

TEC Flex Protect Shortpitch 2000

LED modules for semi-professional applications



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
- Wet or damp areas

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: IP66
- Dimmable (with suitable PWM dimming methods)

Product family features

- Flexible and cuttable LED strip
- Luminous flux: up to 2,000 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 datasheet

Technical data

Electrical data

Product description	Nominal voltage	Type of current	Nominal wattage per meter	Rated wattage	Input voltage range	Accidental reverse input voltage protection up to
TFP2000S-G1 -827-05	24.0 V	DC	15.5 W	77.50 W	23...25 V	25 V
TFP2000S-G1 -830-05	24.0 V	DC	15.5 W	77.50 W	23...25 V	25 V
TFP2000S-G1 -840-05	24.0 V	DC	15.5 W	77.50 W	23...25 V	25 V
TFP2000S-G1 -850-05	24.0 V	DC	15.5 W	77.50 W	23...25 V	25 V
TFP2000S-G1 -865-05	24.0 V	DC	15.5 W	77.50 W	23...25 V	25 V

Photometrical data

Product description	Light color LED	Color rendering index Ra	Luminous flux per meter	Total useful luminous flux	Standard deviation of color matching	Light color (designation)
TFP2000S-G1 -827-05	White	80	1690 lm	8450 lm	≤3 sdc	White
TFP2000S-G1 -830-05	White	80	1910 lm	9550 lm	≤3 sdc	White
TFP2000S-G1 -840-05	White	80	1920 lm	9600 lm	≤3 sdc	White
TFP2000S-G1 -850-05	White	80	1960 lm	9800 lm	≤3 sdc	White
TFP2000S-G1 -865-05	White	80	1940 lm	9700 lm	≤3 sdc	White

Light technical data

Product description	LED pitch	Rated beam angle (half peak value)	Starting time	Warm-up time (60 %)
TFP2000S-G1 -827-05	7.14 mm	120.00 °	< 0.5 s	0.00 s
TFP2000S-G1 -830-05	7.14 mm	120.00 °	< 0.5 s	0.00 s
TFP2000S-G1 -840-05	7.14 mm	120.00 °	< 0.5 s	0.00 s
TFP2000S-G1 -850-05	7.14 mm	120.00 °	< 0.5 s	0.00 s
TFP2000S-G1 -865-05	7.14 mm	120.00 °	< 0.5 s	0.00 s

Product family datasheet

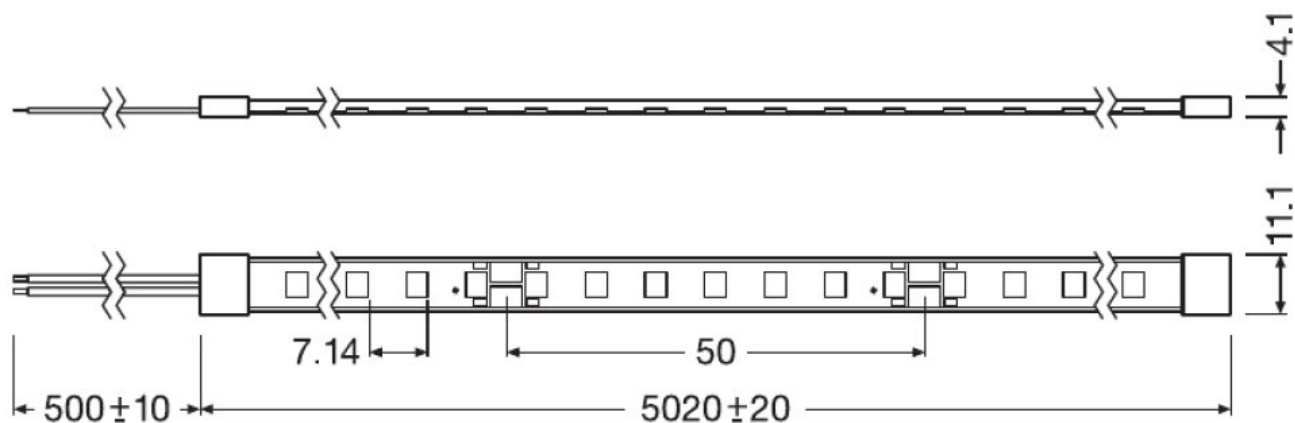
LED module information

Product description	Number of LEDs per meter	Number of LEDs per smallest unit
TFP2000S-G1 -827-05	140	7
TFP2000S-G1 -830-05	140	7
TFP2000S-G1 -840-05	140	7
TFP2000S-G1 -850-05	140	7
TFP2000S-G1 -865-05	140	7

Dimensions & weight

Product description	Length	Length – smallest unit	Height	Product weight
TFP2000S-G1 -827-05	5000 mm	50.0 mm	8.00 mm	278.00 g
TFP2000S-G1 -830-05	5000 mm	50.0 mm	8.00 mm	278.00 g
TFP2000S-G1 -840-05	5000 mm	50.0 mm	8.00 mm	278.00 g
TFP2000S-G1 -850-05	5000 mm	50.0 mm	8.00 mm	278.00 g
TFP2000S-G1 -865-05	5000 mm	50.0 mm	8.00 mm	278.00 g

