

**BEAMFLEX 2835 LED STRIP (CCT Tunable 13°x50°WALL WASHER J022)**

**(10mm 24VDC 112LED/meter 17W/meter CRI>90)**



**Features**

- 1, Can replace the traditional LED strip to achieve the effect of wall-washing
- 2, Structural patent technology
- 3, Silicone extrusion technology
- 4, RTR (R2R, Roll to Roll) manufacturing process
- 5, 5 years warranty
- 6, Dimmable
- 7, CCT Tunable
- 8, Optic lens:13°x50°

## Application

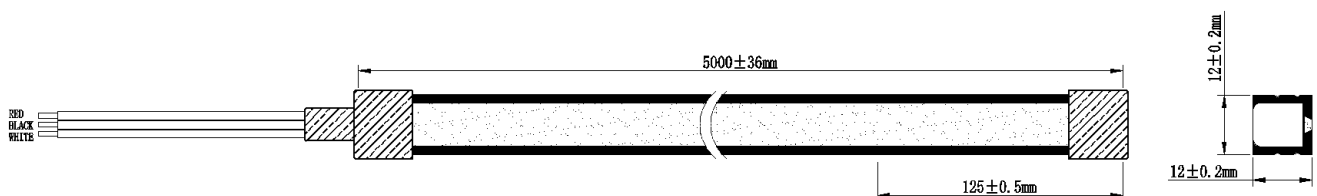
- 1, Residential lighting
- 2, Display cabinet lighting
- 3, Hotel and club lighting
- 4, Shop boutique lighting
- 5, Corridor reception lighting



## Normative requirement

- 1, Photobiological safety: IEC 62471
- 2, Ingress Protection: EN 60529
- 3, Safety Requirement: EN 62031 IEC 60598-1
- 4, EMC/radio disturbance characteristics: EN 55015
- 5, RoHS: Yes
- 6, CE: Yes

## Dimension



## Photoelectric parameters

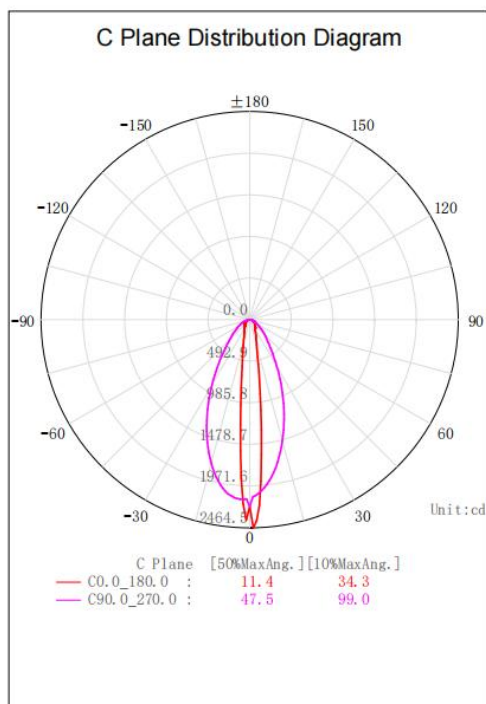
| Part No.       | V/ DC | Pow.<br>(W/m) | CCT   | CRI | LM/M | LM/W | SDCM |
|----------------|-------|---------------|-------|-----|------|------|------|
| RTR-CAA24-6963 | 24    | 17            | 3000K | 90  | 986  | 58   | ≤5   |
|                |       |               | 6500K | 90  | 1105 | 65   | ≤5   |

