10 Watt RGBW LED Tape 6000K

SPECIFICATION SHEET

9.6W	12V DC	30 LED/M	720LM	IP20	IP65/67

POWER SUPPLIES	PROFILES	CONNECTORS	CE	RoHS COMPLIANT	5 YEAR WARRANTY

▪ PRODUCT SPECIFICATION

Power consumption	9.6W / 5m
Voltage	12V DC
LED/M	30
Kelvin	6000K
Lumens	720lm
Dimension	L5000mm / W10mm / D3mm
PCB increment	Power connection and cut point every 100mm
LED pitch	33mm
Beam angle	120°
PCB Colours	White
LED Chip	5050 SMD epistar
CRI	85+
Lifetime	50,000hrs @ 70%
Operating temp.	-20 ~ 45°C
IP rating	IP20/65/67
Bin/step	3 Step MacAdam ellipse
Minimum bend radius	10mm
Connection	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI/RF
Mounting	3M VHB backing tape

▪ PERFORMANCE DATA (for 1000mm)

Power consumption	10W
Supply voltage	12V DC
Supply current	0.83A

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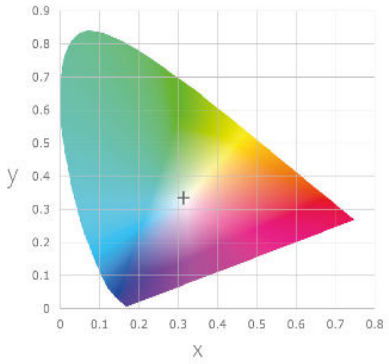
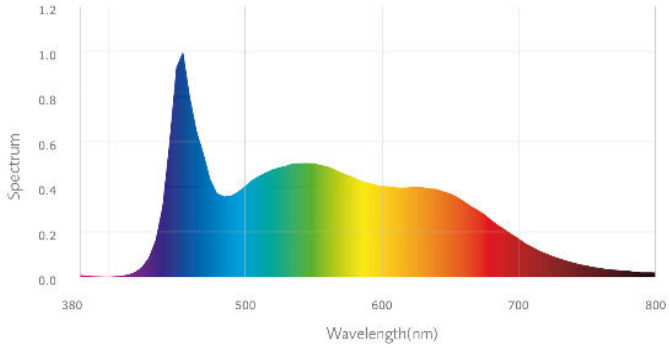
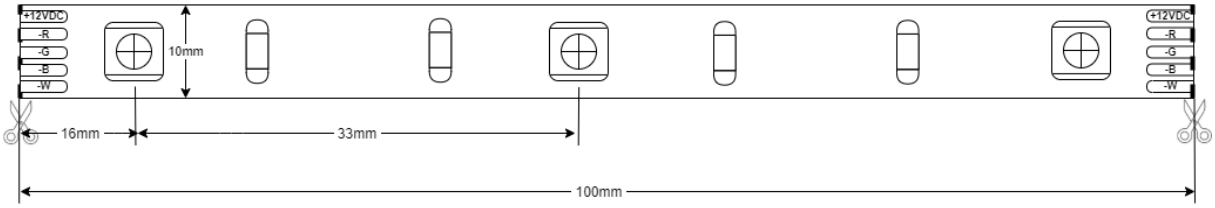
■ CHROMATICITY DIAGRAM



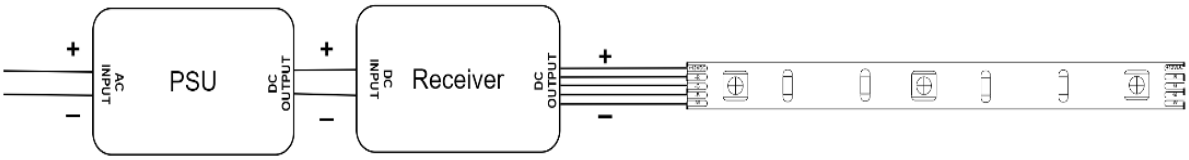
■ SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



