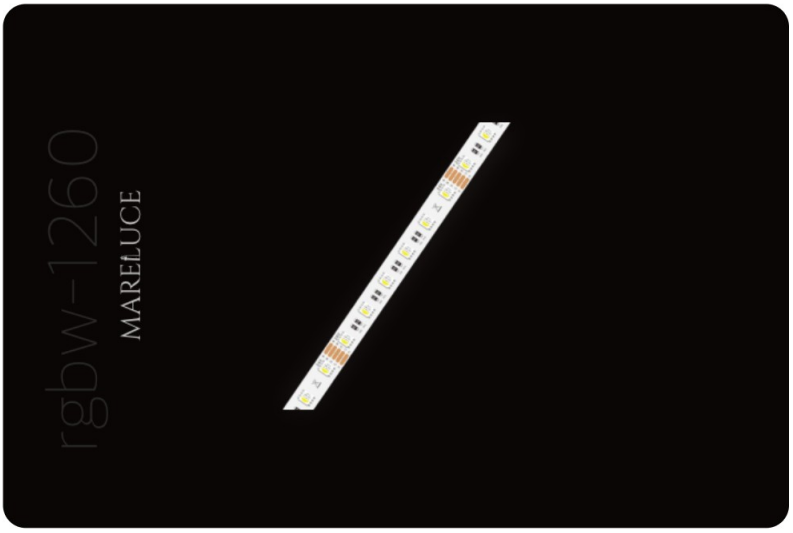
LED STRIP · RGBW · 5050 SMD 4-IN-1

RGBW-1260

12 mm RGBW LED strip, RGB + white in one LED, 60 LEDs/m, 19.2 W/m · 12 / 24 V DC



PCB WIDTH 12 mm	POWER 19.2 W/m
VOLTAGE 12 / 24 V DC	CUT UNIT (24 V) 100 mm
WHITE CCT 2700–6000K	MIN. BEND RADIUS 50 mm

Overview

RGBW-1260 is a 12 mm RGBW LED strip whose 5050 LEDs combine red, green, blue and a white chip in one package, 60 per metre. Colours and white mix in the same point source for even, dot-free colour on board, while the dedicated white channel gives clean functional light. White channel available in 2700K, 3000K, 4000K or 6000K. Works with any 4-channel RGBW controller, 12 or 24 V DC.

Specifications

Dimension	5000 × 12 × 2 mm (5 m reel)
LED	5050 SMD RGBW 4-in-1, 60 LEDs/m, 16.7 mm pitch
Cut unit	6 LEDs / 100 mm (24 V) · 3 LEDs / 50 mm (12 V)
Power	19.2 W/m (all channels on)
Current	0.8 A/m (24 V) · 1.6 A/m (12 V)
White channel	2700K, 3000K, 4000K or 6000K · CRI 80
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, 5-core, 20 AWG
Protection	IP20 standard; IP52, IP65H, IP65, IP67, IP67E, IP68 on request

Cut Unit



ORDERING INFORMATION

Product Code

RGBW-1260	3000K	24 V
MODEL	WHITE CHANNEL	VOLTAGE
	2700K · 3000K · 4000K · 6000K	12 · 24 V DC

Specify white colour temperature and supply voltage when ordering. Example: **RGBW-1260**, 3000K, 24 V DC. Requires a 4-channel RGBW controller.

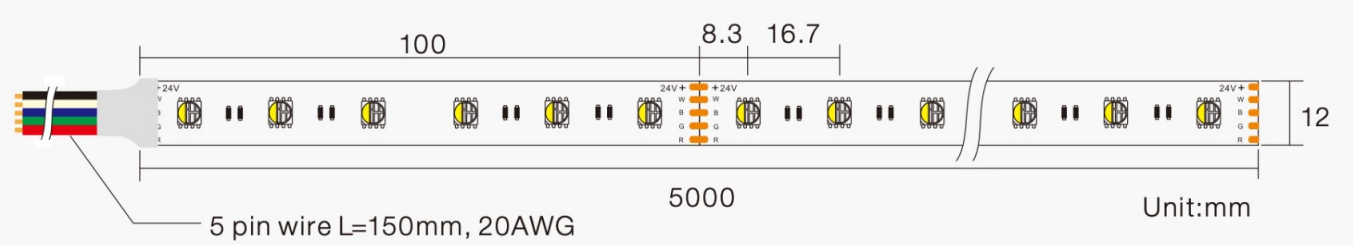
Photometric Data

CHANNEL	WAVELENGTH / CCT	POWER	LM/M	LM/W
Red	620–625 nm	4.26 W/m	142	33.3
Green	520–525 nm	5.37 W/m	441	82.2
Blue	465–470 nm	4.77 W/m	123	25.8
White	6000K	4.8 W/m	518	107.9
RGBW (all on)	—	19.2 W/m	1226	63.9

Measured on IP20 strip at 24 V DC with 6000K white, CRI 80; one channel at full output, RGBW = all channels on. Other white colour temperatures give slightly different white output.

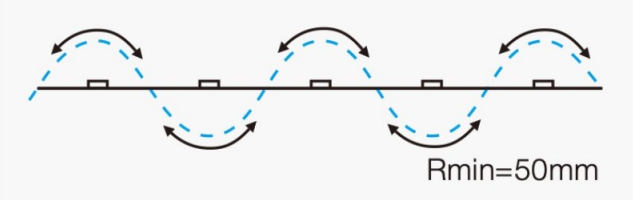
DIMENSIONS & INSTALLATION

Dimensions (unit: mm)



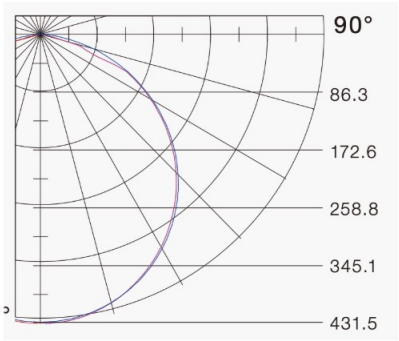
5 m reel, 12 mm PCB; cut marks every 100 mm (24 V) or 50 mm (12 V); 150 mm 5-core lead wire, 20 AWG.

Bending



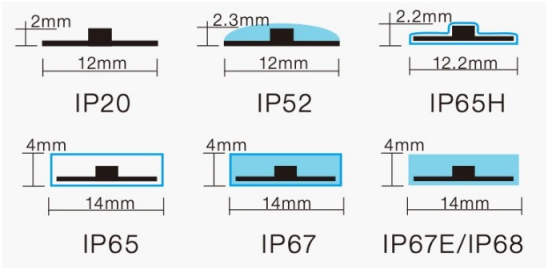
Flexible strip; minimum bend radius 50 mm. Do not bend at the cut marks.

Polar Curve



Reference: IP20, RGB + 6000K.

Waterproof Versions



VERSION	CONSTRUCTION	SIZE (W × H)
IP20	Bare PCB	12 × 2 mm
IP52	Silicone coating	12 × 2.3 mm
IP65H	Heat-shrink tube	12.2 × 2.2 mm
IP65	Silicone tube	14 × 4 mm
IP67	Silicone tube, filled	14 × 4 mm
IP67E / IP68	Solid silicone extrusion	14 × 4 mm

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