

TF1000-G1 -830-05

TEC Flex 1000 | LED modules for semi-professional applications



Product family features

- Flexible and cuttable LED strip
- Luminous flux: up to 1000 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

- 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

- General lighting
- 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	9.5 W
Rated wattage	47.50 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	1200 lm
Total useful luminous flux	6000 lm
Standard deviation of color matching	≤3 sdc _m
Light color (designation)	White
Color temperature	3080 K

Light technical data

LED pitch	14.29 mm
Starting time	< 0.5 s
Warm-up time (60 %)	0.00 s

LED module information

Number of LEDs per meter	70
Number of LEDs per smallest unit	7

Dimensions & weight



Product datasheet

Length	5000 mm
Length – smallest unit	100.0 mm
Width	8.00 mm
Height	1.50 mm
Product weight	60.00 g
Cable cross-section, input side	0.5 mm ²

Temperatures & operating conditions

Performance temp. acc. to IEC 62717	30 °C
Temperature range in operation at T _c point	-25...80 °C
Ambient temperature range	-25...+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	4052899525917
ID of contained light source [GMS]	LS_SHZ_600307

Capabilities

Lowest bending radius	20 mm
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Certificates & standards

Energy consumption	53 kWh/1000h
Standards	CE/EAC/ENEC
Type of protection	IP00
Energy efficiency class of the contained light source	E

Logistical data

Commodity code	853951000000
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Environmental information

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

Product datasheet

Primary Article Identifier	4062172107143
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 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
 Eulumdat EULUMDAT Tec Flex IP00
 Eulumdat TF1000-G1-830 LTD 130122
 IES data TF1000-G1-830 IES 130122

Product datasheet

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
4062172107143	TF1000-G1 -830-05	Shipping carton box 10	225 mm x 240 mm x 120 mm	6.48 dm ³	1254.00 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
TF1000-G1 -830-05	CONN-FLEX -2P-050 KIT 10PCS	▶ 4062172179591
TF1000-G1 -830-05	CONN-FLEX -2P-200 KIT 10PCS	▶ 4062172179614
TF1000-G1 -830-05	CORNER-FLEX -4P-003 KIT 10PCS	▶ 4062172179638
TF1000-G1 -830-05	CORNER-FLEX -4P-015 KIT 10PCS	▶ 4062172179676
TF1000-G1 -830-05	LTS-SLIMTRACK -2000 KIT 5 PCS	▶ 4062172207300
TF1000-G1 -830-05	FX-QMS-G1 -T45D19H19-300	▶ 4052899448667
TF1000-G1 -830-05	FX-QMW-G1 -TU26H25W10-300	▶ 4052899448773
TF1000-G1 -830-05	FX-QMW-G1 -TU26H25-300	▶ 4052899448803
TF1000-G1 -830-05	FX-QMW-G1 -TK30D46H27-300	▶ 4052899448827
TF1000-G1 -830-05	FX-QMW-G1 -TU26H25W2-300	▶ 4052899448841
TF1000-G1 -830-05	FX-QMS-G1 -TU15H6-300	▶ 4052899448865

Product datasheet

TF1000-G1 -830-05	FX-QMS-G1 -TU15H6W3-300	▶ 4052899448889
TF1000-G1 -830-05	FX-QMS-G1 -TU16H12W3-300	▶ 4052899448988
TF1000-G1 -830-05	FX-QMS-G1 -TR19H16-300	▶ 4052899449008
TF1000-G1 -830-05	FX-QMS-G1 -TU16H12-300	▶ 4052899448964
TF1000-G1 -830-05	FX -SC08-G2-CT4PJ	▶ 4052899464858
TF1000-G1 -830-05	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.