

TFP300-G1 -827-05

TEC Flex Protect 300 | LED modules for semi-professional applications



Areas of application

- For use in architectural, shop and interior luminaires
- Offices, corridors and residential interiors
- Architectural Integration – e.g. coves, walls
- Wet or damp areas

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)

Product family features

- Flexible and cuttable LED strip
- Luminous flux: up to 300 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



Technical data

Electrical data

Nominal voltage	24.0 V
Type of current	DC
Nominal wattage per meter	2.8 W
Rated wattage	14.00 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	340 lm
Total useful luminous flux	1700 lm
Standard deviation of color matching	≤3 sdcn
Light color (designation)	White
Color temperature	2700 K

Light technical data

LED pitch	14.29 mm
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	70
Number of LEDs per smallest unit	7

Dimensions & weight



Length	5000 mm
Length – smallest unit	100.0 mm
Width	11.1 mm
Height	4.10 mm
Product weight	269.00 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 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
Nominal lamp life time	50000 h
Lumen main.fact.at end of nom.life time	0.70
Number of switching cycles	30000

Capabilities

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

Certificates & standards



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Product datasheet

Energy efficiency class	A++
Energy consumption	16 kWh/1000h
Standards	CE/ENEC/EAC
Type of protection	IP66

Logistical data

Commodity code	940540399000
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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 IP66
	Product Datasheet TEC Flex IP66 Product Datasheet (EN)
	Certificates TFX ENEC 130520
	Declarations of conformity TECFlex CE 4210017 300420
	CAD data DWG TEC Flex and TEC Flex Shortpitch

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172106627	TFP300-G1 -827-05	Shipping carton box 10	280 mm x 305 mm x 180 mm	15.37 dm ³	3664.00 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.

Disclaimer

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