



Cloud series strip

P/N: R090GW08B

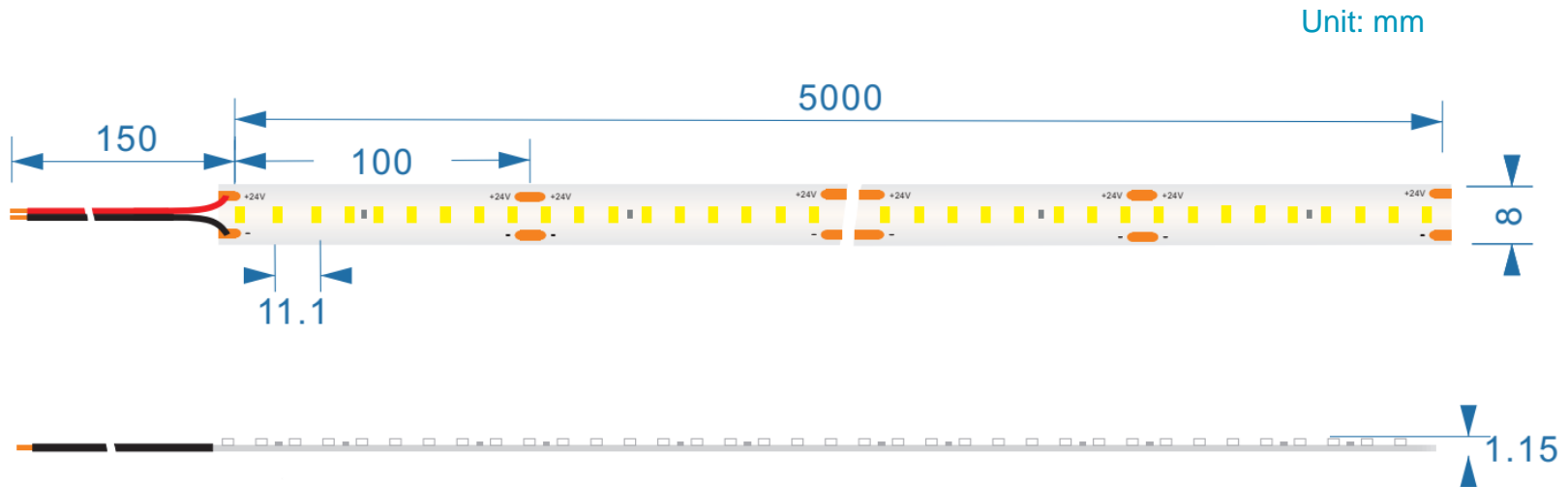
Areas of application

- Suitable for hotels, shopping malls, home furnishings, cabinets, display racks, main lighting, indirect lighting, dark slot lighting, contour outline, decorative lighting, etc.

Product main benefits

- High efficiency: 210lm/W
- SMD2835 LED
- Excellent thermal and voltage drop design (2 OZ copper FPC design)
- 24V DC
- Dimmable













