

Light is OSRAM

OSRAM TEC Flex RGB IP00

Surprise people with beautiful colored light

TF400RGB-G1

**Application areas**

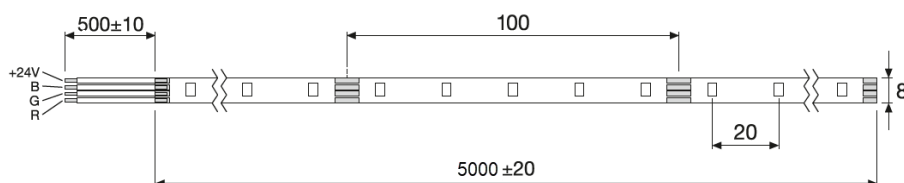
Effect lighting
Colored lighting atmospheres
Dynamic effects

Approvals

CE, ENEC, ROHS

Features & Benefits

- 24V Constant Voltage Dimmable LED strip
- Luminous flux up to 400 lm/m
- Realistic colors thanks to good color rendering
- Long lifetime: 50.000 hours
- Fast and reliable protection for accidental reverse power supply
- Robust ESD protection
- Improved self-adhesive backside for easy and reliable mounting on different surfaces
- Cables soldered one side for quick and safe installation
- 5 Years OSRAM Guarantee
- System solution in combination with OSRAM 24V Constant Voltage LED drivers, optional connectors, mounting accessories

Dimension & Length

Lowest Bending Radius = 20 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

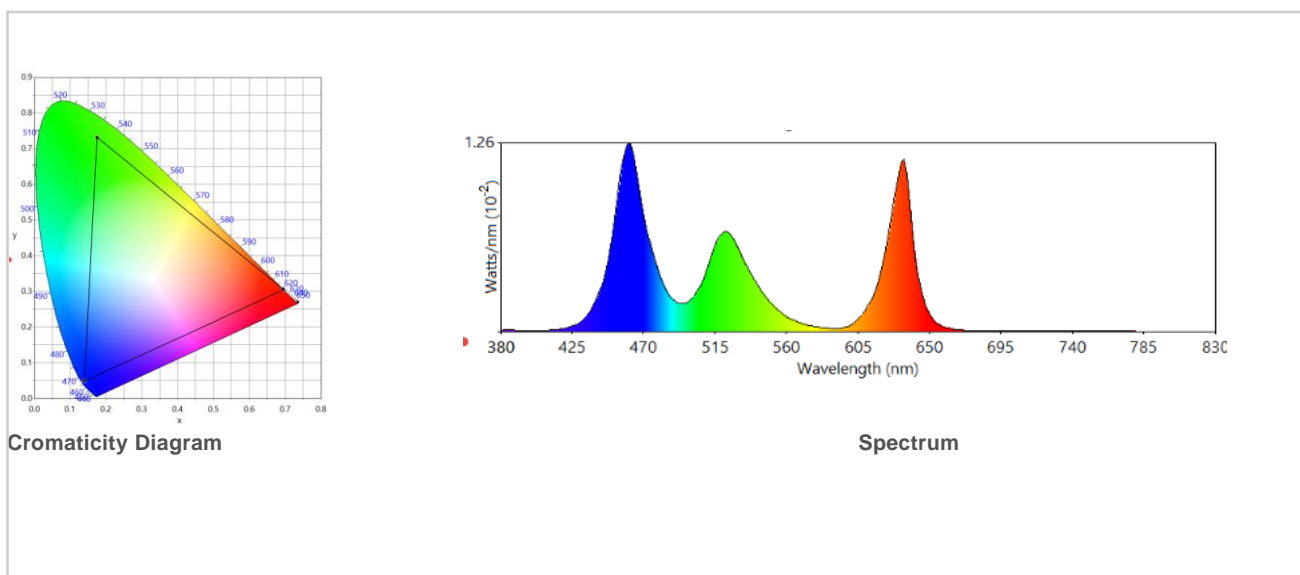
Dimmable	Pulse width modulation (PWM)
Dimming range	1...100%
Lifetime	50.000 hrs (L70B50, Tp rated)
Adhesive tape on backside	3M
Complementary systems	Connectors, Profiles and covers, OPTOTRONIC drivers and dimmers
Minimum bending radius	2 cm
Protection type	IP00
Classification acc. to IEC 62031	Built-in

