

MONOFLEX-RGBW

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.

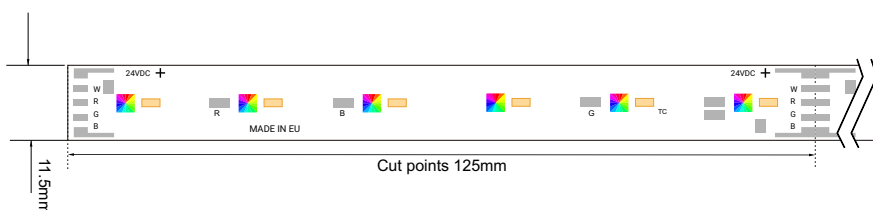
The RGBW PCB incorporates four circuits, enabling each colour to be individually controlled, in conjunction with an appropriate control system.

FEATURES

- // Osram LEDs
- // 24vdc input voltage (SELV)
- // 48 RGB + 48 white LEDs/m - 125mm cutting steps
- // 14.4w/m / 19.2w/m / 24w/m
- // Up to 1582 lumens/m
- // 3 Step MacAdam LEDs
- // CRI ≥Ra80 / ≥Ra90
- // 11.5mm 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:	48 RGB + 48 white



PRODUCT CODE EXAMPLE

PRODUCT	POWER	PCB	CCT
RGBW	/ 14	- 03	- 927

RGB

				POWER	14	19	24
					14.4W/m	19.2W/m	24W/m
COLOUR							
● RED	Nichia			LUMENS/M	55	92	92
● GREEN	Nichia				189	315	315
● BLUE	Nichia				40	67	67
				RGB LUMEN/M	284	474	474

CRI 80+

				POWER	14	19	24
					14.4W/m	19.2W/m	24W/m
SPECTRUM							
● 822	Osram	2200K	LUMENS/M	515	426	796	
● 825	Osram	2500K		572	474	881	
● 827	Osram	2700K		647	543	1021	
● 830	Osram	3000K		647	543	1021	
● 835	Osram	3500K		647	543	1021	
● 840	Osram	4000K		702	589	1108	
● 850	Osram	5000K		702	589	1108	
● 865	Osram	6500K		702	589	1108	

CRI 90+

				POWER	14	19	24
					14.4W/m	19.2W/m	24W/m
SPECTRUM							
● 922	Osram	2200K	LUMENS/M	499	359	673	
● 927	Osram	2700K		499	383	719	
● 930	Osram	3000K		533	390	726	
● 935	Osram	3500K		540	399	740	
● 940	Osram	4000K		551	420	790	
● 950	Osram	5000K		564	446	835	
● 965	Osram	6500K		552	422	789	

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