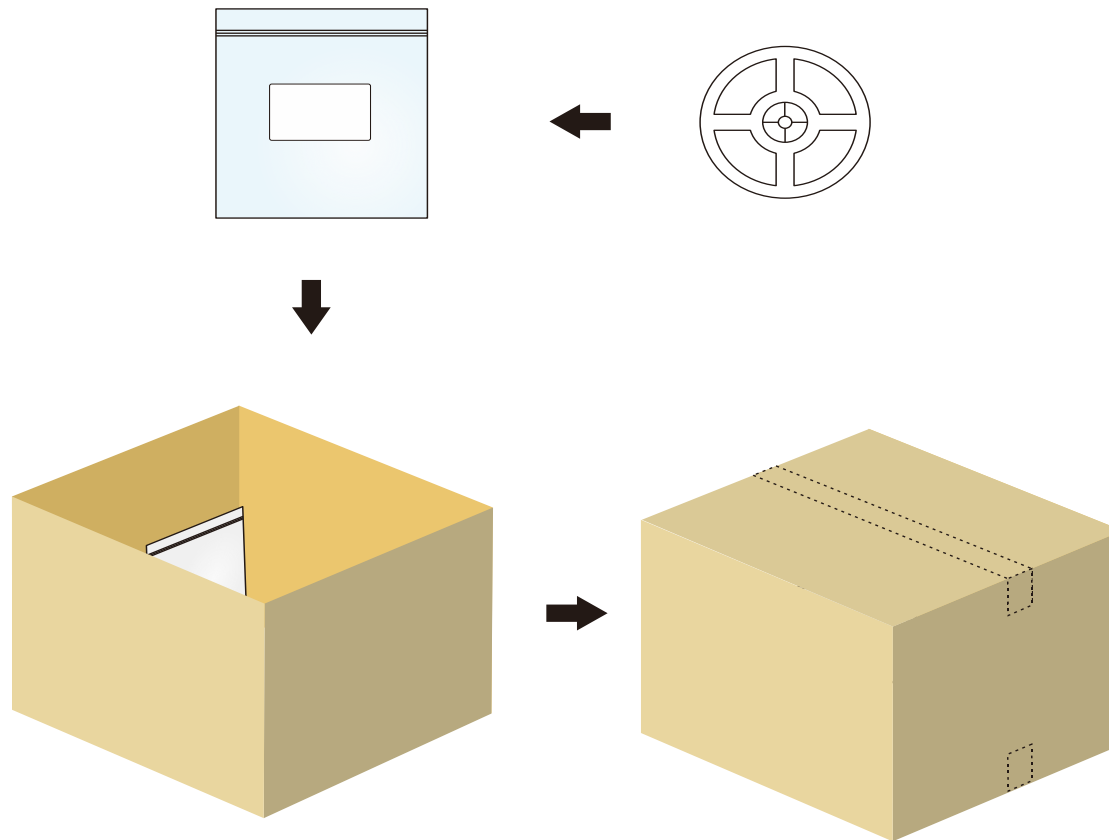
| | |
|---------------------|---------------------|
| Product size | 5000*8*1.15 mm |
| Cut-able unit | 100mm |
| LED pitch | 11.1 mm |
| LED quantity | 90 LEDs/m |
| Max. cascade length | 5 m |
| Min. bend diameter | 20 mm |
| Mounting solution | 3M tape |
| Operating ambient | -25°C~45°C |
| Storage environment | -25°C~60°C / 60% RH |

| Product numbers | Input voltage | Rated current | Typical power | Color rendering index | Color temperature | Lumen | Luminous efficiency |
|-----------------|---------------|---------------|---------------|-----------------------|-------------------|---------|---------------------|
| R090GW08B | 24V DC | 300 mA/m | 7.2 W/m | >80 | 2700K | 1490 lm | 207 lm/W |
| | | | | | 3000k | 1510 lm | 210 lm/W |
| | | | | | 4000K | 1550 lm | 215 lm/W |
| | | | | | 5000K | 1550 lm | 215 lm/W |
| | | | | | 6500K | 1500 lm | 208 lm/W |

1. Ranking at $t_a = 25^\circ\text{C}$.
2. Tolerance of measurements for brightness is $\pm 10\%$, tolerance of measurements for the Chromaticity Coordinate is ± 0.01 .