## Technical parameters

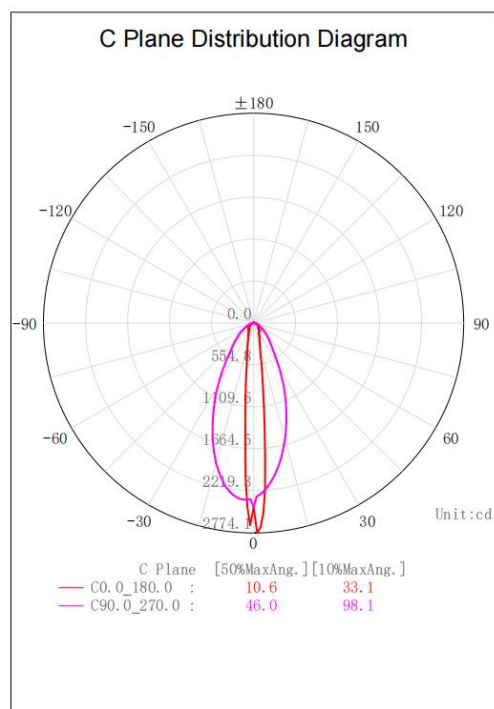
| LED/m | Minimum<br>cut length<br>(mm) | Maximum run<br>length (mm) | Ambient<br>temperature | Operating<br>temperature | Storage<br>temperature | IP<br>rating |
|-------|-------------------------------|----------------------------|------------------------|--------------------------|------------------------|--------------|
| 112   | 125                           | 5000                       | -20 ... + 40°C         | -20 ... + 80 °C          | -35 ... + 80°C         | 66           |

