

## TF1500S-G1 -827-05

TEC Flex Shortpitch 1500 | LED modules for semi-professional applications



### Product family features

- Flexible and cuttable LED strip
- Luminous flux: up to 1500 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

- Cove lighting
- 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



## Technical data

### Electrical data

Nominal voltage	24.0 V
Type of current	DC
Nominal wattage per meter	13.2 W
Rated wattage	66.00 W
Input voltage range	23...25 V
Accidental reverse input voltage protection up to	25 V

### Photometrical data

Light color LED	White
Color rendering index Ra	80
Luminous flux per meter	1560 lm
Total useful luminous flux	7800 lm
Luminous efficacy	118.2 lm/W
Standard deviation of color matching	≤3 sdcn
Light color (designation)	White
Color temperature	2740 K
Rated color temperature	2740 K

### Light technical data

Rated beam angle (half peak value)	120.00 °
Starting time	< 0.5 s
Warm-up time (60 %)	0.00 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 mm <sup>2</sup>

Temperatures & operating conditions

Performance temp. acc. to IEC 62717	35 °C
Temperature range in operation at Tc point	-25...80 °C
Ambient temperature range	-20...+50 °C
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

Predecessor EAN	4062172091541
ID of contained light source	LS_SHZ_600340

Capabilities

Dimmable	Yes
Lowest bending radius	20 mm
Self-adhesive	Yes

## Product datasheet

With connection set	No
With end piece	No

### Certificates & standards

Energy consumption	73 kWh/1000h
Standards	CE/ENEC/EAC
Type of protection	IP00
Energy efficiency class of the contained light source	F

### Logistical data

Commodity code	940542319000
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### Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	18-04-2022
Primary Article Identifier	4062172134064
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

### 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
	CAD data DWG TEC Flex and TEC Flex Shortpitch

## Product datasheet

	Eulumdat TF1500S G1 827 LDT 291121
	Eulumdat TF1500S-G1-827 LTD 130122
	IES data TF1500S G1 827 IES 291121
	IES data TF1500S-G1-827 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
4062172134064	TF1500S-G1 -827-05	Shipping carton box 10	225 mm x 240 mm x 120 mm	6.48 dm <sup>3</sup>	1344.00 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
TF1500S-G1 -827-05	CONN-FLEX -2P-050 KIT 10PCS	▶ 4062172179591
TF1500S-G1 -827-05	CONN-FLEX -2P-200 KIT 10PCS	▶ 4062172179614

## Product datasheet

TF1500S-G1 -827-05	CORNER-FLEX -4P-003 KIT 10PCS	▶ 4062172179638
TF1500S-G1 -827-05	CORNER-FLEX -4P-015 KIT 10PCS	▶ 4062172179676
TF1500S-G1 -827-05	LTS-SLIMTRACK -2000 KIT 5 PCS	▶ 4062172207300
TF1500S-G1 -827-05	FX-QMS-G1 -T45D19H19-300	▶ 4052899448667
TF1500S-G1 -827-05	FX-QMW-G1 -TU26H25W10-300	▶ 4052899448773
TF1500S-G1 -827-05	FX-QMW-G1 -TU26H25-300	▶ 4052899448803
TF1500S-G1 -827-05	FX-QMW-G1 -TK30D46H27-300	▶ 4052899448827
TF1500S-G1 -827-05	FX-QMW-G1 -TU26H25W2-300	▶ 4052899448841
TF1500S-G1 -827-05	FX-QMS-G1 -TU15H6-300	▶ 4052899448865
TF1500S-G1 -827-05	FX-QMS-G1 -TU15H6W3-300	▶ 4052899448889
TF1500S-G1 -827-05	FX-QMS-G1 -TU16H12W3-300	▶ 4052899448988
TF1500S-G1 -827-05	FX-QMS-G1 -TR19H16-300	▶ 4052899449008
TF1500S-G1 -827-05	FX-QMS-G1 -TU16H12-300	▶ 4052899448964
TF1500S-G1 -827-05	FX -SC08-G2-CT4PJ	▶ 4052899464858
TF1500S-G1 -827-05	FX-QMS-G1 -TU16H12LS-300	▶ 4052899449046

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### Disclaimer

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