| Category | Part No. | Model No. | Picture | Description | Application |
|-----------|--------------|---|---------|--|---------------|
| Connector | 413-00189-00 | 2PIN connector of FPC and FPC | | Connector of FPC and FPC /suitable for white color LED strip /8mm width/IP20 | LEDs≤120LED/m |
| | 413-00209-00 | 2PIN connector of Wire and FPC | | Connector of Wire and FPC /suitable for white color LED strip /8mm width/30D-120D/IP20 | LEDs≤120LED/m |
| | 413-00210-00 | 2PIN connector of FPC and FPC | | Connector of FPC and FPC /suitable for white color LED strip /8mm width/30D-120D/IP20 | LEDs≤120LED/m |
| | 413-00237-00 | single PIN fast connector without peeling-spool | | Fast connector without peeling-spool / single PIN-180/18-22AWG | |
| | 413-00238-00 | 2PIN fast connector without peeling-spool | | Fast connector without peeling-spool /2PIN-180/18-22AWG | |
| | 413-00239-00 | single PIN-T shape fast connector without peeling-spool | | Fast connector without peeling-spool / single PIN-T shape /18-22AWG | |
| | 413-00241-00 | 2PIN-T shape fast connector without peeling-spool | | Fast connector without peeling-spool /2PIN-T shape /18-22AWG | |
| | 413-00242-00 | Cable spool without peeling | | Cable spool without peeling /2Pin/18-22AWG | |
| | 413-00243-00 | Splitter | | Splitter / one divided into two / Matching with 413-00242-00 | |

| Category | Part No. | Model No. | Picture | Description | Application |
|------------------|--------------|-----------------------------------|--|--|-------------------------|
| Cable | 403-00037-00 | 2Pin cable |  | 2Pin red and black cable /L=150mm/20AWG*2C VW-1/ Maximum carrying current : 6A/ Withstand voltage 300V | IP20 led strip products |
| | 413-00102-00 | 5.5*2.1mm DC Connector (male) |  | Connector /DC male cable / white / L=200mm/20AWG/UL2468/5.5X2.1mm | IP20 led strip products |
| | 413-00103-00 | 5.5*2.1mm DC Connector (female) |  | Connector /DC female cable / white /L=200mm/20AWG/UL2468/5.5X2.1mm | IP20 led strip products |
| Connecting plate | 302-00464-00 | Connecting plate |  | LED strip Connecting plate/single color/8mm board width/"L" type/bare board Connecting plate | |
| | 302-00465-00 | Connecting plate |  | LED strip Connecting plate/single color/8mm board width/"T" type/bare board Connecting plate | |
| | 302-00466-00 | Connecting plate |  | LED strip Connecting plate/single color/8mm board width/"X" type/bare board Connecting plate | |
| Controller | 92100-00120 | 2.4G dimming controller |  | Input voltage:5-36VDC Output power : 5V<40W / 12V<96W/ 24V<192W/ 36V<288W Remote control distance : 30m | |
| | 92100-00200 | Dimmable power amplifier |  | Input voltage : 5-36VDC Output power : 5V<40W / 12V<96W/ 24V<192W/ 36V<288W | |



| Model NO. | Product Size | Inner Carton Size | Outer Carton Size | Packing Quantity | Gross Weight |
|-----------|---------------|-------------------|-------------------|------------------|--------------|
| R090GW08B | 5000*8*1.15mm | / | 52*37*26CM | 40bags | 5Kg |

Supplementary Product Information

- Installation of LED modules (with power supplies) needs to be made under consideration of all valid regulations and norms.
- Installation by qualified electrician only.
- Please drive the led strip with isolated power, and the ripple of the constant voltage source should be less than 5%.
- Please do not bend the strip into an arc with a diameter less than 20mm to ensure the longevity and reliability.
- Do not fold it in case any damage of LED beads.
- Do not pull the power wire hard to ensure the longevity. Any crash may damage the colloidal surface is prohibited.
- Please make sure the wire is connected to the anode and cathode correctly. The power output should be consistent with the voltage of the strip to avoid damage.
- LED lights should be stored in dry, sealed environment. Please only unpack it before usage. Ambient temperature: $-20\text{ }^{\circ}\text{C} \sim +40\text{ }^{\circ}\text{C}$. Storage temperature: $-25\text{ }^{\circ}\text{C} \sim +60\text{ }^{\circ}\text{C}/60\%\text{RH}$.
- Please use the strips without waterproof within indoor environment with humidity less than 70%.
- Please be careful during operation. Do not touch the AC power supply in case of electric shock.
- Please leave at least 20% power for the power supply during using to ensure there is enough power supply to drive the product.
- Do not use any acid or alkaline adhesives to fix the product (e.g.: glass cement).