COB LED STRIP SPECIFICATION

Addressable DC24V 630LEDS 3PIN 10MM RGB COB LED STRIP

Product Model: cob- addressable-24v-630leds-3pin-10mm-rgb

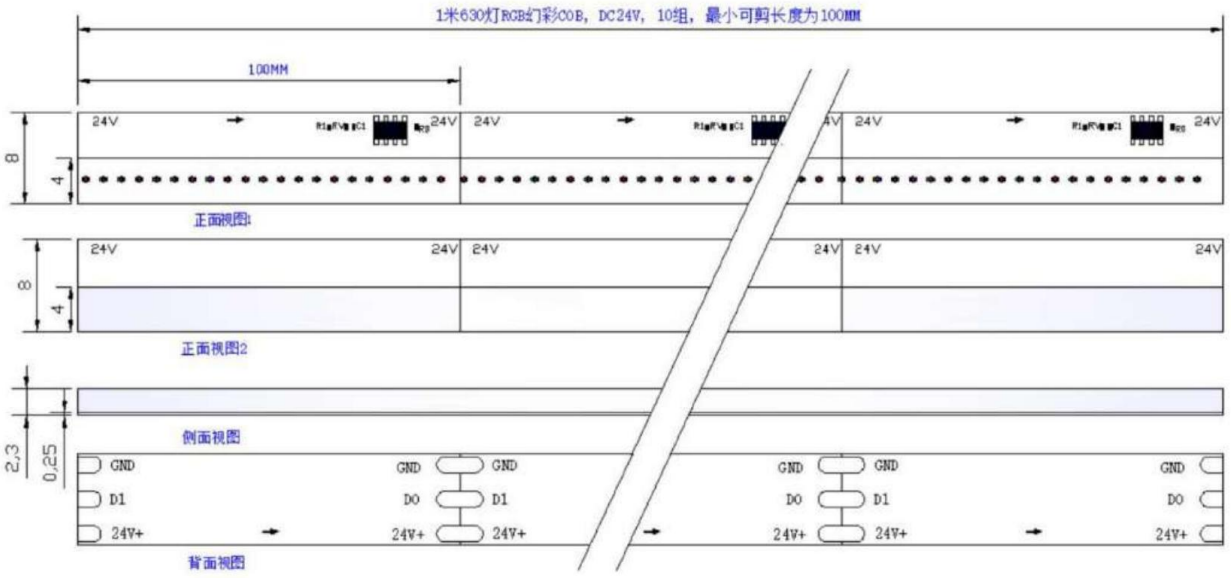
PART 1 Product Specification

Electrical & Optical Parameters

Parameter	Value
Voltage	*DC 24V*
Power	*11 W*
PCB Width	*10 mm*
IP Rated	*IP20*
LED Quantity	*630 LEDs/m*
Color	*RGB + IC*
CRI (Ra)	*/*
Luminous Efficacy	*/*
Beam Angle	*180°*
Cutting Unit	*100 mm*
Operating Temperature	*-40 °C – +85 °C*
Storage Temperature	*-40 °C – +85 °C*

PART 2 Product Dimensions

The minimum cutting unit of the flexible LED strip is 100 mm. Custom cutting intervals are available upon request to suit specific installation requirements.



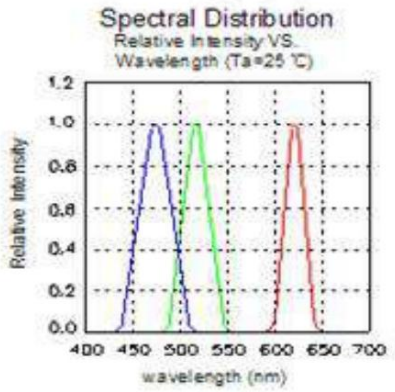
PART 3 Product Features

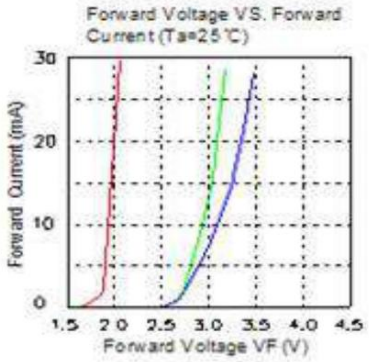
- *Uniform glow with no spots or dark shadows, delivering soft gentle light*
- *Maximum beam angle reaches 180° for wide-area illumination*
- *HBM Class 2 ESD resistance (2000–4000V), tested per MIL-STD-883E*
- *Flexible for easy installation; free of hazardous substances and RoHS compliant*
- *Low heat generation for stable long-term operation*
- *High color consistency.*
- *Strong bending tolerance for curved & irregular mounting scenes*