■ TECHNICAL DRAWING



■ WIRING DIAGRAM



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▪ PRODUCT DETAILS

Product name	10 Watt RGBW LED Tape 6000K
Product code	RGBW-10
Description	Flexible LED Tape, RGBW 6000K, 12V, 9.6W/m

▪ PRODUCT Features

- Commercial Grade LED Tape
- High Quality Branded LED Chip
- Thick 3oz PCB board for maximum heat dispersion
- High grade, long lasting resistors to stop LED chip damage
- Premium white coating for protection of the PSB board and to stop short circuiting
- Smooth linear effect
- IP65 splashproof & IP67 waterproof available

▪ PRODUCT DESCRIPTION

A thin and very flexible LED light source, our 10-watt RGBW LED tape can meet a wide variety of needs. With 30 LEDs per metre, each one a Epistar 5050 SMD, this high-quality, high lumen-output RGBW LED tape draws 9.6 watts to give up to 720 lumens (per metre), and will last for 50,000 hours of continuous use. Our RGBW LED strip lights give a smooth effect when used to light any surface. Alternatively, LED strips can be used in conjunction with our aluminium extrusions. Fitted into the extrusions, light from LED strips will be smoothly diffused.

▪ PRODUCT Application

The 10w RGBW LED tape is ideal for feature lighting in alcoves and on covings, plinths and signage, in hotels, bars, kitchens and so much more.

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■ IMPORTANT INSTALLATION INFORMATION

- Installation should be carried out in accordance with the latest edition of the National Wiring Regulations. If in doubt, consult a qualified electrician.

- Handle with care – LED strips are delicate!

- When installing, be sure to allow for later access to all products (in the event of replacement/refits).

- Attention shall be paid to the positive and negative poles of the wires during installation, and whether the power supply conforms to required voltages. This is essential to avoid damage.

- Be careful not to scratch, distort, or irregularly bend / twist the LED strips during installation. Otherwise you may cause irreparable damage to the product.

- To ensure the product's longevity and reliability, please do not bend an LED strip into an arc with a diameter less than 10mm – doing so will result in a diameter that's too small, and will damage the product.

- If the actual length of the LED strip exceeds the specified maximum length, it will lead to overload, overheating and uneven brightness.

- IP65 LED strips are suitable for internal use only.

- IP67 LED strips can be used externally. (If you have to cut a sealed IP67 strip yourself, then you must ensure the ends are re-glue sealed to IP67 standards before installation.)

- Keep the LED driver away from all direct heat sources – e.g., low-voltage lamps.

- LED drivers must have unobstructed airflow, with a minimum area space of 100mm.

■ INSTALLATION GUIDANCE

- First, ensure that the surface onto which the LED strip will be applied is clean and free from grease.

- Test all products before installing them.

- Note – Always unreel your LED strips before testing (otherwise overheating and damage will occur).

- When cutting the LED strips to size, usie the marked cut points.

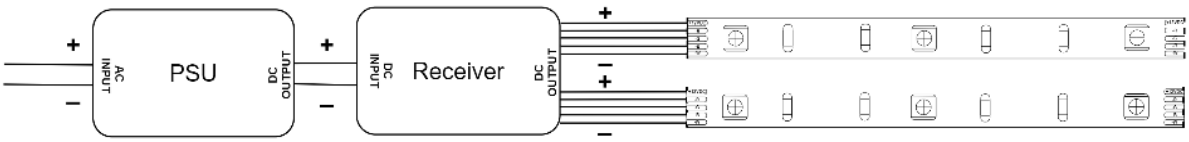
- Peel off the LED strip's backing tape. Position the strip on the clean surface in the required location, and stick it into place using the self-adhesive backing.

- If the LED strip is being installed with the LEDs facing downwards or facing sideways (vertically), then consider using fixing clips, extra-strength adhesive, or an LED profile. This will provide for a permanent install.

- If the LED strip is being installed externally, the same applies: use fixing clips, extra-strength adhesive, or an LED profile for a permanent install.

- If the total LED strip lengths exceed the stated maximum run, then the LEDs must be wired to the power supply as multiple shorter strips, in parallel. **(see diagram)**

Parralel Wiring Diagram



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