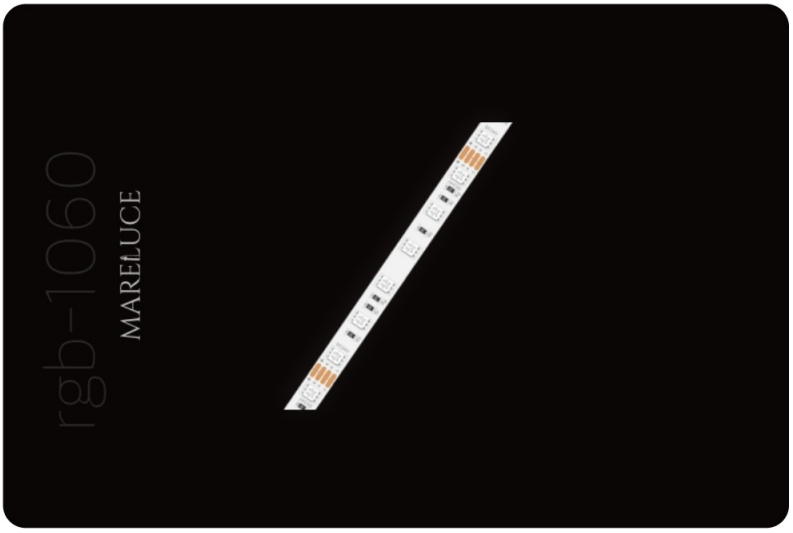
LED STRIP · RGB · 5050 SMD

RGB-1060

10 mm RGB LED strip, 60 LEDs/m, 14.4 W/m · 12 / 24 V DC



PCB WIDTH	10 mm
POWER	14.4 W/m
VOLTAGE	12 / 24 V DC
CUT UNIT (24 V)	100 mm
LED DENSITY	60 LEDs/m
MIN. BEND RADIUS	50 mm

Overview

RGB-1060 is a 10 mm RGB LED strip with 60 5050 tri-chip LEDs per metre, the classic choice for colour-changing accent lighting in coves, ceilings, bars, under-bench details and exterior features on board. Works with any 3-channel RGB controller, 12 or 24 V DC.

Specifications

Dimension	5000 × 10 × 2 mm (5 m reel)
LED	5050 SMD RGB, 60 LEDs/m, 16.7 mm pitch
Cut unit	6 LEDs / 100 mm (24 V) · 3 LEDs / 50 mm (12 V)
Power	14.4 W/m (all channels on)
Current	0.6 A/m (24 V) · 1.2 A/m (12 V)
Colours	Red 620–625 nm · Green 520–525 nm · Blue 465–470 nm
Beam angle	120°
Dimming	PWM
PCB	2 oz copper, high-thermal 3M adhesive
Min. bend radius	50 mm
Ambient temperature	−20 °C to +50 °C
Lead wire	150 mm, 4-core, 20 AWG
Protection	IP20 standard; IP52, IP65H, IP65, IP67, IP67E, IP68 on request

Cut Unit



ORDERING INFORMATION

Product Code

RGB-1060
MODEL

RGB
COLOUR
3 channels

24 V
VOLTAGE
12·24 V DC

Specify supply voltage when ordering. Example: **RGB-1060**, 24 V DC. Requires a 3-channel RGB controller.

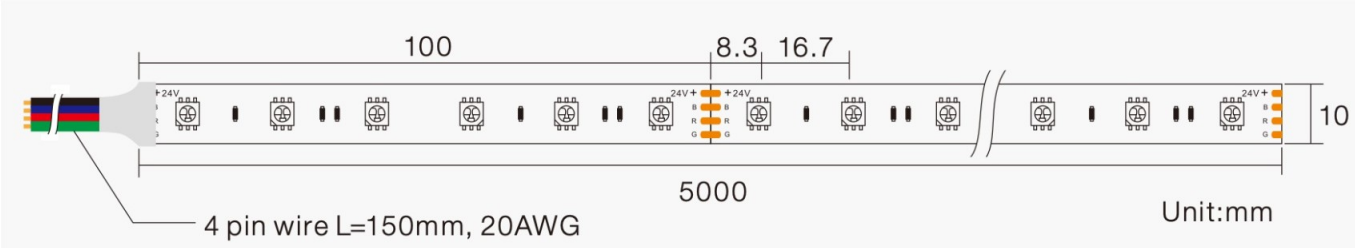
Photometric Data

CHANNEL	WAVELENGTH / CCT	POWER	LM/M	LM/W
Red	620–625 nm	4.8 W/m	132	27.5
Green	520–525 nm	4.8 W/m	434	90.4
Blue	465–470 nm	4.8 W/m	79	16.5
RGB (all on)	—	14.4 W/m	635	44.1

Measured on IP20 strip at 24 V DC, one channel at full output; RGB = all channels on.

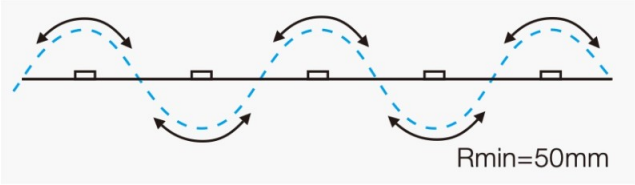
DIMENSIONS & INSTALLATION

Dimensions (unit: mm)



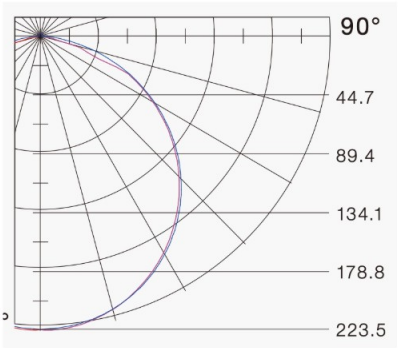
5 m reel, 10 mm PCB; cut marks every 100 mm (24 V) or 50 mm (12 V); 150 mm 4-core lead wire, 20 AWG.

Bending



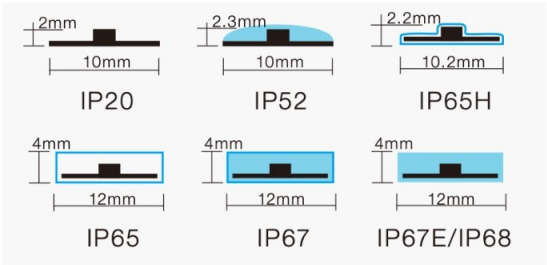
Flexible strip; minimum bend radius 50 mm. Do not bend at the cut marks.

Polar Curve



Reference: IP20, RGB.

Waterproof Versions



VERSION	CONSTRUCTION	SIZE (W × H)
IP20	Bare PCB	10 × 2 mm
IP52	Silicone coating	10 × 2.3 mm
IP65H	Heat-shrink tube	10.2 × 2.2 mm
IP65	Silicone tube	12 × 4 mm
IP67	Silicone tube, filled	12 × 4 mm
IP67E / IP68	Solid silicone extrusion	12 × 4 mm

Light output and power may vary by up to ±10% due to production and component tolerances.