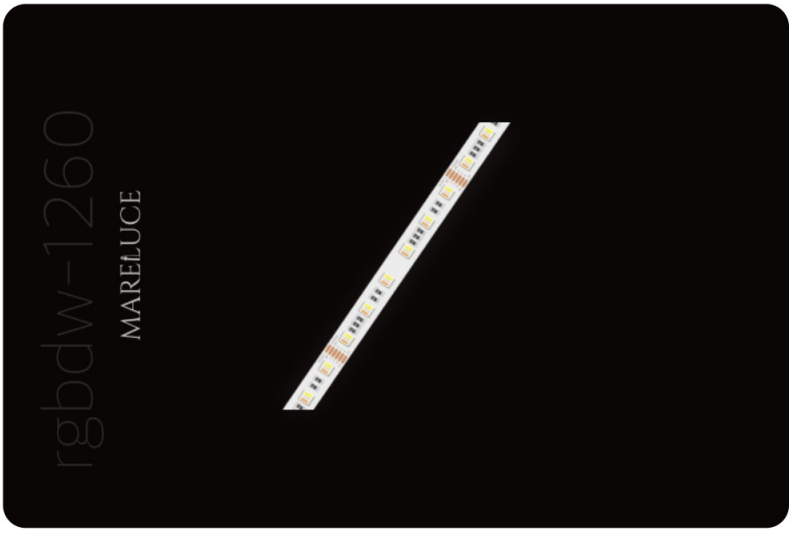
LED STRIP · RGB + DUAL WHITE · 5050 SMD 5-IN-1

RGBDW-1260

12 mm RGB + tunable white LED strip, 5 chips in one LED, 60 LEDs/m, 19.2 W/m · 24 V DC



PCB WIDTH 12 mm	POWER 19.2 W/m
VOLTAGE 24 V DC	CUT UNIT 100 mm
WHITE CCT 2400K + 6000K	MIN. BEND RADIUS 50 mm

Overview

RGBDW-1260 is a 12 mm five-channel LED strip whose 5050 LEDs combine red, green, blue, warm white and cool white chips in a single package, 60 per metre. One strip covers full-colour scenes and tunable white from warm 2400K to cool 6000K, with colours and whites mixing in the same point source. Works with any 5-channel RGB+CCT controller, 24 V DC.

Specifications

Dimension	5000 × 12 × 2 mm (5 m reel)
LED	5050 SMD RGB + WW + CW 5-in-1, 60 LEDs/m, 16.7 mm pitch
Cut unit	6 LEDs / 100 mm
Power	19.2 W/m
Current	0.8 A/m
White channels	Warm white 2400K · cool white 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, 6-core, 20 AWG
Protection	IP20 standard; IP52, IP65H, IP65, IP67, IP67E, IP68 on request

Cut Unit



ORDERING INFORMATION

Product Code

RGBDW-1260	RGB+CCT	24 V
MODEL	COLOUR	VOLTAGE
	RGB · 2400K · 6000K	24 V DC

Example: **RGBDW-1260**, 24 V DC. Requires a 5-channel RGB + CCT controller.

Photometric Data

CHANNEL	WAVELENGTH / CCT	POWER	LM/M	LM/W
Red	619–625 nm	3.32 W/m	108	32.5
Green	519–525 nm	3.27 W/m	245	74.9
Blue	465–470 nm	3.57 W/m	66	18.4
Warm white	2400K	3.72 W/m	311	83.7
Cool white	6000K	3.73 W/m	390	104.6
RGBTW (all on)	—	18.24 W/m	1101	60.4

Measured on IP20 strip at 24 V DC, CRI 80; one channel at full output, RGBTW = all channels on.

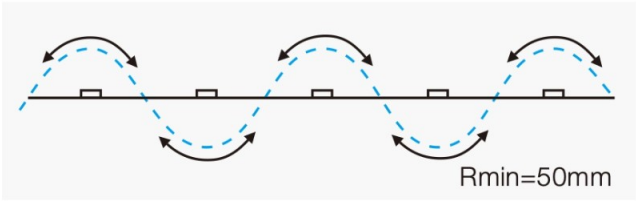
DIMENSIONS & INSTALLATION

Dimensions (unit: mm)



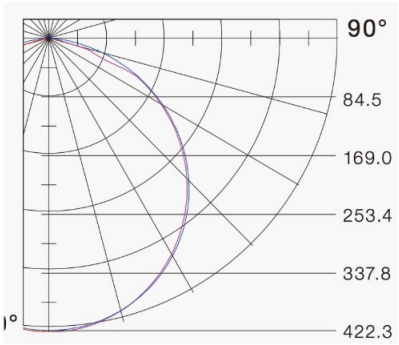
5 m reel, 12 mm PCB; cut marks every 100 mm; 150 mm 6-core lead wire, 20 AWG.

Bending



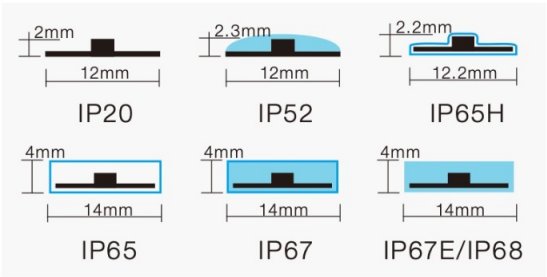
Flexible strip; minimum bend radius 50 mm. Do not bend at the cut marks.

Polar Curve



Reference: IP20, RGB + 2400K + 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.