

GALA COB RGB 15W

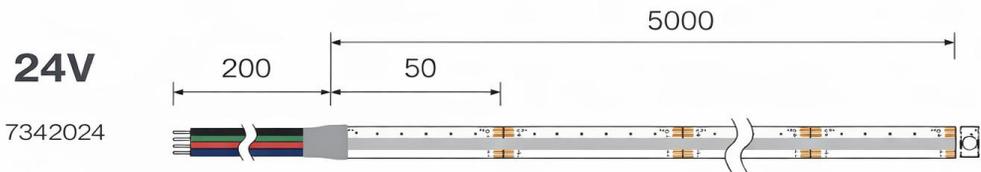
COB RGB LED Strip



GALA COB RGB 15W is a high-density COB RGB LED strip engineered to deliver smooth, continuous, dot-free color illumination for architectural and decorative lighting applications. Utilizing advanced Chip-on-Board technology with **420 LEDs per meter**, it produces uniform, vivid RGB output across a wide **180° beam angle**, ensuring seamless color mixing and consistent light lines. Operating on **24V DC** and fully dimmable via compatible RGB controllers, GALA COB RGB 15W is ideal for coves, profiles, façades, shelving, and creative accent lighting where precise color control and uninterrupted luminous effects are required.

Designed for professional installations, it offers high reliability, long service life, and multiple protection options to suit indoor and damp environments.

Dimension structure (Unit: mm)



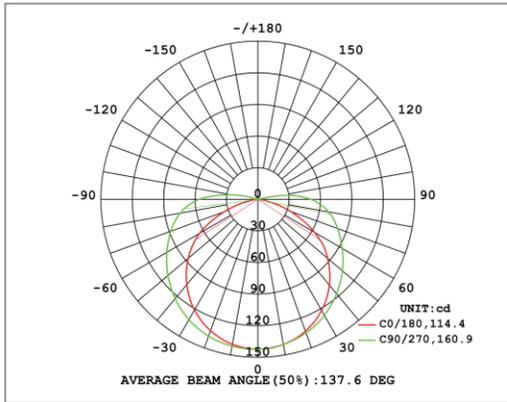
| | | | |
|----------------|---------|----------------------|-------------|
| Technical Data | | Working hour | 50000h |
| Input voltage | 24V | Working temperature | -25°C~+45°C |
| Beam angle | 180° | Cutttable length(MM) | 50 |
| Warranty | 5years | PCB Width(MM) | 10 |
| LEDs / M | 420LEDs | | |

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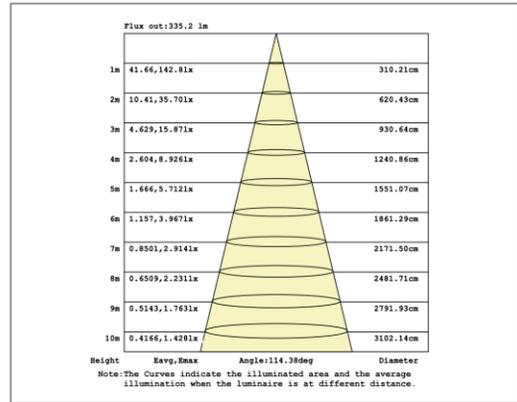
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Light Distribution Curve



Illuminance Curve



Note: The above data is based on 24V, 15W/M, RGB with full brightness. If you need IES files for other types, please contact our sales department.

| CCT (K) | Wavelength (NM) | Voltage | Power (W/M) | Lumen (LM/M) | Efficiency (LM/W) | Unit Cut (MM) | Max. Run Length (M) | CV/CC |
|---------|-----------------|---------|-------------|--------------|-------------------|---------------|---------------------|-------|
| R | 620–630 | DC24V | 7.5 | 180 | 24 | 50 | 5 | CV |
| G | 520–530 | DC24V | 3.5 | 374 | 110 | 50 | 5 | CV |
| B | 450–460 | DC24V | 4 | 56 | 14 | 50 | 5 | CV |
| RGB | / | DC24V | 15 | 615 | 41 | 50 | 5 | CV |

- The stated color temperature refers to the finished product.
- All values shown are typical; light output and power may vary by up to ±10% due to manufacturing tolerances.
- All products are dimmable. Dimmer voltage must match the rated LED voltage. For constant-current LEDs, the dimmer output frequency must be below 2 kHz; PWM dimming is supported.

