TF600S-G1 -930-05

TEC Flex Shortpitch 600 | LED modules for semi-professional applications



Product family features

- Flexible and cuttable LED strip
- Luminous flux: up to 600 lm/m
- Available with color temperature: 2,700K, 3,000 K, 4,000 K, 5,000 K or 6,500 K
- Up to 50,000 hrs lifetime @ tc max
- Recommended in system use with OPTOTRONIC
- Color consistency in 3 SDCM

Product family benefits

- High homogeneity thanks to small LED pitch
- 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: IP00
- Dimmable (with suitable PWM dimming methods)

Areas of application

- Shelf lighting for retail, shops, supermarkets
- For use in architectural, shop and interior luminaires
- Offices, corridors and residential interiors
- Architectural Integration – e.g. coves, walls



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Technical data

Electrical data

Nominal voltage	24.0 V
Type of current	DC
Rated wattage	29.50 W
Input voltage range	23…25 V
Accidental reverse input voltage protection up to	25 V

Photometrical data

Color rendering index Ra	90
Total useful luminous flux	3100 lm
Luminous efficacy	105.1 lm/W
Standard deviation of color matching	≤3 sdcm
Light color (designation)	3000 K
Color temperature	3100 K
Rated color temperature	3100 K

Light technical data

Rated beam angle (half peak value)	120.00 °
Starting time	< 0.5 s
Warm-up time (60 %)	< 0.50 s

LED module information

Number of LEDs per meter	140
Number of LEDs per smallest unit	7

Dimensions & weight

Length	5000 mm
Length – smallest unit	50.0 mm
Width	8.00 mm
Height	1.50 mm
Product weight	69.00 g
Cable cross-section, input side	0.5 mm²

Temperatures & operating conditions

Performance temp. acc. to IEC 62717	38 °C
Temperature range in operation at Tc point	-25…80 °C
Ambient temperature range	-25…+50 °C

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Temperature range at storage	-30…85 °C

Lifespan

Rated lamp life time	50000 h
Nominal lamp life time	50000 h
Lumen main.fact.at end of nom.life time	0.70
Number of switching cycles	30000

Additional product data

ID of contained light source	LS_SHZ_601054

Capabilities

Dimmable	Yes
Lowest bending radius	20 mm
Self-adhesive	Yes
With connection set	No
With end piece	No

Certificates & standards

Standards	CE/ENEC/EAC/SASO 2927:2019
Type of protection	IP00
Energy efficiency class of the contained light source	F

Logistical data

Commodity code	940542319000

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	28-01-2022
Primary Article Identifier	4062172250320
Candidate List Substance 1	No declarable substances contained
Declaration No. in SCIP database	No declarable substances contained

Equipment / Accessories

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

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Product datasheet

Download Data

	File
	User instruction TEC Flex IP00
	Product Datasheet TEC Flex Shortpitch IP00 Product Datasheet (EN)
	Brochures Light is strong - Discover the versatile and flexible lighting system OSRAM 24V TEC Flex (EN)
	Certificates TFX ENEC 130520
	Declarations of conformity TECFlex CE 4210017 300420
	Eulumdat TF600S-G1-930 LTD 130122
	IES data TF600S-G1-930 IES 130122

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
4062172250320	TF600S-G1 -930-05	Shipping carton box 10	225 mm x 240 mm x 120 mm	6.48 dm^3	1344.00 g

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Logistical Data

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.

Disclaimer

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