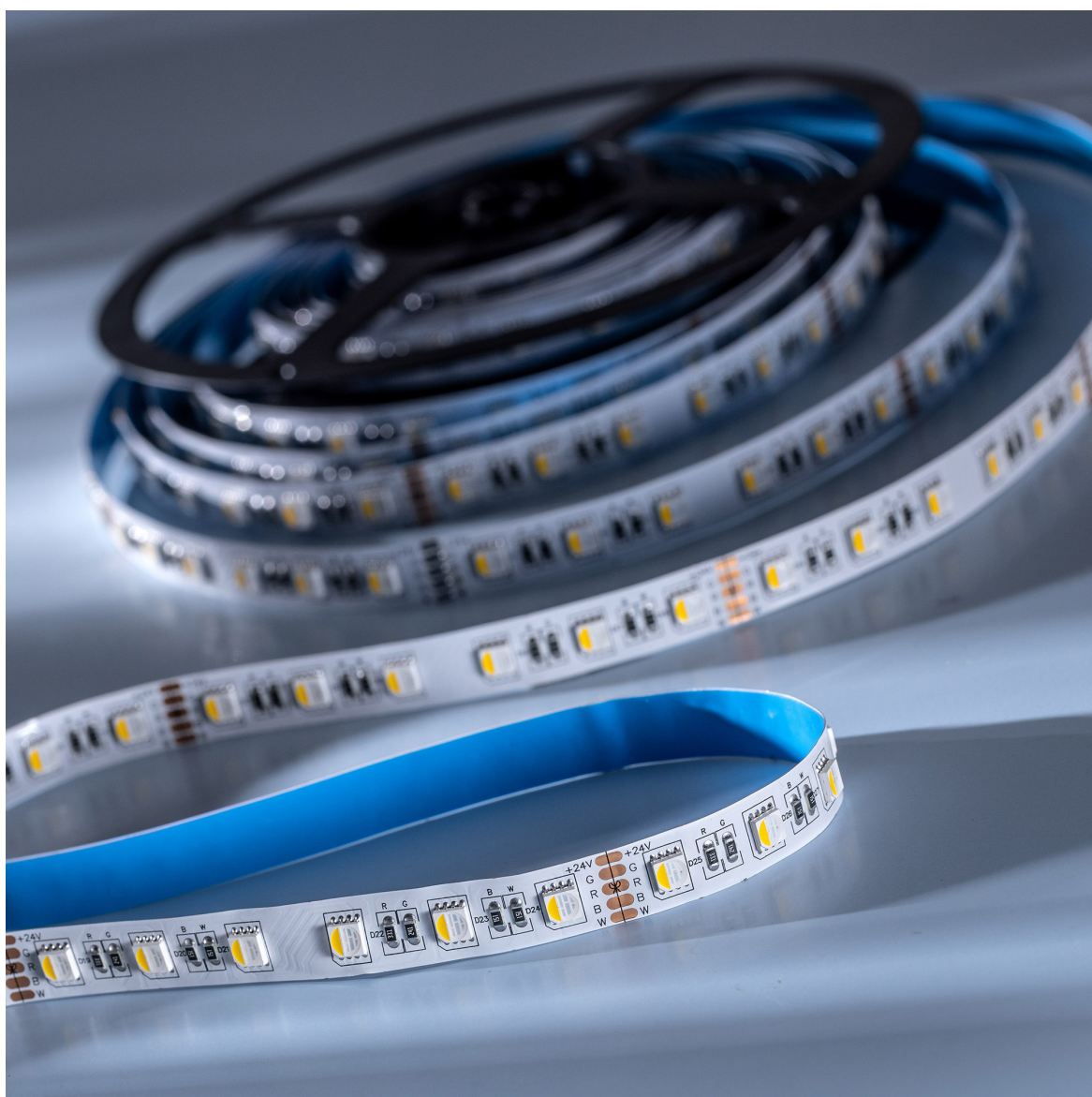Lumistrips

DATASHEET

LUMIFLEX-RGBW-1080 ECO LED STRIP RGB-WHITE 1000LM 12V 60 LEDS/M 5M REEL

### SKU: 37928

LUMIFLEX-RGBW-1080 ECO LED STRIP RGB-WHITE 1000LM 12V 60 LEDS/M 5M REEL

Article number (SKU)	37928			
Product name	LUMIFLEX-RGBW-1080 ECO LED STRIP RGB-WHITE 1000LM 12V 60 LEDS/M 5M REEL			
Classification	Economy			
Model identifier (equivalent models)	LumiFlex300 Eco RGBW			
Photometric data (at TJ = 65°C, ± 10%)				
Light color	RED	GREEN	BLUE	WHITE
Binning	-	-	-	-
Color temperature (**K**)				3000 K
Dominant wavelength (**nm**)	610 – 630 nm	535 - 545 nm	460 - 480 nm	
Luminous flux max. (**lm**)	250 lm	450 lm	100 lm	200 lm
CRI (**Ra**)	-			70+
Efficiency (**lm/W**)	30 - 100 lm/W			
Beam angle FWHP	120°			
Lifetime L80B10C1 (**h**)	>10000 h			
Photometric code	-			-
Electrical data (at TJ = 65°C, ± 10%) (reference settings)				
Operating mode	Constant voltage			
Voltage (**V**)	12 V			
Current (**mA**)	-			
Power (**W**)	20 W per color, 60 W for RGBW			
Standby power consumption (**W**)	0 W			
Dimmable	Yes			
Dimensions / Mechanical data	**Metric units**	**Imperial units**		
Length	5000 mm	196.50"		
Width	10 mm	0.393"		
Height	2.67 mm	0.105"		
Number of LEDs (pcs)	300 pcs			
Weight (g)	150 g			
Heat dissipation	Yes			
Temperatures				
Operating temperature at Tc	-40 °C to +60 °C			
Ambient temperature	-40 °C to +50 °C			
Storage temperature	-40 °C to +100 °C			
Approvals / Certifications				
CE / RoHS / Reach	Yes			
EN 62471 Risk group	RG0			
Energy efficiency class	-			
Mains voltage luminous efficacy (lm/W)	-			
Version				
Date	1. Feb 2023			

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CONNECTION OF LED STRIP

The Professional LED Strips are connected via a lead connection to the connection pads provided for this purpose.