## Light distribution(cd)

Beam angle(2Xθ1/2): 13°x50°

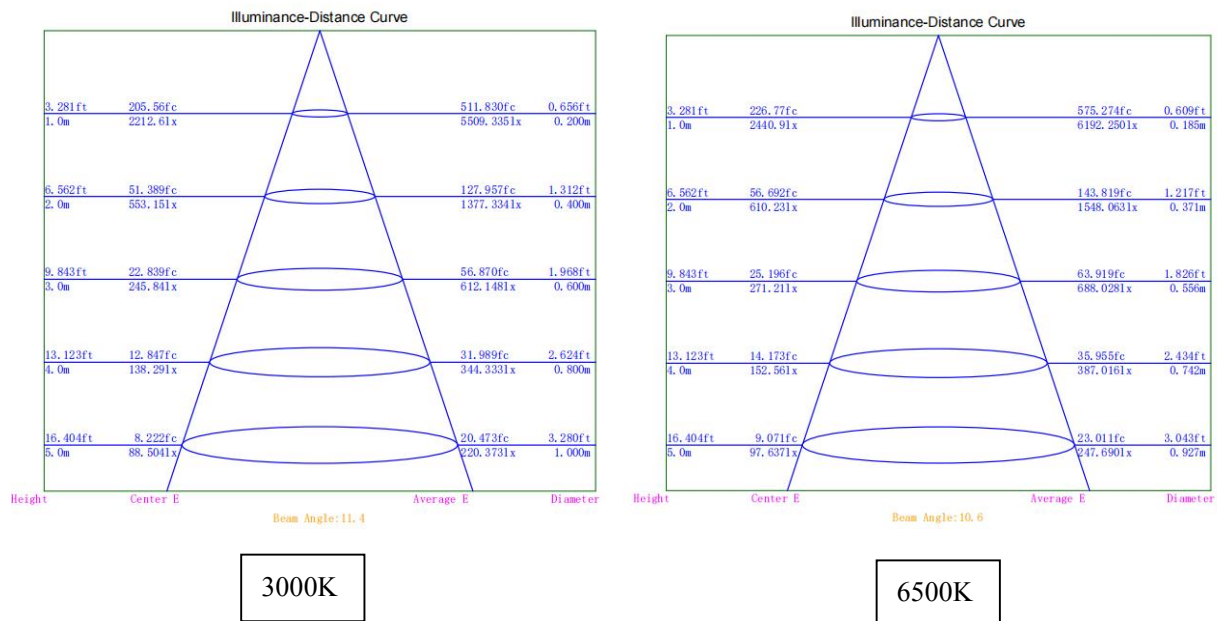


3000K



6500K

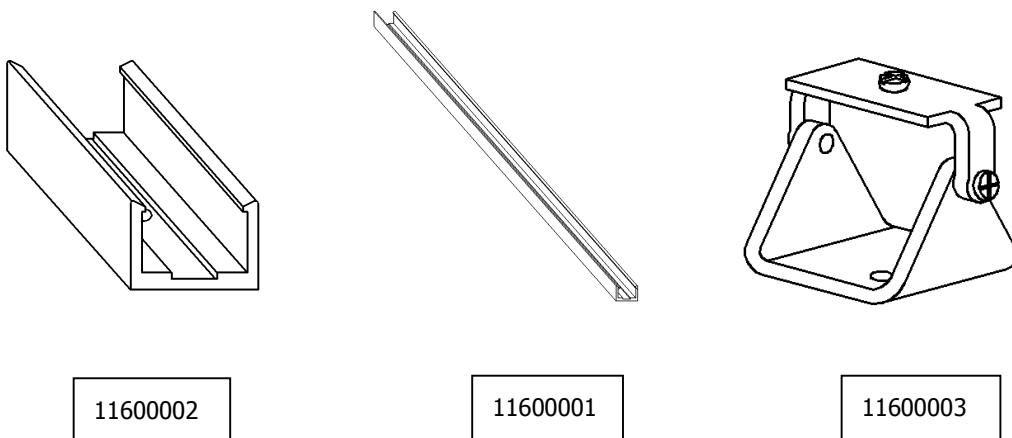
## Lux diagram



## Working length and recommended power supply relationship

| Part No.       | Working length (mm) | Voltage (VDC) | Current (A) | Power consumption (W) | Recommended power supply (W) | Power supply mode |
|----------------|---------------------|---------------|-------------|-----------------------|------------------------------|-------------------|
| RTR-CAA24-69XX | 1000                | 24            | 0.67        | 16                    | 20                           | Single end        |
| RTR-CAA24-69XX | 5000                | 24            | 2.87        | 69                    | 96                           | Single end        |

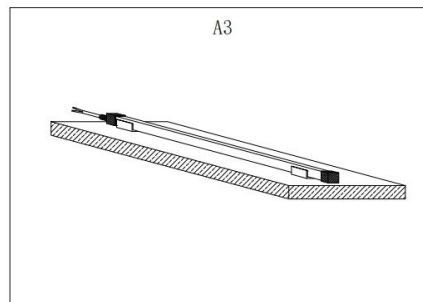
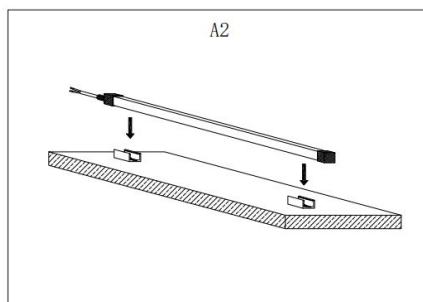
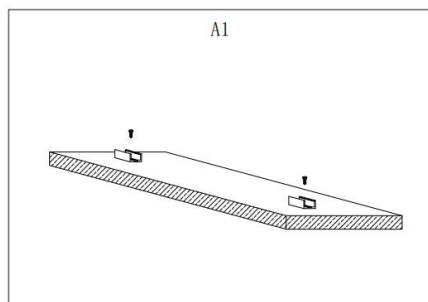
## Accessories



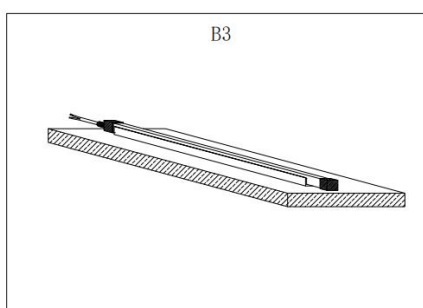
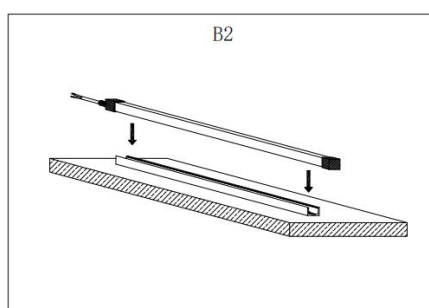
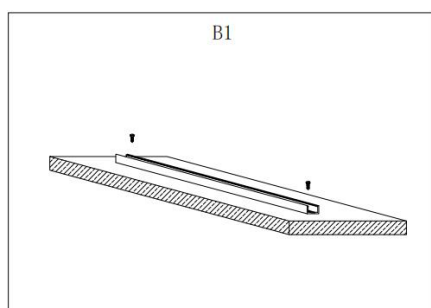
## Installation

