

The trusted value of OSRAM Digital Systems continues with Inventronics Global – where experience meets innovation.

TFP2000TW -G1-827.865-05 (PHASE OUT)

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)



Specifications are subject to changes without notice.

www.inventronicsglobal.com

© 2024, Inventronics GmbH. All rights reserved. Inventronics is a licensee of the OSRAM brand. OSRAM is a trademark of ams OSRAM

support@inventronicsglobal.com

Areas of application

- Dynamic mood lighting

Technical data

Electrical data

Nominal voltage	24.0 V
Type of current	DC
Rated wattage	54.00 W
Input voltage range	23...25 V
Accidental reverse input voltage protection up to	25 V

Photometrical data

Color rendering index Ra	80
Luminous flux per meter	1820 lm
Luminous efficacy	134.8 lm/W
Light color (designation)	Dynamic White
Color Temperature	2700

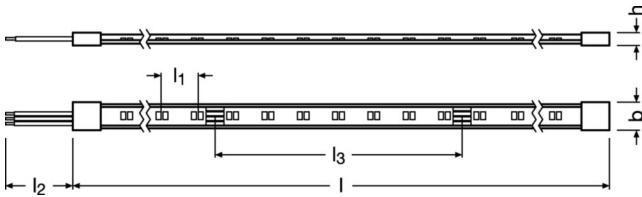
Light technical data

LED pitch	14.29 mm
Starting time	0 s
Warm-up time (60 %)	0 s

LED module information

Number of LEDs per meter	140
Number of LEDs per smallest unit	14

Dimensions & weight



Length	5000 mm
Length – smallest unit	100.0 mm
Width	11.1 mm
Height	4.1 mm
Product weight	305.00 g
Cable cross-section, input side	0.5 mm ²

Colors & materials

Cover material	Silicone
-----------------------	----------

Temperatures & operating conditions

Temperature range in operation at Tc point	-25...80 °C
Ambient temperature range	-25...+50 °C
Temperature range at storage	-30...85 °C

Lifespan

Rated lamp life time	50000 h
Number of switching cycles	30000

Capabilities

Lowest bending radius	50 mm
-----------------------	-------

Certificates & standards

Type of protection	IP66
Energy efficiency class	A+

Logistical data

Commodity code	85395100000
----------------	-------------

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	13-02-2025
Primary Article Identifier	4062172154260
Declaration No. in SCIP database	In work
SCIP_STATUS	In work
SCIP_ID	

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

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.

Download Data

File		
IES data	Compressed	▶ Eulumdat TFP2000TW-IES
Certificates	PDF	▶ TEC Flex TW CE 4228593 210820
Certificates	PDF	▶ TF(P)2000TW ENEC 071020
Brochures	PDF	▶ Light is strong - Discover the versatile and flexible lighting system OSRAM 24V TEC Flex (EN)
Product Datasheet	PDF	▶ TEC Flex Tunable White IP66 product datasheet (EN)
Eulumdat	Compressed	▶ Eulumdat TFP2000TW-LDT
Mandatory Publications	PDF	▶ TEC Flex TW UKCE 4316774 180621
User instruction	PDF	▶ TEC Flex Protect Tunable White, TEC Flex Protect RGB

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 Pieces	280 x 305 x 180 mm	15.37 dm ³	402.40 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 -T45D19H19-300	▶ 4052899448667
TFP2000TW -G1-827.865-05	FX-QMW-G1 -TU26H25W10-300	▶ 4052899448773
TFP2000TW -G1-827.865-05	FX-QMW-G1 -TU26H25-300	▶ 4052899448803
TFP2000TW -G1-827.865-05	FX-QMW-G1 -TK30D46H27-300	▶ 4052899448827
TFP2000TW -G1-827.865-05	FX-QMW-G1 -TU26H25W2-300	▶ 4052899448841
TFP2000TW -G1-827.865-05	FX-QMS-G1 -TU15H6-300	▶ 4052899448865
TFP2000TW -G1-827.865-05	FX-QMS-G1 -TU15H6W3-300	▶ 4052899448889
TFP2000TW -G1-827.865-05	FX-QMS-G1 -TU15H6W3-300	▶ 6937186126702
TFP2000TW -G1-827.865-05	FX-QMS-G1 -TU16H12W3-300	▶ 4052899448988
TFP2000TW -G1-827.865-05	FX-QMS-G1 -TR19H16-300	▶ 4052899449008
TFP2000TW -G1-827.865-05	FX-QMS-G1 -TU16H12-300	▶ 4052899448964
TFP2000TW -G1-827.865-05	FX-QMS-G1 -TU16H12-300	▶ 6937186126740
TFP2000TW -G1-827.865-05	FX -SC08-G2-CT4PJ	▶ 4052899464858
TFP2000TW -G1-827.865-05	FX -SC08-G2--BTJ-IP54	▶ 4052899464919
TFP2000TW -G1-827.865-05	FX -SC08-G2--BTJ-IP54	▶ 4052899568853
TFP2000TW -G1-827.865-05	FX-DCS -G1-GL-25	▶ 4052899452244
TFP2000TW -G1-827.865-05	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.