REFERENCE DATA

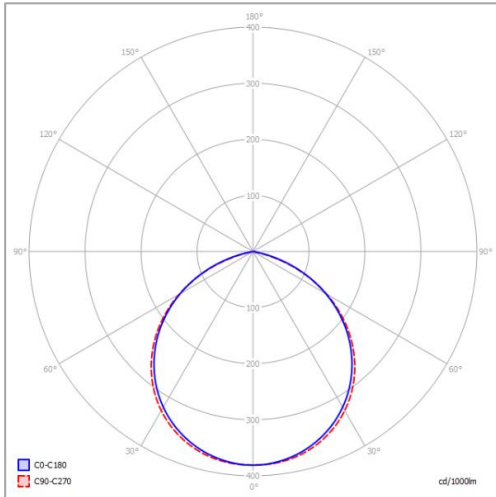
TF400RGB	lm/m	W/m	Luminous Efficacy lm/W	LEDs/m	Performance Temp. Tp °C	Length m
TF400RGB-G1-05	380	11.4	33.3	50	52	5

Color	Dom. λ (nm)	Flux lm/m	Power W/m	Current A/m
● R	620	95	4.3	0.179
● G	525	247	3.6	0.150
● B	463	38	3.5	0.146

Photometric Characteristics


















Light Distribution



Profile System Combinations

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







TF400RGB				Surface mounting 	Recessed mounting 
Type	Product Description	Product code (EAN)	Ambient Temperature °C		
	Slim Track LF-LTS-2100	4008321978981	50	48	
	Slim Track FX-QMS-G1-TU15H6-300	4052899448865	50	50	
	Slim Track FX-QMS-G1-TU15H6W3-300	4052899448889	50	50	
	Slim Track FX-QMS-G1-TU16H12-300	4052899448964	50	50	
	Slim Track FX-QMS-G1-TU16H12W3-300	4052899448988	50	50	
	Slim Track FX-QMS-G1-TR19H16-300	4052899449008	50	50	
	Slim Track FX-QMS-G1-TU16H12LS-300	4052899449046	50	50	
	Slim Track FX-QMS-G1-T45D19H19-300	4052899448667	50	50	
	Wide Track FX-QMW-G1-TK30D46H27-300	4052899448827	50	50	
	Wide Track FX-QMW-G1-TU26H10-300	4062172114165	50	50	
	Wide Track FX-QMW-G1-TU26H25W10-300	4052899448773	50	50	
	Wide Track FX-QMW-G1-TU26H25W2-300	4052899448841	50	50	
	Wide Track FX-QMW-G1-TU26H25-300	4052899448803	50	50	

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

Ordering Data

Product description	Product code (EAN10)	Dimensions (length x width x height)	Package content
TF400RGB-G1-05	4062172154284	225X 240X 120mm	10x Led strip

Optional Accessories

Product Type	Product description	Product code (EAN10)	Package content
 Connector	FX-SC08-G2-CT4PF-0500	4052899464797	20x Connector (500mm wire)
 Connector	FX-SC08-G2-CT4PF-1000	4052899464827	20x Connector (1000mm wire)
 Jumper	FX-SC08-G2-CT4PJ	4052899464858	25x Jumper
 Extension wire 30 mm	FX-SC08-G1-FW4P-LIN-0030	4008321875587	100x Extension wire 30 mm
 Extension wire 150 mm	FX-SC08-G1-FW4P-LIN-0150	4008321875563	50x Extension wire 150 mm
 Extension wire 300 mm	FX-SC08-G1-FW4P-LIN-0300	4052899469259	50x Extension wire 300 mm

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).

OSRAM GmbH

Head Office:

Marcel-Breuer-Strasse 6
80807 Munich, Germany
Phone +49 89 6213-0
Fax +49 89 6213-2020
www.osram.com

