

Light is OSRAM

OSRAM TEC FLEX RGB IP66

Colored lighting atmospheres also for dry and damp environment

TFP400RGB-G1

**Application areas**

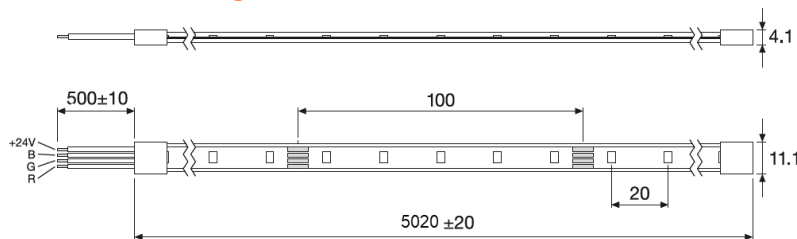
Effect lighting
 Colored lighting atmospheres
 Dynamic effects
 Dry and damp environment, outdoor (UV-resistant)

Standards

CE, ENEC, ROHS

Features & Benefits

- 24V Constant Voltage Dimmable IP66 LED strip
- Luminous flux up to 400 lm/m
- Realistic colors thanks to good color rendering
- Long lifetime: 50.000 hours
- Degree of Protection: IP66
- Fast and reliable protection for accidental reverse power supply
- Robust ESD protection
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- Quick and safe installation thanks to pre-assembled wires
- 5 Years OSRAM Guarantee
- System solution in combination with OSRAM 24V Constant Voltage LED drivers, mounting accessories

Dimension & Length

Lowest Bending Radius = 50 mm

Number LED/m = 50

Pre-soldered wires on one side

Electrical & Output data

Nominal Voltage	24.0 V
Accidental reverse voltage protection up to	25.0 V
Temperature range in operation @ Tc point	-25°C...+80°C
Storage Temperature	-30°C...+85°C
Ambient Temperature with profile **	-25°C...+50 °C

Technical data

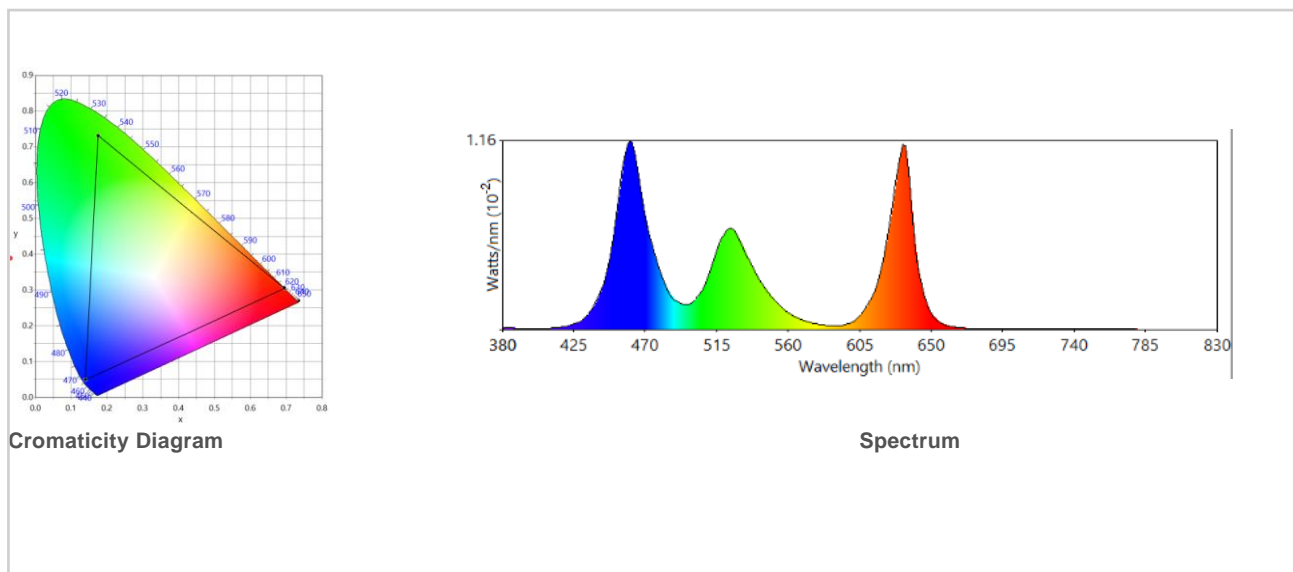
Dimmable	Pulse width modulation (PWM)
Dimming range	1...100%
Lifetime	50.000 hrs (L70B50, Tp rated)
Adhesive tape on backside	3M
Complementary systems	Profiles and covers, OPTOTRONIC drivers and dimmers
Minimum bending radius	5 cm
Protection type	IP66
Classification acc. to IEC 62031	Built-in