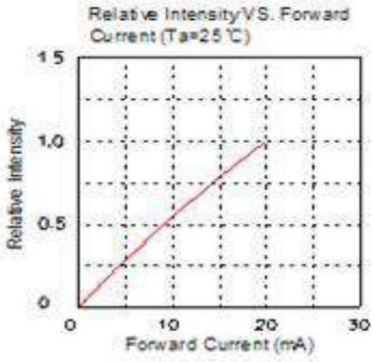
PART 4 Production Application

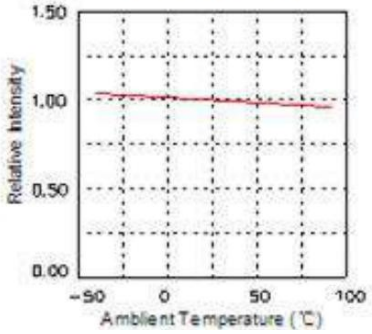
This COB LED strip works perfectly for illuminated signs, advertising billboards, indoor & outdoor decoration, hotels, bedrooms, guest rooms, corridors, shopping malls, museums and display cabinets. It also fits home accent lighting, bar/wine cabinet backlighting, ceiling indirect lighting, stage ambient lighting, retail shelf display lighting and aquarium landscape lighting.

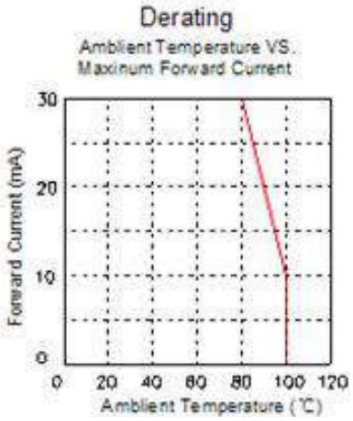
PART 5 Typical Optical Characteristics Curves

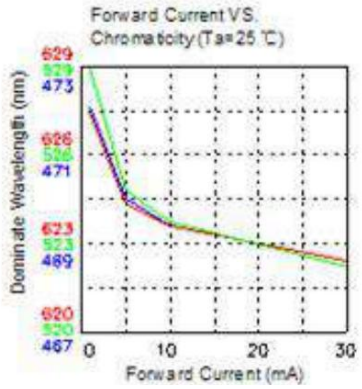


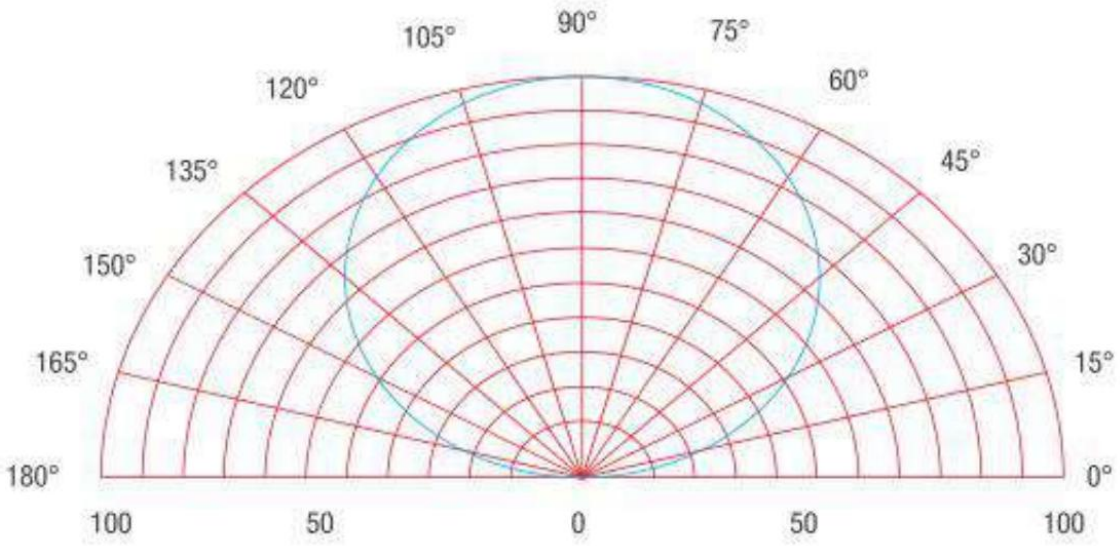












PART 8 Installation & Usage Notes

- *Protect the light-emitting area from sharp and hard objects to avoid surface damage.*
- *Complete soldering within 24 hours after unpacking to prevent pad oxidation. Seal unused strips in vacuum packaging promptly after opening.*
- *Keep the light-emitting area away from high-temperature objects; instantaneous contact temperature shall not exceed 210℃.*
- *Set soldering iron temperature below 300℃, and limit soldering duration per pad to under 3 seconds.*
- *Do not twist the strip sharply. The max twist angle for a 0.5m strip is 720°.*
- *Maintain a bending diameter larger than 1cm at all bending positions.*
- *Use only the specified DC voltage to prevent chip burnout from overvoltage.*（
- *Do not cover the light-emitting surface with heat-insulating materials during operation for normal heat dissipation.*