

R & C Agency (International) Pty Ltd

LEDROPE-12-__ (COLOUR) IP 63 WEATHER-PROOF 12V ROPE LIGHT

Description

- Use high-brightness LEDs as lighting source on flexible PCB and with self-adhesive backing.
- Available in various colours
- RoHS compliant version approval



Applications

This high-brightness LED lights for lines widely used in guesthouses, hotels, shopping malls Shop and the auxiliary lighting and atmosphere lighting, and decorative works for a variety of creative lighting and home to provide a wide range of choices.

LEDs (5550)

30PCs of LEDs per metre

Consumes 6 watts per meter at 12VDC

Various Colours (Red, Yellow, Blue, Green, White and Warm White) are available.

Technical Specification

IP Rating: IP63
Standard Size: 6 meters in one roll
LED quantity: 30LEDs/m
PCB Material: Flexible copper
Life span: 5,000 hours
Working Voltage: Constant DC 12V

Connections and Able to be cut: Every 10cm (every Scissor Mark)

Cut sections can be reconnected by re-soldering or through easy connectors or through mating connectors (order separately).

Absolute Maximum Ratings at Ta=25°C

Colours Available	Voltage Range (V DC)	Power (w) V=DC12V	Operating Temperature (°C)	Storage Temperature (°C)
Red	12±5%	6.6	+5 ... +50	-25 ... +85
Green	12±5%	6.6	+5 ... +50	-25 ... +85
Blue	12±5%	6.6	+5 ... +50	-25 ... +85
Yellow	12±5%	6.6	+5 ... +50	-25 ... +85
White	12±5%	6.6	+5 ... +50	-25 ... +85
Warm White	12±5%	6.6	+5 ... +50	-25 ... +85

Electrical/Optical Characteristics at Ta=25°C

Part No.	LED Quantity	Emitted colour	Operating Voltage (V dc)	Current (mA)	Power	Wavelength (nm)	Viewing Angle	Luminous flux Φ_v (lm)
						Color TEMP(K)	(Per LED)	
						Typ.	Typ.	Typ.
LEDROPE-12-RE	30	Red	12	500	6	625	140°	102
LEDROPE-12-GR	30	Green	12	500	6	525	140°	215
LEDROPE-12-BL	30	Blue	12	500	6	470	140°	47
LEDROPE-12-YE	30	Yellow	12	500	6	590	140°	101
LEDROPE-12-CW	30	White	12	500	6	5000	140°	305
LEDROPE-12-WW	30	Warm White	12	500	6	3200	140°	239

Cautions

1. Please choose the right power supply for the light strips to make sure they work under the correct stable power.
2. The smallest unit (100mm or every 3LEDs) can be removed by cutting with scissors between the designated soldering pads.
3. The self-adhesive at the back of the light strips ,with its superior adhesive and weather durability, can attach to any clear glass ,metal and plastic surface. However some surface, such as cloth, wood, will affect the function of the stick .Test before attach the strips is necessary.
4. The Min. bending radius is 20mm for the strips. Please pay great attention to avoid direct or indirect crush to the components on the PCB because it may cause damage to the strips.

Package Outlines