CUTTING INFO
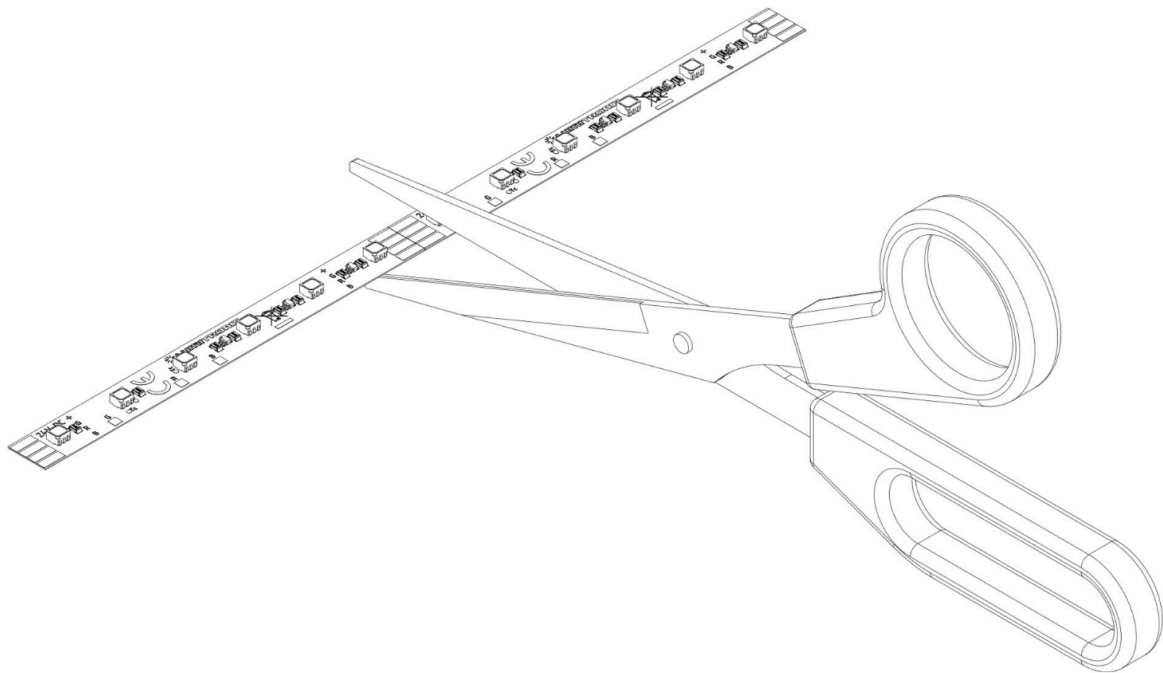
The LED strip can be separated or shortened every 100 mm. On the back of the LED strip is a double-sided heat-conducting adhesive tape, which allows installation of the LED strip. Professional LED strips can be cut with scissors.

LED STRIP PRODUCT NAME EXPLAINED

LumiFlex2080 Samsung LED Strip warm white CRI80 2700K 6500lm 24V 70 LEDs/m 5m reel (1300lm/m and 12.6W/m)

Product name

Primary application:
10XX = LED strip for ambient light (up to 1000 lm/m)

20XX = LED strip for general light, when combined with other sources (up to 1500 lm/m)

30XX = LED strip for general light (up to 2500 lm/m)

40XX = LED strip for work light (up to 5000 lm/m)

Spectrum quality (CRI):
xx80 = minimum acceptable

xx90 = good

xx95 = very good

xx98 = best (full spectrum light)

LED brand

Product type

Photometric data

Electrical data

Dimensions

Mechanical data

Key Photometric and electrical data per meter, for easy comparison to other LED strips

Due to the special conditions in the production process of LEDs, the specified values are statistical averages. The individual LED may deviate from them.
The LED modules and all their components must not be mechanically stressed.
Avoid undue claw action, e.g. by screwing or excessive bending.
The LED modules must not come into contact with aggressive chemical substances, either in

3

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operation or in storage.

The installation of the module (with the operating device) must be carried out in compliance with all applicable electrical and safety standards.

Pay attention to standard ESD precautions when installing the modules.

- The components on the LED modules must not be subjected to mechanical stress.

- The conductive paths on the boards must not be damaged or interrupted by the installation.

- Store and operate the LED modules only at a final humidity of 10% to 60%.

Our LED modules are not protected against overload, overtemperature and short-circuit currents. To operate the modules safely and reliably, it is therefore necessary to use an electronically stabilized power supply unit in which these

in which these safety functions are already integrated. If other power supplies than the ones distributed by us are used, the following protective

the following protective measures must be ensured on the power supply side:

MINIMUM REQUIREMENTS FOR POWER SUPPLIES: Short circuit protection - Overload protection - Overtemperature protection - The installation of LED modules may only be carried out in compliance with all applicable regulations and standards by an authorized electrician.

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This LED strip can be purchased via the following websites:
www.ledrise.eu / www.lumistrips.com

ISO 9001 quality management system.

OHSAS 18000 health and safety management system.

ISO 14001 Environment Management System

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