

TEC Flex Protect RGB

LED modules flexible, strips, colored

Product family features

- Luminous flux: up to 400 lm/m
- Flexible and cuttable LED strip
- Up to 50,000 hrs lifetime @ tc max
- Recommended in system use with OPTOTRONIC

Product family benefits

- Uniform color changing
- Pre-wired LED strip, simple and quick plug-and-play installation
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- Type of protection: IP66
- Dimmable (with suitable PWM dimming methods)

Areas of application

- Effect lighting in architecture



Product family datasheet

Technical data

Electrical data

Product description	Accidental reverse input voltage protection up to	Type of current	Nominal wattage	Nominal voltage	Nominal current	Input voltage range
TFP400RGB -G1-05	25 V	DC	48.50 W	24.0 V	2.021 A	23...25 V

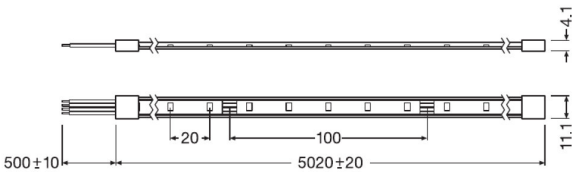
Photometrical data

Product description	Light color LED	Light color (designation)	Luminous efficacy
TFP400RGB -G1-05	RGB	Red/Green/Blue	32 lm/W

Dimensions & weight

Product description	Product weight	Width	Height	Length
TFP400RGB -G1-05	290.00 g	11.1 mm	4.10 mm	5000 mm

Product line drawing



TFP400RGB -G1-05

Product family datasheet

Temperatures & operating conditions

Product description	Temperature range in operation at Tc point	Temperature range at storage
TFP400RGB -G1-05	-25...80 °C	-30...85 °C

Certificates & standards

Product description	Energy efficiency class of the contained light source
TFP400RGB -G1-05	G

Logistical data

Product description	Commodity code
TFP400RGB -G1-05	853951000000

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
TFP400RGB -G1-05	18-04-2022	4062172155069	No declarable substances contained

Product description	Declaration No. in SCIP database
TFP400RGB -G1-05	No declarable substances contained

Equipment / Accessories

- Flexessories: a complete set of aluminum channels with diffusers and lenses
- Drivers and dimmers: wide selection of OPTOTRONIC 24 V DALI, DMX and BLE

Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

Sales and Technical Support www.osram.com

Product family datasheet

Download Data

File	
	User instruction TEC Flex Protect Tunable White, TEC Flex Protect RGB
	Product Datasheet TEC Flex RGB IP66 Product Datasheet, EN
	Brochures Light is strong - Discover the versatile and flexible lighting system OSRAM 24V TEC Flex (EN)
	Certificates TEC Flex RGB CE 4239858 210820
	Certificates TF(P)RGB ENEC 35-115144 140920
	Eulumdat Eulumdat TFP400RGB-LDT
	IES data Eulumdat TFP400RGB-IES

Ecodesign regulation information:

- This product is considered to be a "containing product" in the sense of Regulations (EU) 2019/2020 and (EU) 2019/2015. The contained light source is intended for use in applications requiring high-quality coloured light.
- Tolerances of the reported values, are according to LED Modules Performance standard IEC/EN 62717.
- In general, the replacement of the contained light sources without permanent damage to the product with the use of common available tools is possible in the final application when they can be dismantled from the installation environment and substituted for the necessary number of light sources restoring its full electrical/mechanical/thermal/optical functionality by means of a professional installer. In the contrary, and limited to the LINEARlight Flex Diffuse, LINEARlight Rigid Finesse, GINO LED Flex Diffuse and LUMINENT Milky product families, the contained light source is an integrated part of the containing product and its removal can only be done by causing a permanent damage to the containing product due to its tight mechanical, electrical, optical, thermal interaction and/or environmental protection with or from the containing product. Therefore, a replacement of the light source with the use of common available tools is not justified.
- Dismantling of light sources from containing products at end of life: Containing products with light sources which are scalable in length can be cut to the length of the contained light source and if applicable mechanically detached from protective and/or optical covers. Containing products shall be separated from building material and/or from other additional mounting accessories by means of a professional installer. Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
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Product family datasheet

Logistical Data

4062172155069	TFP400RGB -G1-05	Shipping carton box 10	280 mm x 305 mm x 180 mm	15.37 dm ³	3874.00 g
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The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Accessories Optional

Product description	Accessory name	Accessory code
TFP400RGB -G1-05	ENDCAP -IP67 KIT 10PCS	▶ 4062172176552
TFP400RGB -G1-05	CONN-FLEX -4P-050 KIT 10PCS	▶ 4062172179744
TFP400RGB -G1-05	LTS-SLIMTRACK -2000 KIT 5 PCS	▶ 4062172207300
TFP400RGB -G1-05	FX-QMS-G1 -T45D19H19-300	▶ 4052899448667
TFP400RGB -G1-05	FX-QMW-G1 -TU26H25W10-300	▶ 4052899448773
TFP400RGB -G1-05	FX-QMW-G1 -TU26H25-300	▶ 4052899448803
TFP400RGB -G1-05	FX-QMW-G1 -TK30D46H27-300	▶ 4052899448827
TFP400RGB -G1-05	FX-QMW-G1 -TU26H25W2-300	▶ 4052899448841
TFP400RGB -G1-05	FX-QMS-G1 -TU15H6-300	▶ 4052899448865
TFP400RGB -G1-05	FX-QMS-G1 -TU15H6W3-300	▶ 4052899448889
TFP400RGB -G1-05	FX-QMS-G1 -TU16H12W3-300	▶ 4052899448988
TFP400RGB -G1-05	FX-QMS-G1 -TR19H16-300	▶ 4052899449008
TFP400RGB -G1-05	FX-QMS-G1 -TU16H12-300	▶ 4052899448964
TFP400RGB -G1-05	FX -SC08-G2-CT4PJ	▶ 4052899464858
TFP400RGB -G1-05	FX -SC08-G2--BTJ-IP54	▶ 4052899568853
TFP400RGB -G1-05	FX-DCS -G1-GL-25	▶ 4052899452244
TFP400RGB -G1-05	FX-QMS-G1 -TU16H12LS-300	▶ 4052899449046

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.