

VALUE Flex Protect 2400S

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 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 features

- Available with light color: Warm White, Cool White
- Luminous flux: up to 2300 lm/m
- Type of protection: IP66
- High color consistency: 4 SDCM
- Beam angle per module: 120°
- Dimmable with suitable OPTOTRONIC control gears



Product family datasheet

Technical data

Electrical data

| Product description | Nominal voltage | Rated wattage | Nominal wattage per meter | Reverse Voltage | Input voltage range |
|-----------------------------------|-----------------|---------------|---------------------------|-----------------|---------------------|
| VFP2400S -G3-827-03 ¹⁾ | 24.0 V | 60.00 W | 20.0 W | 25 V | 23...25 V |
| VFP2400S -G3-830-03 ¹⁾ | 24.0 V | 60.00 W | 20.0 W | 25 V | 23...25 V |
| VFP2400S -G3-840-03 ¹⁾ | 24.0 V | 60.00 W | 20.0 W | 25 V | 23...25 V |
| VFP2400S -G3-865-03 ¹⁾ | 24.0 V | 60.00 W | 20.0 W | 25 V | 23...25 V |

¹⁾ 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

Photometrical data

| Product description | Color temperature | Light color (designation) | Light color LED | Luminous flux per meter | Luminous flux | Luminous efficacy |
|-----------------------------------|-------------------|---------------------------|-----------------|-------------------------|---------------|-------------------|
| VFP2400S -G3-827-03 ¹⁾ | 2700 K | White | White | 2100 lm | 6300 lm | 105 lm/W |
| VFP2400S -G3-830-03 ¹⁾ | 3000 K | White | White | 2200 lm | 6600 lm | 110 lm/W |
| VFP2400S -G3-840-03 ¹⁾ | 4000 K | White | White | 2300 lm | 6900 lm | 115 lm/W |
| VFP2400S -G3-865-03 ¹⁾ | 6500 K | White | White | 2300 lm | 6900 lm | 115 lm/W |

| Product description | Color rendering index Ra |
|-----------------------------------|--------------------------|
| VFP2400S -G3-827-03 ¹⁾ | >80 |
| VFP2400S -G3-830-03 ¹⁾ | >80 |
| VFP2400S -G3-840-03 ¹⁾ | >80 |
| VFP2400S -G3-865-03 ¹⁾ | >80 |

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Light technical data

| Product description | Beam angle |
|-----------------------------------|------------|
| VFP2400S -G3-827-03 ¹⁾ | 120 ° |
| VFP2400S -G3-830-03 ¹⁾ | 120 ° |
| VFP2400S -G3-840-03 ¹⁾ | 120 ° |
| VFP2400S -G3-865-03 ¹⁾ | 120 ° |

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Product family datasheet

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LED module information

| Product description | Number of LEDs per module | Number of LEDs per meter |
|-----------------------------------|---------------------------|--------------------------|
| VFP2400S -G3-827-03 ¹⁾ | 350 | 116 |
| VFP2400S -G3-830-03 ¹⁾ | 350 | 116 |
| VFP2400S -G3-840-03 ¹⁾ | 350 | 116 |
| VFP2400S -G3-865-03 ¹⁾ | 350 | 116 |

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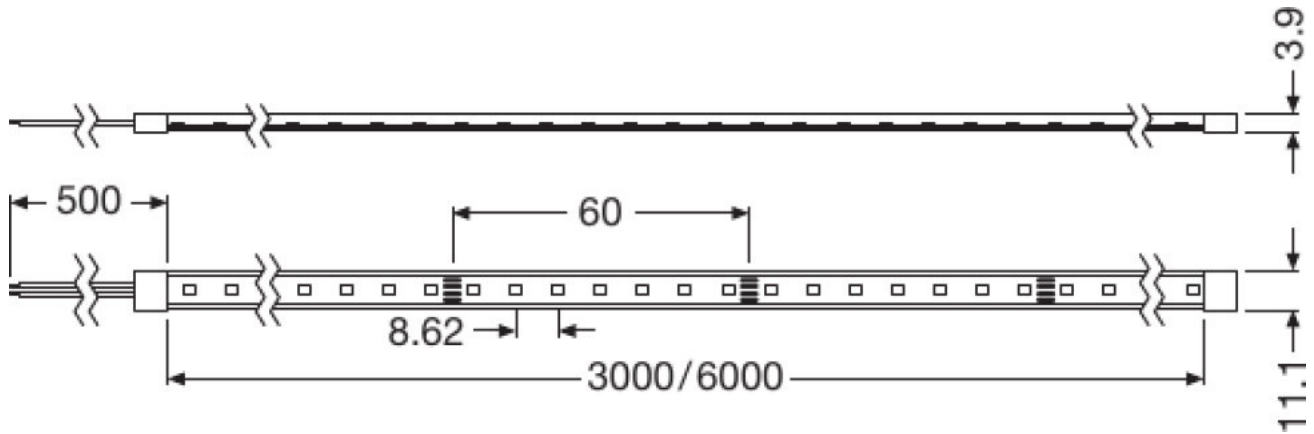
Dimensions & weight