Cable

| Cable Type | Schematic Diagram | Specification | Core | Electrical Properties |
|------------|-------------------|------------------|----------------------------------|-----------------------|
| PVC Cable | | Inner core: 24AV | Black V+, Green G, Red R, Blue B | |
| PVC Cable | | | | |

WATERPOOF GRADE OPTIONS

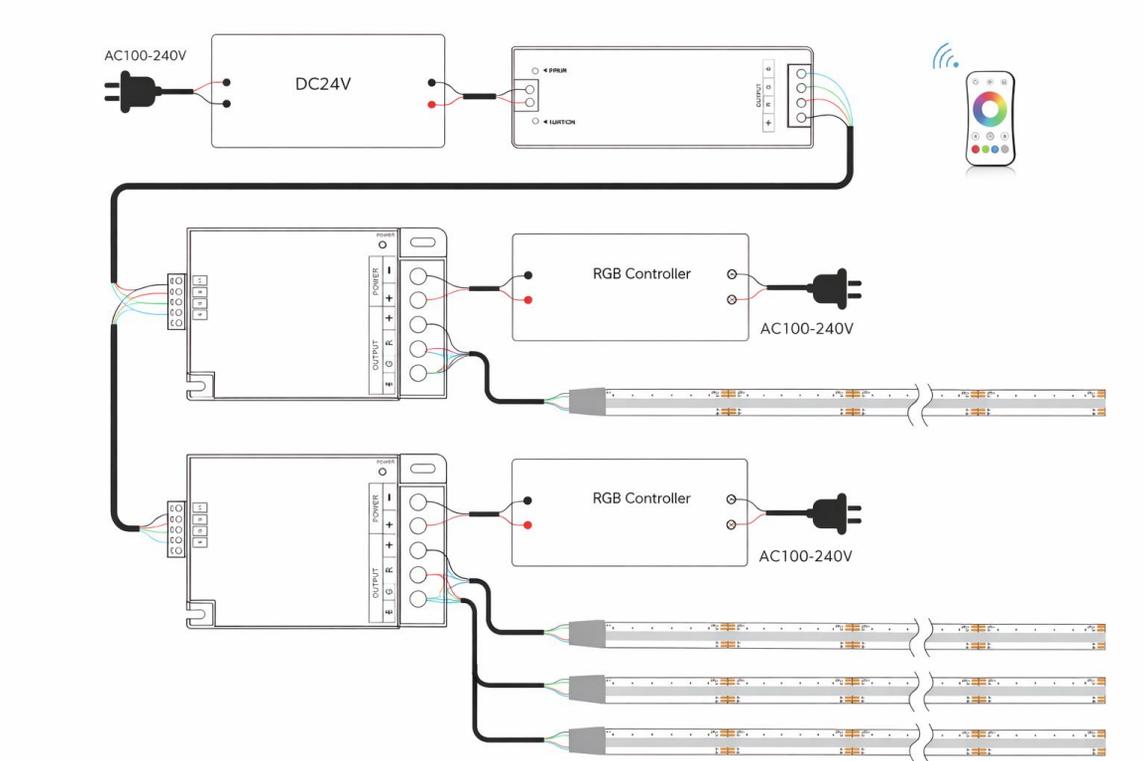
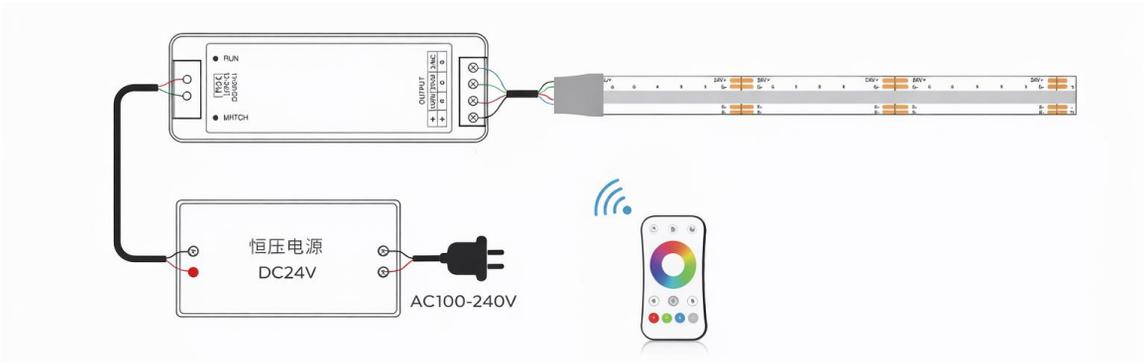
| Silicone surface coating | Hollow square co-extrusion | Shrinkable tube | Nano Coating | Solid dome co-extrusion |
|--|---|---|---|--|
| <p>IP54 Suitable for damp environment</p> | <p>IP65 Suitable for humid environment</p> | <p>IP65 Suitable for humid environment</p> | <p>IP65 Suitable for humid environment</p> | <p>IP68 Suitable for outdoor or poolside environments</p> |

