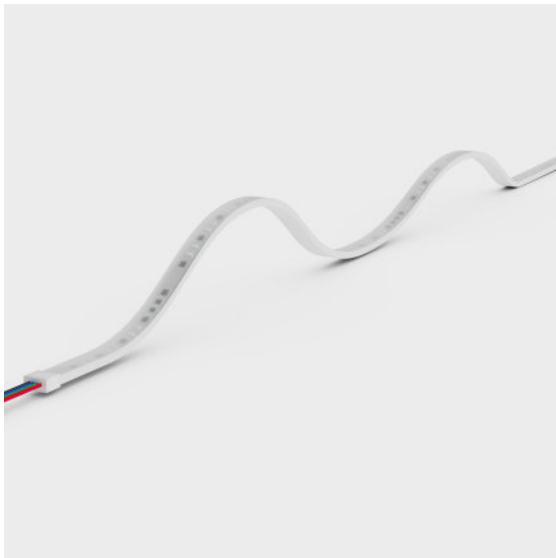# OSRAM

TEC FLEX Tunable White Protect
LED modules for semi-professional applications

Product family features

− Flexible and cuttable LED strip
− Luminous flux: up to 2,000 lm/m
− Adjustable color temperature via Tunable White: 2,700…6,500 K
− Color consistency in 3 SDCM
− Up to 50,000 hrs lifetime @ tc max
− Recommended in system use with OPTOTRONIC

Product family benefits

− 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

− Dynamic mood lighting

Technical data

Electrical data

Product description	Nominal voltage	Type of current	Rated wattage	Input voltage range	Accidental reverse input voltage protection up to
TFP2000TW -G1-827.865-05	240 V	DC	5400 W	23...25 V	25 V

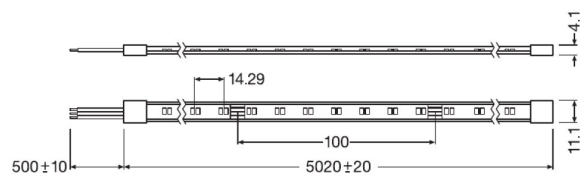### Photometrical data

Product description	Light color LED	Color rendering index Ra	Luminous efficacy	Light color (designation)
TFP2000TW -G1-827.865-05	Dynamic White	80	1348 lm/W	Dynamic White

Dimensions & weight

Product description	Length	Product weight
TFP2000TW -G1-827.865-05	50000 mm	30500 g

Product line drawing

TFP2000TW -G1-827.865-05

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Temperatures & operating conditions

Product description	Temperature range in operation at Tc point	Temperature range at storage
TFP2000TW -G1-827.865-05	-25...80 °C	-30...85 °C

Additional product data

Product description	ID of contained light source
TFP2000TW -G1-827.865-05	LS_SHZ_600421

Certificates & standards

Product description	Energy efficiency class of the contained light source
TFP2000TW -G1-827.865-05	E

Product family datasheet

Logistical data

Product description	Commodity code
TFP2000TW -G1-827.865-05	85395100000

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
TFP2000TW -G1-827.865-05	07-07-2023	4062172154260	Lead

Product description	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
TFP2000TW -G1-827.865-05	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	1d23825e-b60c-4620-8cdd-ed4bd7558210

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

Download Data

	File
	User instruction TEC Flex Protect Tunable White, TEC Flex Protect RGB
	Product Datasheet TEC Flex Tunable White IP66 product datasheet (EN)
	Brochures Light is strong - Discover the versatile and flexible lighting system OSRAM 24V TEC Flex (EN)
	Certificates TEC Flex TW CE 4228593 210820

Product family datasheet

📄	**Certificates**	TF(P)2000TW ENEC 071020
🖥	**Eulumdat**	Eulumdat TFP2000TW-LDT
🖥	**IES data**	Eulumdat TFP2000TW-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.

– 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
4062172154260	TFP2000TW -G1-827.865-05	Shipping carton box 10	280 mm x 305 mm x 180 mm	15.37 dm³	4024.00 g

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
TFP2000TW -G1-827.865-05	ENDCAP -IP67 KIT 10PCS	▶ 4062172176552
TFP2000TW -G1-827.865-05	CORNER-FLEX -4P-015 KIT 10PCS	▶ 4062172179676
TFP2000TW -G1-827.865-05	LTS-SLIMTRACK -2000 KIT 5 PCS	▶ 4062172207300
TFP2000TW -G1-827.865-05	FX-QMS-G1 -TU15H6W3-300	▶ 4052899448889

TFP2000TW -G1-827.865-05	FX-QMS-G1 -TU16H12W3-300	▶	4052899448988
TFP2000TW -G1-827.865-05	FX-QMS-G1 -TU16H12-300	▶	4052899448964
TFP2000TW -G1-827.865-05	FX -SC08-G2-CT4PJ	▶	4052899464858
TFP2000TW -G1-827.865-05	FX -SC08-G2--BTJ-IP54	▶	4052899568853

Disclaimer

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

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