

VFP1000 -G3-830-05

VALUE Flex Protect 1000 | Linear LED modules for flexible and individualized lighting solutions



Areas of application

- Wet or damp areas
- General illumination
- Hospitality
- Display cabinet lighting
- Signage
- Architecture lighting
- Wall integration
- Suitable for outdoor use

Product family benefits

- Energy saving low-power flexible LED strip
- Pre-wired LED strip, simple and quick plug-and-play installation
- Good light output due to homogeneous LED distance and high color consistency
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- Easy installation with optional track system
- Protection against the ingress of water according to IP66
- Multi-cutable LED strip with SLIMCONNECT system G2



Product datasheet

Product family features

- Available with light color: Warm White, Cool White
- Luminous flux: up to 950 lm/m
- Type of protection: IP66
- High color consistency: 4 SDCM
- Beam angle per module: 120°
- Dimmable with suitable OPTOTRONIC control gears

Technical data

Electrical data

| | |
|---|-----------|
| Nominal voltage | 24.0 V |
| Type of current | DC |
| Nominal wattage per meter | 7.6 W |
| Rated wattage | 38.00 W |
| Input voltage range | 23...25 V |
| Accidental reverse input voltage protection up to | 25 V |

Photometrical data

| | |
|--------------------------------------|---------------------|
| Light color LED | White |
| Color temperature | 3000 K |
| Color rendering index Ra | >80 |
| Luminous flux per meter | 900 lm |
| Total useful luminous flux | 4500 lm |
| Luminous efficacy | 118 lm/W |
| Standard deviation of color matching | ≤4 sdc _m |
| Light color (designation) | White |

Light technical data

| | |
|------------------------------------|----------|
| LED pitch | 14.28 mm |
| Beam angle | 120 ° |
| Rated beam angle (half peak value) | 120.00 ° |
| Starting time | < 0.5 s |
| Warm-up time (60 %) | < 0.50 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 | 11.0 mm |
| Height | 4.0 mm |
| Cable length | 500.0 mm |
| Product weight | 380.00 g |
| Cable cross-section, input side | 20AWG(0.519mm ²) mm ² |

Temperatures & operating conditions

| | |
|---|----------------------------|
| Performance temp. acc. to IEC 62717 | 40 °C |
| Temperature range in operation at Tc point | -25...75 °C ¹⁾ |
| Ambient temperature range | -25...+55 °C ²⁾ |
| Temperature range at storage | -30...85 °C |

¹⁾ Exceeding the maximum ratings will reduce expected life time or destroy the LED strip.

²⁾ Rated ambient temp. 25°C/Providing that temperature at Tc point is below max value during operation/Temperature ramping for environmental testing acc. to IEC 62717, 1K/min

Lifespan

| | |
|--|---------|
| Rated lamp life time | 35000 h |
| Nominal lamp life time | 35000 h |
| Lumen main.fact.at end of nom.life time | 0.70 |
| Number of switching cycles | 15000 |

Additional product data

Product datasheet

| | |
|-----------------------|--|
| Product remark | Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information (see www.osram.com/led-systems)/All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values |
|-----------------------|--|

Capabilities

| | |
|------------------------------|-------|
| Dimmable | Yes |
| Lowest bending radius | 50 mm |
| Self-adhesive | Yes |
| With connection set | Yes |
| With end piece | Yes |

Certificates & standards

| | |
|--------------------------------|--|
| Energy efficiency class | A+ ¹⁾ |
| Energy consumption | 43 kWh/1000h |
| Standards | Acc. to IEC 62471/Acc. to IEC 60598-1/Acc. to EN 60529/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/CE |
| Type of protection | IP66 |

¹⁾ Applicable to tested length of 1000 mm



Logistical data

| | |
|-----------------------|--------------|
| Commodity code | 940540399000 |
|-----------------------|--------------|





Equipment / Accessories

- SLIMCONNECT system G2
- Optional Track system
- ELEMENT LED drivers
- OPTOTRONIC LED drivers

Download Data

| File | |
|---|---|
|  | User instruction VALUE Flex Protect G3 |
|  | User instruction VALUE Flex combination with OSRAM LED drivers |

Product datasheet

| | |
|---|---|
|  | Certificates EAC Certificate |
|  | Certificates Manufacturers Declaration for Value Flex Family |
|  | Declarations of conformity EU Declaration of Conformity VF and VFP |
|  | Eulumdat Eulumdat VFP1000-G3-830-05 |

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|---------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4052899526235 | VFP1000 -G3-830-05 | Shipping carton box 10 | 315 mm x 290 mm x 293 mm | 26.77 dm ³ | 5628.00 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.