| Installation number | Installation  | Installation Steps | Description  |
|---------------------|---|--------------------|--|
| A                   | Flexible LED strips and Clip installation                                     | A1                 | Lock the clip firmly with a self-tapered screw.  |
|                     |   | A2                 | The flexible LED strip is fixed in the clip, light-emitting area face up.  |
|                     |   | A3                 | Finished   |
| B                   | Flexible LED strips and aluminium profile installation                        | B1                 | Lock the aluminium profile firmly with a self-tapered screw.   |
|                     |   | B2                 | The flexible LED strip is fixed in the aluminium profile, light-emitting area face up.                                     |
|                     |   | B3                 | Finished   |
| C                   | Flexible LED strips 、aluminium profile and Adjustable Angle Base installation | C1                 | Lock the aluminium profile and adjustable angle base with Machine tooth screws   |
|                     |   | C2                 | The flexible LED strip is fixed in the aluminium profile, light-emitting area face up.                                     |
|                     |   | C3                 | Flexible LED strips fixed.   |
|                     |   | C4                 | Lock the adjustable angle base with self-tapered screws, Adjust the rotation angle of the adjustable angle base as needed. |

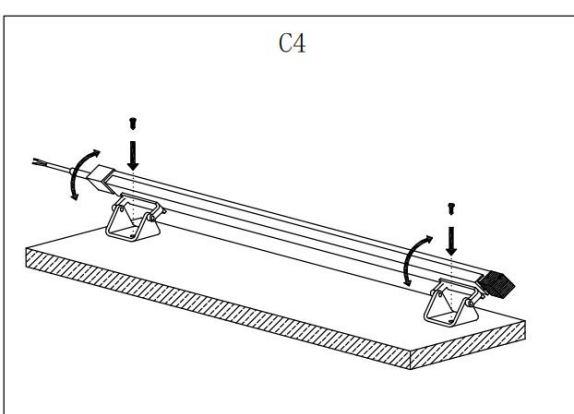
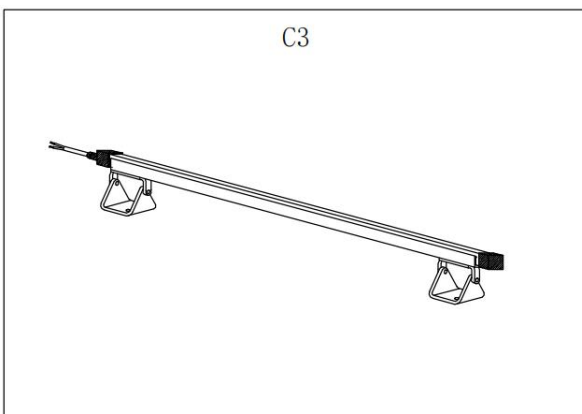
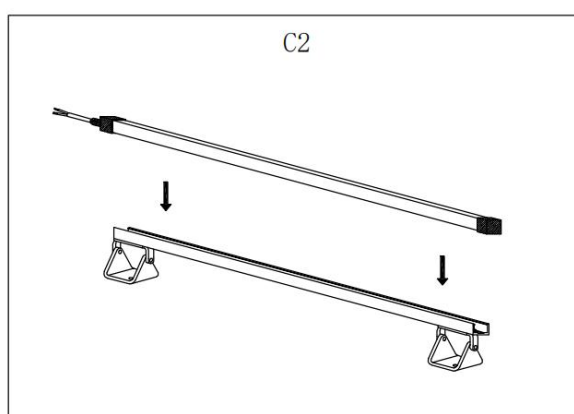
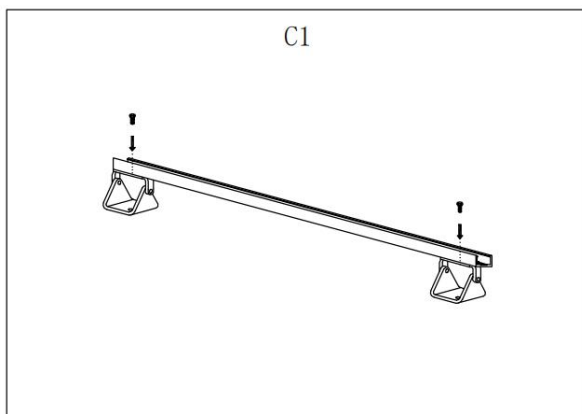
A)



