruction



Notes:

- Connection mode 1 and 2 lines must be connected to the main line at the same time

Accessories and tools



LED rigid bar

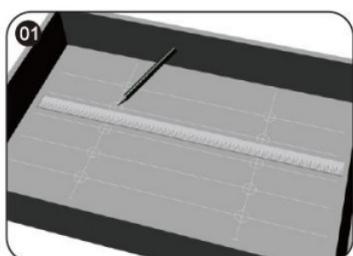


Electrical Drill and drilling bit

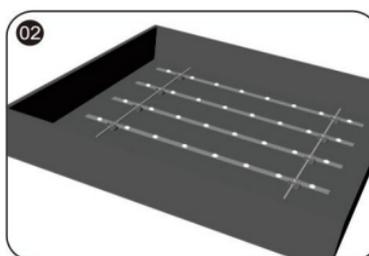


Screw (ST3.2*8)

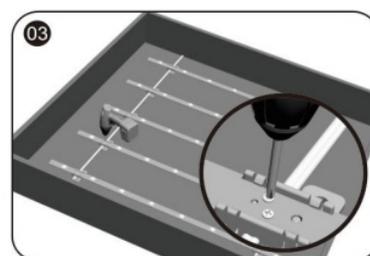
Installation steps



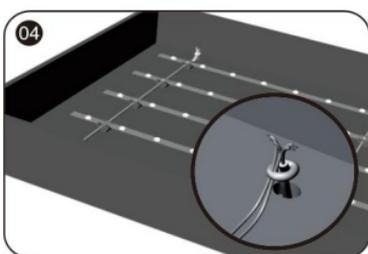
01 Clean the installing surface and determine the installing position



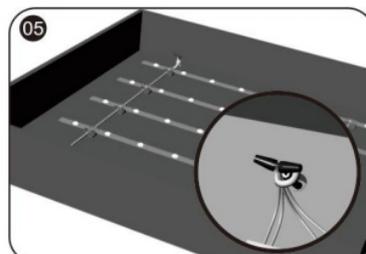
02 Unfold the shutter LED rigid in alignment



03 Fix the rigid bars by screw



04 Drill a hole at the appropriate Position with the electrical drill, pull the power lead through it, and dispose the lead at the hole with fixation and protection



05 Connect the „+” and „-” of rigid bars to those of power supply output correctly, and dispose the joints with proper protection, and then dispose the other end with insulation protection

Troubleshooting

Problem	Possible reasons	Solution
All LEDs don't work	<ul style="list-style-type: none"> The power supply did not connect to power grid No electricity due to short-circuit of external power supply The wires of LED rigid bar connect to power supply output reversely 	<ul style="list-style-type: none"> Power on Remove the malfunction caused by short-circuit, power on again Check the connecting and ensure the wires are connected correctly

Problem	Possible reasons	Solution
Part of LEDs don't work	<ul style="list-style-type: none"> Part of power supplies do not have output Part of rigid bar wires have malfunction Particular rigid bar connected reversely 	<ul style="list-style-type: none"> Check the power supply system Check the power supply system Correct connection

Problem	Possible reasons	Solution
Brightness of LEDs is weak or uneven	<ul style="list-style-type: none"> Overloaded power supply The power loss of power circuit is huge or the power loss of each circuit existing big difference Exceed in qty of rigid bars in series 	<ul style="list-style-type: none"> Ensure working voltage of rigid bars is within $\pm 5\%V$ of rated voltage 1. Shorten the length of wires between the first rigid bar and power supply or replaced with wires with bigger diameter 2. Ensure the cascading qty of string is less than or equal to the allowed maximum cascading qty, and each rigid bar cascading qty is well-balanced Lessen the cascading qty for rigid bar and ensure the qty for each electrical circuit is within the maximum cascading qty

Problem	Possible reasons	Solution
LEDs are blinking	<ul style="list-style-type: none"> Poor contacted in the joints Failures in power supply 	<ul style="list-style-type: none"> Find out and tackle malfunction immediately Replace power supply

Declaration

- If the external flexible cable of light box is damaged, please replace it by its manufacturer or its service agent or qualified person to avoid a hazard.
- The specific installation and cautions please refer to the user manual.
- The given data in this specification is based on our standard product. There may be existed slight difference compared with actual products.
- All illustrations in this specification are for reference only.
- This product is subject to change or modify without prior notice.