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RGB CONNECTION DIAGRAM



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INSTALLATION INSTRUCTIONS FOR CONNECTOR

(Note: The overcurrent load limit of the connector is 3A)

Strip to Strip



Insert the strip into the connector.



And make sure the pad of the strip is in full contact with the pin on the connector.



Press down the metal pin on the connector so that the connector pin penetrates and secures the pad of the strip.



Finished product diagram.

Strip to Cable



Insert the strip into the connector.



And make sure the pad of the strip is in full contact with the pin on the connector.

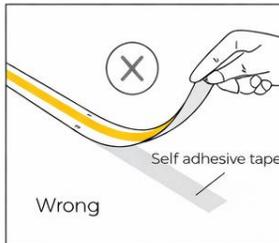


Press down the metal pin on the connector so that the connector pin penetrates and secures the pad of the strip.

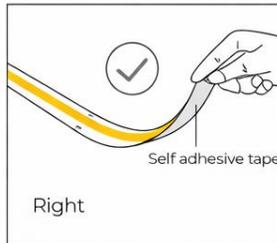


Finished product diagram.

⚠ Cautions



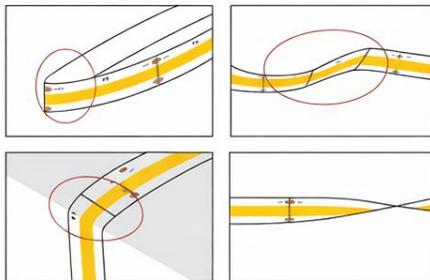
Wrong



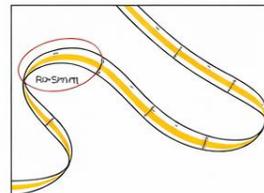
Right

If the led strip needs to be torn up, please make sure that the self adhesive tape is torn with the led strip, otherwise the led strip will be damaged

When install the led strip, please note the installation technique: The led strip can be bent, but not distorted, as shown below.



Distortion (Wrong)



Bend (Right)

⚠ LED strips are low voltage products, you must use the power supply (transformer). Please don't connect the led strip directly to the AC 110v or AC 220v, otherwise it will burn out

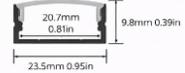
⚠ Clean up the installation surface, it will ensure the reliability of the adhesive. The electrical connection process must be operated by a professional person.

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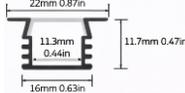
ALUMINUM PROFILE



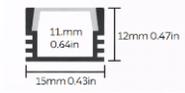
Model No. 7090701
Mounting: Recessed
Size: W23.55mm * H9.8mm
Color: Silver, Black, White



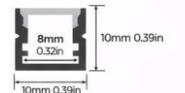
Model No. 7090702
Mounting: Recessed
Size: W15.9mm * H6mm
Color: Silver, Black, White



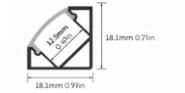
Model No. 7090703
Mounting: Recessed
Size: W16mm * H11.7mm
Color: Silver, Black, White



Model No. 7090704
Mounting: Surface
Size: W15mm * H12mm
Color: Silver, Black, White



Model No. 7090705
Mounting: Surface
Size: W10mm * H10mm
Color: Silver, Black, White



Model No. 7090706
Mounting: Corner
Size: W10mm * H10mm
Color: Silver, Black, White



Model No. 7090707
Mounting: Surface
Size: W17.3mm * H7mm
Color: Silver, Black, White