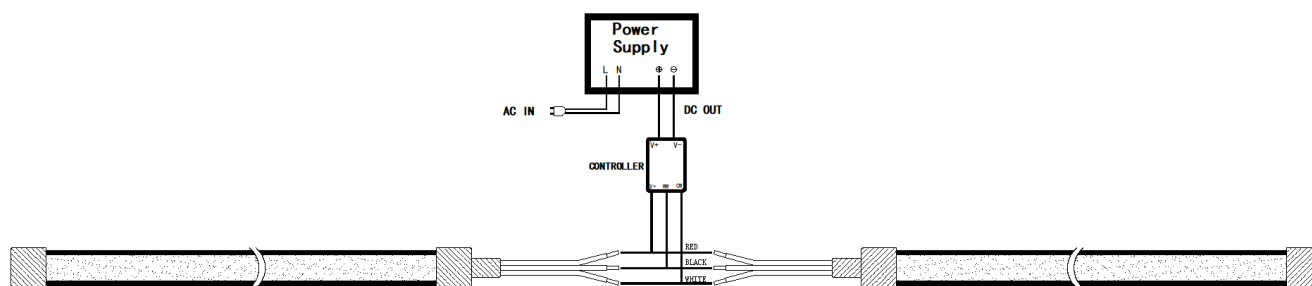
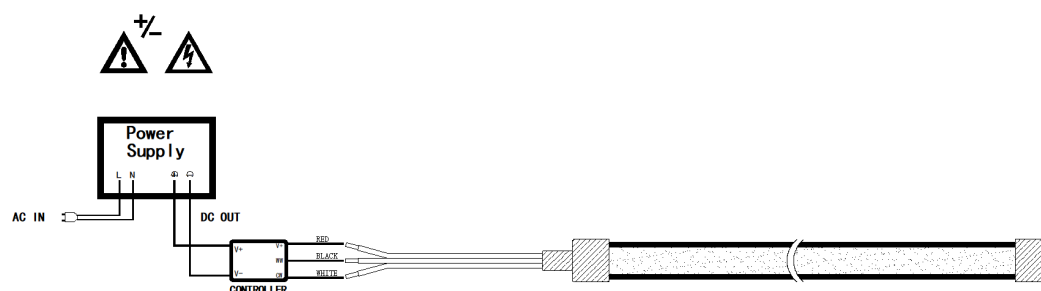
B)



C)



## Wiring diagram



## Reliability testing

| No: | Name                                | Test condition  | Standards                  |
|-----|-------------------------------------|---|----------------------------|
| 1   | High and low temperature cycle test | -40℃, 1Hrs; 60℃, 1Hrs; 4 hours per cycle; continuous testing occurred for 168 hours.  | IEC60068-2-14<br>IES LM-79 |
| 2   | High temperature lighting test      | 60℃, continuous testing occurred for 336 hours.   | IEC60068-2-2<br>IES LM-79  |
| 3   | Normal temperature aging test       | TH=25℃, continuous lighting   | RTR                        |
| 4   | Ultraviolet(UV) aging test          | Irradiance: 0.89W/m <sup>2</sup> , 60±3℃, 8Hrs; dark, high humidity (water spray) for 4 hours, 50±3℃ cycle test; continuous testing occurred for 500 hours. | ASTM-G154<br>IES LM-79     |
| 5   | Bending test                        | Wrap the product around a 10cm diameter round tube, -40℃,20Hrs; 60℃,20Hrs   | RTR                        |
| 6   | Twisting test                       | Install the 0.5-meter-long product on the twist machine with a twisting angle of 720°and 2,000 times.   | RTR                        |



## Package



| Single bag size(mm) | Carton box size(mm) | Meter / bag | Bags / carton | GW. ±5% (Kg) |
|---------------------|---------------------|-------------|---------------|--------------|
| 400x380x14          | 440x400x420         | 5           | 25            | 23.04        |

## Cautions

- 1, The LED module itself and all its components may not be mechanical stressed. Do not modify or disassemble product beyond instructions.
- 2, This product is intended to be installed by qualified, licensed electricians in accordance with electrical code regulations.
- 3, Only install with a suitable DC Constant Voltage power supply with right parameters of current and power.
- 4, The minimum bending radius is 50 mm.

## Modified history

| Version | Checked | Mark          | Date      |
|---------|---------|---------------|-----------|
| V00     | Jack    | First release | 2023.1.11 |
|         |         |               |           |