Product line drawing



TFP2000S-G1 -827-05, TFP2000S-G1 -830-05, TFP2000S-G1 -840-05, TFP2000S-G1 -850-05, TFP2000S-G1 -865-05

Product family datasheet

Temperatures & operating conditions

Product description	Performance temp. acc. to IEC 62717	Temperature range in operation at Tc point	Ambient temperature range	Temperature range at storage
TFP2000S-G1 -827-05	35 °C	-25...80 °C	-25...+50 °C	-30...85 °C
TFP2000S-G1 -830-05	35 °C	-25...80 °C	-25...+50 °C	-30...85 °C
TFP2000S-G1 -840-05	35 °C	-25...80 °C	-25...+50 °C	-30...85 °C
TFP2000S-G1 -850-05	35 °C	-25...80 °C	-25...+50 °C	-30...85 °C
TFP2000S-G1 -865-05	35 °C	-25...80 °C	-25...+50 °C	-30...85 °C

Lifespan

Product description	Rated lamp life time	Nominal lamp life time	Lumen main. fact. at end of nom. life time	Number of switching cycles
TFP2000S-G1 -827-05	50000 h	50000 h	0.70	30000
TFP2000S-G1 -830-05	50000 h	50000 h	0.70	30000
TFP2000S-G1 -840-05	50000 h	50000 h	0.70	30000
TFP2000S-G1 -850-05	50000 h	50000 h	0.70	30000
TFP2000S-G1 -865-05	50000 h	50000 h	0.70	30000

Capabilities

Product description	Dimmable	Lowest bending radius	Self-adhesive
TFP2000S-G1 -827-05	Yes	50 mm	Yes
TFP2000S-G1 -830-05	Yes	50 mm	Yes
TFP2000S-G1 -840-05	Yes	50 mm	Yes
TFP2000S-G1 -850-05	Yes	50 mm	Yes
TFP2000S-G1 -865-05	Yes	50 mm	Yes

Product description	With connection set	With end piece
TFP2000S-G1 -827-05	No	Yes
TFP2000S-G1 -830-05	No	Yes
TFP2000S-G1 -840-05	No	Yes
TFP2000S-G1 -850-05	No	Yes
TFP2000S-G1 -865-05	No	Yes

Product family datasheet

Certificates & standards

Product description	Energy efficiency class	Energy consumption	Standards	Type of protection
TFP2000S-G1 -827-05	A+	86 kWh/1000h	CE/ENEC/EAC	IP66
TFP2000S-G1 -830-05	A+	86 kWh/1000h	CE/ENEC/EAC	IP66
TFP2000S-G1 -840-05	A+	86 kWh/1000h	CE/ENEC/EAC	IP66
TFP2000S-G1 -850-05	A+	86 kWh/1000h	CE/ENEC/EAC	IP66
TFP2000S-G1 -865-05	A+	86 kWh/1000h	CE/ENEC/EAC	IP66

Logistical data

Product description	Commodity code
TFP2000S-G1 -827-05	940540399000
TFP2000S-G1 -830-05	940540399000
TFP2000S-G1 -840-05	940540399000
TFP2000S-G1 -850-05	940540399000
TFP2000S-G1 -865-05	940540399000

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




Application advice

For more detailed application information and graphics please see product datasheet.
Attention: Only compatible for devices up to ANDROID 9

Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

File
 User instruction TEC Flex IP66
 Certificates TFX ENEC 130520
 Declarations of conformity TECFlex CE 4210017 300420

Product family datasheet



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
4062172134576	TFP2000S-G1 -827-05	Shipping carton box 10	280 mm x 305 mm x 180 mm	15.37 dm ³	3754.00 g
4062172134590	TFP2000S-G1 -830-05	Shipping carton box 10	280 mm x 305 mm x 180 mm	15.37 dm ³	3754.00 g
4062172134613	TFP2000S-G1 -840-05	Shipping carton box 10	280 mm x 305 mm x 180 mm	15.37 dm ³	3754.00 g
4062172134637	TFP2000S-G1 -850-05	Shipping carton box 10	280 mm x 305 mm x 180 mm	15.37 dm ³	3754.00 g
4062172134651	TFP2000S-G1 -865-05	Shipping carton box 10	280 mm x 305 mm x 180 mm	15.37 dm ³	3754.00 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
TFP2000S-G1 -827-05	FX -SC08-G2-CT4PJ	▶ 4052899464858
TFP2000S-G1 -827-05	FX -SC08-G2-C2PF-IP54-0500	▶ 4052899464889
TFP2000S-G1 -827-05	FX -SC08-G2--BTJ-IP54	▶ 4052899568853
TFP2000S-G1 -830-05	FX -SC08-G2-CT4PJ	▶ 4052899464858
TFP2000S-G1 -830-05	FX -SC08-G2-C2PF-IP54-0500	▶ 4052899464889
TFP2000S-G1 -830-05	FX -SC08-G2--BTJ-IP54	▶ 4052899568853
TFP2000S-G1 -840-05	FX -SC08-G2-CT4PJ	▶ 4052899464858
TFP2000S-G1 -840-05	FX -SC08-G2-C2PF-IP54-0500	▶ 4052899464889
TFP2000S-G1 -840-05	FX -SC08-G2--BTJ-IP54	▶ 4052899568853
TFP2000S-G1 -850-05	FX -SC08-G2-CT4PJ	▶ 4052899464858
TFP2000S-G1 -850-05	FX -SC08-G2-C2PF-IP54-0500	▶ 4052899464889
TFP2000S-G1 -850-05	FX -SC08-G2--BTJ-IP54	▶ 4052899568853
TFP2000S-G1 -865-05	FX -SC08-G2-CT4PJ	▶ 4052899464858
TFP2000S-G1 -865-05	FX -SC08-G2-C2PF-IP54-0500	▶ 4052899464889
TFP2000S-G1 -865-05	FX -SC08-G2--BTJ-IP54	▶ 4052899568853

Product family datasheet

Disclaimer

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