



MONOFLEX-RGB96

A flexible and dynamic (RGB + White) linear LED tape manufactured using a durable copper 4-circuit PCB with on-board constant current integrated circuit (IC) to ensure precise current control, whilst Schottky diodes protect against reverse polarity.

Utilising 48 Osram RGB tri-chip LED + 48 Osram white LED per metre. Designed for professional interior lighting applications where stable, consistent and reliable performance is required.

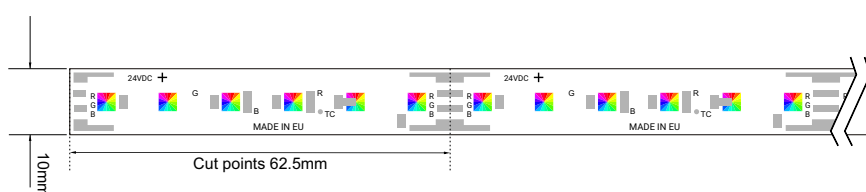
The RGBW PCB incorporates four circuits, enabling each colour to be individually controlled, in conjunction with an appropriate control system.

FEATURES

- // Osram & LEDs
- // 24vdc input voltage (SELV)
- // 96 LEDs/m - 62.5mm cutting steps
- // 14.4w/m / 23w/m
- // Up to 3770 lumens/m
- // 3 Step MacAdam LEDs
- // CRI \geq Ra80 / \geq Ra90 / \geq Ra98
- // 10mm wide copper PCB with constant current IC
- // Schottky diodes for reverse polarity protection
- // Thermal conductive adhesive tape for better heat conduction

TECHNICAL

Input voltage:	24VDC [22.5~25VDC]
Current control:	On-board integrated controller (IC)
Reverse voltage protection:	On-board Schottky diode
Operating temperature (Ta):	-25 °C ~ 50 °C
PCB Temperature (Tc max):	<75 °C
Dimmable:	PWM (Pulse-Width Modulation)
Beam angle:	120 (cosine)
LEDs/m:	96



PRODUCT CODE EXAMPLE

PRODUCT	POWER	PCB
RGB96	/ 14	- N4

RGB

			POWER	14	23
COLOUR				14.4W/m	23W/m
●	RED	Nichia	LUMENS/M	130	209
●	GREEN	Nichia		383	614
●	BLUE	Nichia		87	139
			RGB LUMEN/M	600	962

Disclaimer:

Technical data is subject to change without prior notice. The data provide represent typical values.

Due to tolerances in the production of components and binning of LEDs, values for lumen output (Lm), colour temperature (CCT) and power (W/m) can vary up to 10%.

Electrical and thermal variation also influences the performance characteristics of LEDs