

## TFP2000S-G1 -840-05

TEC Flex Protect Shortpitch 2000 | LED modules for semi-professional applications



### 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 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)

### 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



## Technical data

### Electrical data

|   |           |
|---|-----------|
| Nominal voltage                                   | 24.0 V    |
| Type of current                                   | DC        |
| Nominal wattage per meter                         | 15.5 W    |
| Rated wattage                                     | 77.50 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              | 1920 lm    |
| Total useful luminous flux           | 9600 lm    |
| Luminous efficacy                    | 123.9 lm/W |
| Standard deviation of color matching | ≤3 sdcn    |
| Light color (designation)            | White      |
| Color temperature                    | 4000 K     |
| Rated color temperature              | 4000 K     |

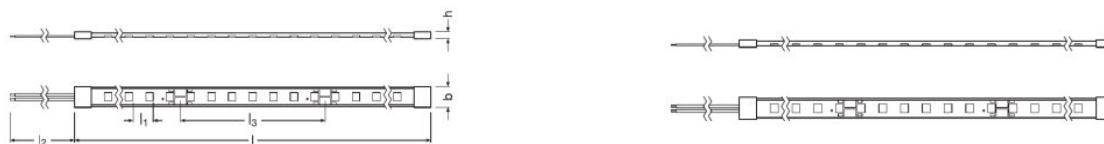
### Light technical data

|                                    |          |
|------------------------------------|----------|
| LED pitch                          | 7.14 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         | 140 |
| Number of LEDs per smallest unit | 7   |

## Dimensions & weight



|  |                     |
|--|---------------------|
| <b>Length</b>                          | 5000 mm             |
| <b>Length – smallest unit</b>          | 50.0 mm             |
| <b>Height</b>                          | 4.10 mm             |
| <b>Product weight</b>                  | 278.00 g            |
| <b>Cable cross-section, input side</b> | 0.5 mm <sup>2</sup> |
| <b>Width</b>                           | 11.1 mm             |

## Temperatures & operating conditions

|   |              |
|---|--------------|
| <b>Performance temp. acc. to IEC 62717</b>        | 35 °C        |
| <b>Temperature range in operation at Tc point</b> | -25...80 °C  |
| <b>Ambient temperature range</b>                  | -25...+50 °C |
| <b>Temperature range at storage</b>               | -30...85 °C  |

## Lifespan

|  |         |
|--|---------|
| <b>Rated lamp life time</b>                    | 50000 h |
| <b>Nominal lamp life time</b>                  | 50000 h |
| <b>Lumen main.fact.at end of nom.life time</b> | 0.70    |
| <b>Number of switching cycles</b>              | 30000   |

## Additional product data

|                                     |               |
|-------------------------------------|---------------|
| <b>Predecessor EAN</b>              | 4062172091466 |
| <b>ID of contained light source</b> | LS_SHZ_600364 |

## Capabilities

|                              |       |
|------------------------------|-------|
| <b>Dimmable</b>              | Yes   |
| <b>Lowest bending radius</b> | 50 mm |
| <b>Self-adhesive</b>         | Yes   |

## Product datasheet

|                     |     |
|---------------------|-----|
| With connection set | No  |
| With end piece      | Yes |

### Certificates & standards

|   |              |
|---|--------------|
| Energy consumption                                    | 86 kWh/1000h |
| Standards   | CE/ENEC/EAC  |
| Type of protection                                    | IP66         |
| Energy efficiency class of the contained light source | E            |

### Logistical data

|                |              |
|----------------|--------------|
| Commodity code | 940542319000 |
|----------------|--------------|







### Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                                    |
|---|------------------------------------|
| Date of Declaration   | 13-05-2022                         |
| Primary Article Identifier  | 4062172134613                      |
| 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<br>TEC Flex IP66  |
|  | Product Datasheet<br>TEC Flex Shortpitch IP66 Product Datasheet (EN)                                       |
|  | Brochures<br>Light is strong - Discover the versatile and flexible lighting system OSRAM 24V TEC Flex (EN) |
|  | Certificates<br>TFX ENEC 130520  |
|  | Declarations of conformity<br>TECFlex CE 4210017 300420  |
|  | CAD data<br>DWG TEC Flex and TEC Flex Shortpitch   |

## Product datasheet

|   |  |
|---|--|
|  | Eulumdat<br>TFP2000S G1 840 LDT 291121 |
|  | Eulumdat<br>TFP2000S-G1-840 LTD 130122 |
|  | IES data<br>TFP2000S G1 840 IES 291121 |
|  | IES data<br>TFP2000S-G1-840 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 |
|---------------|---------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4062172134613 | TFP2000S-G1 -840-05 | Shipping carton box<br>10    | 280 mm x 305 mm x 180 mm             | 15.37 dm <sup>3</sup> | 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 -840-05 | ENDCAP -IP67 KIT 10PCS        | ▶ 4062172176552 |
| TFP2000S-G1 -840-05 | LTS-SLIMTRACK -2000 KIT 5 PCS | ▶ 4062172207300 |

## Product datasheet

|                     |                            |                 |
|---------------------|----------------------------|-----------------|
| TFP2000S-G1 -840-05 | FX-QMS-G1 -T45D19H19-300   | ▶ 4052899448667 |
| TFP2000S-G1 -840-05 | FX-QMW-G1 -TU26H25W10-300  | ▶ 4052899448773 |
| TFP2000S-G1 -840-05 | FX-QMW-G1 -TU26H25-300     | ▶ 4052899448803 |
| TFP2000S-G1 -840-05 | FX-QMW-G1 -TK30D46H27-300  | ▶ 4052899448827 |
| TFP2000S-G1 -840-05 | FX-QMW-G1 -TU26H25W2-300   | ▶ 4052899448841 |
| TFP2000S-G1 -840-05 | FX-QMS-G1 -TU15H6-300      | ▶ 4052899448865 |
| TFP2000S-G1 -840-05 | FX-QMS-G1 -TU15H6W3-300    | ▶ 4052899448889 |
| TFP2000S-G1 -840-05 | FX-QMS-G1 -TU16H12W3-300   | ▶ 4052899448988 |
| TFP2000S-G1 -840-05 | FX-QMS-G1 -TR19H16-300     | ▶ 4052899449008 |
| TFP2000S-G1 -840-05 | FX-QMS-G1 -TU16H12-300     | ▶ 4052899448964 |
| 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 -840-05 | FX-DCS -G1-GL-25           | ▶ 4052899452244 |
| TFP2000S-G1 -840-05 | 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.