| Product description | Length | Width | Height | Product weight |
|-----------------------------------|---------|---------|--------|----------------|
| VFP2400S -G3-827-03 ¹⁾ | 3000 mm | 11.0 mm | 4.0 mm | 243.00 g |
| VFP2400S -G3-830-03 ¹⁾ | 3000 mm | 11.0 mm | 4.0 mm | 243.00 g |
| VFP2400S -G3-840-03 ¹⁾ | 3000 mm | 11.0 mm | 4.0 mm | 243.00 g |
| VFP2400S -G3-865-03 ¹⁾ | 3000 mm | 11.0 mm | 4.0 mm | 243.00 g |

¹⁾ 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

Product family datasheet

Product line drawing



VFP2400S -G3-827-03, VFP2400S -G3-830-03, VFP2400S -G3-840-03, VFP2400S -G3-865-03

Temperatures & operating conditions

| Product description | Temperature range in operation |
|-----------------------------------|--------------------------------|
| VFP2400S -G3-827-03 ¹⁾ | -10...70 °C |
| VFP2400S -G3-830-03 ¹⁾ | -10...70 °C |
| VFP2400S -G3-840-03 ¹⁾ | -10...70 °C |
| VFP2400S -G3-865-03 ¹⁾ | -10...70 °C |

¹⁾ 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

| Product description | Dimmable |
|-----------------------------------|----------|
| VFP2400S -G3-827-03 ¹⁾ | Yes |
| VFP2400S -G3-830-03 ¹⁾ | Yes |
| VFP2400S -G3-840-03 ¹⁾ | Yes |
| VFP2400S -G3-865-03 ¹⁾ | Yes |

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Product family datasheet

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Certificates & standards

| Product description | Energy efficiency class | Standards |
|-----------------------------------|-------------------------|--|
| VFP2400S -G3-827-03 ¹⁾ | A+ ²⁾ | CE/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 |
| VFP2400S -G3-830-03 ¹⁾ | A+ ²⁾ | CE/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 |
| VFP2400S -G3-840-03 ¹⁾ | A+ ²⁾ | CE/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 |
| VFP2400S -G3-865-03 ¹⁾ | A+ ²⁾ | CE/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 |

¹⁾ 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

²⁾ Applicable on smallest operable unit

Logistical data

| Product description | Temperature range at storage |
|-----------------------------------|------------------------------|
| VFP2400S -G3-827-03 ¹⁾ | -30...85 °C |
| VFP2400S -G3-830-03 ¹⁾ | -30...85 °C |
| VFP2400S -G3-840-03 ¹⁾ | -30...85 °C |
| VFP2400S -G3-865-03 ¹⁾ | -30...85 °C |

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Equipment / Accessories

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

Application advice



For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

Product family datasheet

Sales and Technical Support www.osram.com

Download Data

| File |
|---|
|  Certificates Manufacturers Declaration for Value Flex Family |
|  Declarations of conformity EU Declaration of Conformity VF and VFP |

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|---------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4052899528543 | VFP2400S -G3-827-03 | Shipping carton box 10 | 250 mm x - x - | 17.21 dm ³ | 3777.00 g |
| 4052899528567 | VFP2400S -G3-830-03 | Shipping carton box 10 | 250 mm x - x - | 17.21 dm ³ | 3777.00 g |
| 4052899528581 | VFP2400S -G3-840-03 | Shipping carton box 10 | 250 mm x - x - | 17.21 dm ³ | 3777.00 g |
| 4052899528604 | VFP2400S -G3-865-03 | Shipping carton box 10 | 250 mm x - x - | 17.21 dm ³ | 3777.00 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.