REFERENCE DATA

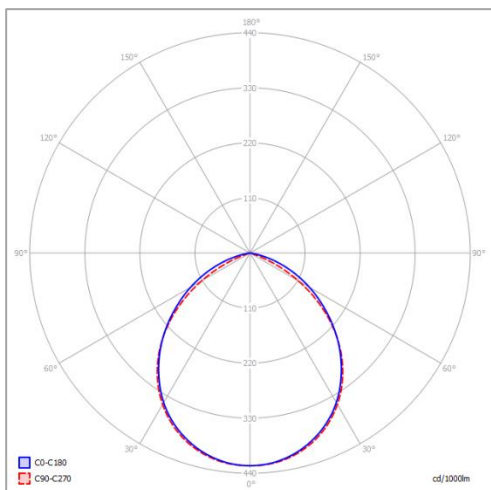
TFP400RGB	lm/m	W/m	Luminous Efficacy lm/W	LEDs/m	Performance Temp. Tp °C	Length m
TFP400RGB-G1-05	365	11.4	32	50	60	5

Color	Dom. λ (nm)	λ range (nm)	Flux lm/m	Power W/m	Current A/m
● R	620	618 - 626	91	4.3	0.179
● G	525	518 - 532	237	3.6	0.150
● B	463	460 - 467	37	3.5	0.146

Photometric Characteristics


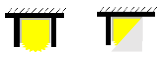















Light Distribution



Profile System Combinations

Maximum recommended ambient temperature in case of surface mounting or recessed mounting.

TFP400RGB				Surface mounting 	Recessed mounting 
Type	Product Description	Product code (EAN)	Ambient Temperature °C		
	Slim Track LF-LTS-2100	4008321978981	45	40	
	Slim Track FX-QMS-G1-TU15H6-300	4052899448865	48	45	
	Slim Track FX-QMS-G1-TU15H6W3-300	4052899448889	48	45	
	Slim Track FX-QMS-G1-TU16H12-300	4052899448964	50	45	
	Slim Track FX-QMS-G1-TU16H12W3-300	4052899448988	50	45	
	Slim Track FX-QMS-G1-TR19H16-300	4052899449008	50	45	
	Slim Track FX-QMS-G1-TU16H12LS-300	4052899449046	50	45	
	Slim Track FX-QMS-G1-T45D19H19-300	4052899448667	50	48	
	Wide Track FX-QMW-G1-TK30D46H27-300	4052899448827	50	50	
	Wide Track FX-QMW-G1-TU26H10-300	4062172114165	50	45	
	Wide Track FX-QMW-G1-TU26H25W10-300	4052899448773	50	45	
	Wide Track FX-QMW-G1-TU26H25W2-300	4052899448841	50	45	
	Wide Track FX-QMW-G1-TU26H25-300	4052899448803	50	45	

Note: -the table is for application evaluation only; always ensure that Tc does not exceed the maximum allowed value.
 -compatibilities tested including cover, except for FX-QMS-TU15H6, FX-QMS-TU15H6W3; all channels 100% ON

Ordering Data

Product description	Product code (EAN10)	Dimensions (length x width x height)	Package content
TFP400RGB-G1-05	4062172155069	225X 240X 120mm	10x Led strip

*Each LED strip comes with 1 bottle of glue (5g), 10 endcaps, 40 screws, 20clips

Note: All TEC Flex LED strips are fully compatible with OSRAM OT and OTi LED drivers and dimmers.

Disclaimer

Subject to change without notice. Errors and omission excepted. Make sure to use the most recent release. All values are average typical and cannot be used as reference for compliance tests. Always refer to the official data on web site: www.osram.com

* Always ensure that Tc will not exceed the maximum allowed value (e.g. suggested aluminum bar section: 8x2mm or equivalent).

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The OSRAM logo is displayed in a bold, orange, sans-serif font.