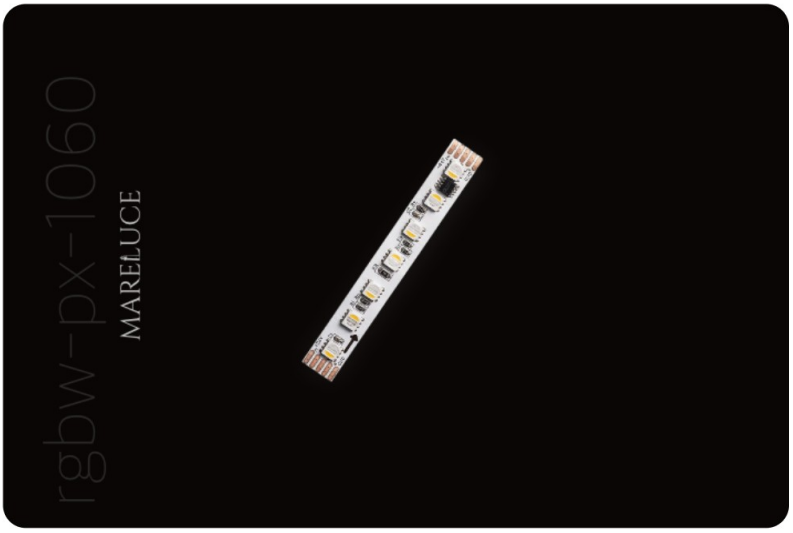
LED STRIP · ADDRESSABLE RGBW · SPI

RGBW-PX-1060

10 mm addressable RGBW LED strip, 60 LEDs/m, 18 W/m, UCS2904 IC · 12 / 24 V DC



PCB WIDTH	10 mm
POWER	18 W/m
VOLTAGE	12 / 24 V DC
PIXELS (24 V)	10 / m
IC	UCS2904
CONTROL	SPI

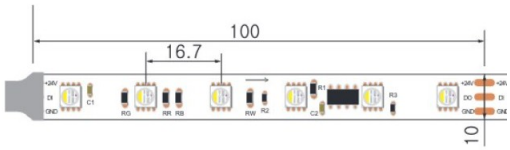
Overview

RGBW-PX-1060 is a 10 mm addressable RGBW LED strip with 60 5050 RGBW LEDs per metre and UCS2904 driver ICs. Every pixel combines colour and a dedicated white channel, so the same strip runs animated colour effects and clean functional white light on board. Controlled with a single-wire SPI signal, 12 V (20 pixels/m) or 24 V (10 pixels/m).

Specifications

Dimension	5000 × 10 × 2 mm (5 m reel)
LED	5050 SMD RGBW, 60 LEDs/m, 16.7 mm pitch
IC	UCS2904, SPI single data line
Pixels	10 / m (24 V) · 20 / m (12 V)
Cut unit	6 LEDs / 100 mm (24 V) · 3 LEDs / 50 mm (12 V)
Power	18 W/m (all channels on)
White channel	4000K (2700K, 3000K, 6000K on request)
Lead wire	150 mm, 3-core
Protection	IP20 standard; IP52, IP65H, IP65, IP67, IP67E, IP68 on request
Beam angle	120°
PCB	2 oz copper, high-thermal 3M adhesive
Ambient temperature	−20 °C to +50 °C
Min. bend radius	50 mm

Cut Unit



ORDERING INFORMATION

Product Code

RGBW-PX-1060	RGBW	24 V
MODEL	COLOUR	VOLTAGE
	UCS2904 · SPI	12 · 24 V DC

Specify supply voltage and white colour temperature when ordering. Example: **RGBW-PX-1060**, 4000K, 24 V DC. Controlled by any SPI pixel controller supporting UCS2904 (RGBW).

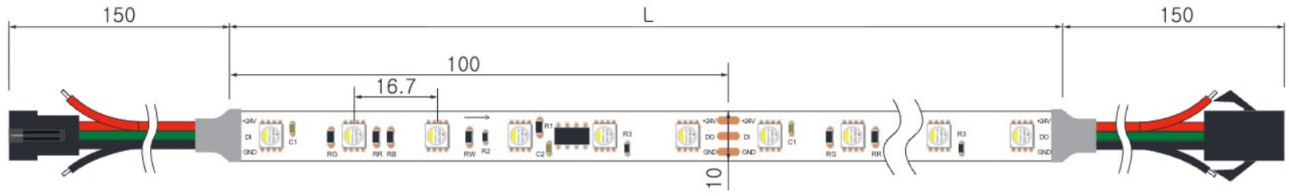
Photometric Data

CHANNEL	WAVELENGTH / CCT	POWER	LM/M	LM/W
Red	—	6 W/m	101	16.8
Green	—	6 W/m	259	43.2
Blue	—	6 W/m	77	12.9
White	4000K	6 W/m	341	56.9
RGBW (all on)	—	18 W/m	758	42.1

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

DIMENSIONS & INSTALLATION

Dimensions (unit: mm)



L = ordered length; drawing shows the 24 V version with connector leads at both ends. Cut every 100 mm (24 V) or 50 mm (12 V).

Wiring

CORE	FUNCTION
Red	V+
Green	Data DI / DO
Black	V− (GND)

3-core lead wire with connectors at both ends.

Control

Signal	SPI, single data line
IC	UCS2904 (RGBW)
Pixel pitch	100 mm (24 V) · 50 mm (12 V)
Controller	SPI pixel controller with RGBW (4-channel) support

Pixel & Length

ITEM	VALUE
Pixel pitch / cut unit	100 mm (24 V) · 50 mm (12 V)
Pixels per metre	10 (24 V) · 20 (12 V)
Reel length	5 m

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