

VALUE Flex 600

LED modules for semi-professional applications



Areas of application

- Hospitality
- Display cabinet lighting
- Signage
- Architecture lighting
- Cove lighting
- Wall integration

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
- Easy to cut and reconnect to the reliable SLIMCONNECT system G2

Product features

- Available with light color: Warm White, Cool White
- Luminous flux: up to 690 lm/m
- High color consistency: 4 SDCM
- Self-cooling
- Beam angle per module: 120°
- Dimmable with suitable OPTOTRONIC control gears
- Type of protection: IP20



Product family datasheet

Technical data

Electrical data

| Product description | Nominal voltage | Rated wattage | Nominal wattage per meter | Reverse Voltage | Input voltage range |
|--------------------------------|-----------------|---------------|---------------------------|-----------------|---------------------|
| VF600 -G3-827-05 ¹⁾ | 24.0 V | 23.00 W | 4.6 W | 25 V | 23...25 V |
| VF600 -G3-830-05 ¹⁾ | 24.0 V | 23.00 W | 4.6 W | 25 V | 23...25 V |
| VF600 -G3-840-05 ¹⁾ | 24.0 V | 23.00 W | 4.6 W | 25 V | 23...25 V |
| VF600 -G3-865-05 ¹⁾ | 24.0 V | 23.00 W | 4.6 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 |
|--------------------------------|-------------------|---------------------------|-----------------|-------------------------|---------------|-------------------|
| VF600 -G3-827-05 ¹⁾ | 2700 K | White | White | 620 lm | 3100 lm | 135 lm/W |
| VF600 -G3-830-05 ¹⁾ | 3000 K | White | White | 655 lm | 3275 lm | 142 lm/W |
| VF600 -G3-840-05 ¹⁾ | 4000 K | White | White | 690 lm | 3450 lm | 150 lm/W |
| VF600 -G3-865-05 ¹⁾ | 6500 K | White | White | 690 lm | 3450 lm | 150 lm/W |

| Product description | Color rendering index Ra |
|--------------------------------|--------------------------|
| VF600 -G3-827-05 ¹⁾ | >80 |
| VF600 -G3-830-05 ¹⁾ | >80 |
| VF600 -G3-840-05 ¹⁾ | >80 |
| VF600 -G3-865-05 ¹⁾ | >80 |

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Light technical data

| Product description | Beam angle |
|--------------------------------|------------|
| VF600 -G3-827-05 ¹⁾ | 120 ° |
| VF600 -G3-830-05 ¹⁾ | 120 ° |
| VF600 -G3-840-05 ¹⁾ | 120 ° |
| VF600 -G3-865-05 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 |
|--------------------------------|---------------------------|--------------------------|
| VF600 -G3-827-05 ¹⁾ | 350 | 70 |
| VF600 -G3-830-05 ¹⁾ | 350 | 70 |
| VF600 -G3-840-05 ¹⁾ | 350 | 70 |
| VF600 -G3-865-05 ¹⁾ | 350 | 70 |

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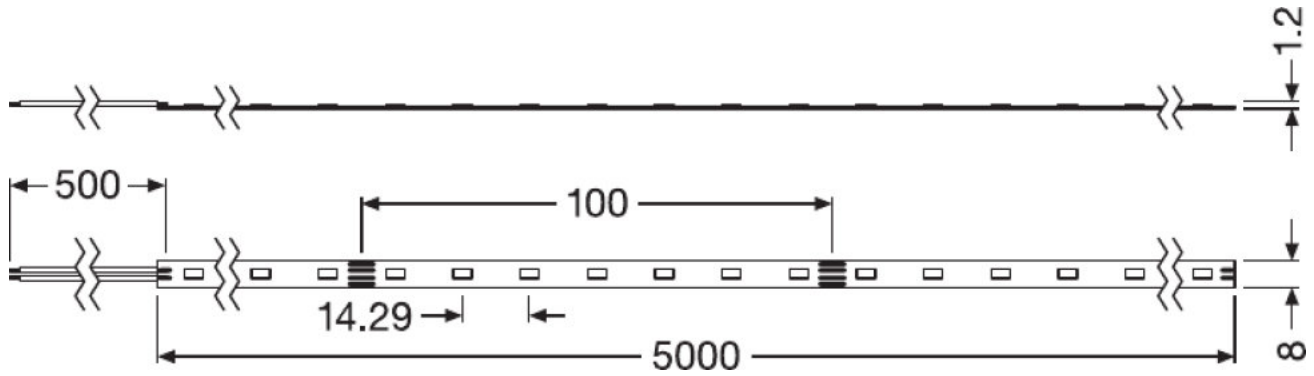
Dimensions & weight

| Product description | Length | Width | Height | Product weight |
|--------------------------------|---------|--------|--------|----------------|
| VF600 -G3-827-05 ¹⁾ | 5000 mm | 8.0 mm | 1.5 mm | 90.00 g |
| VF600 -G3-830-05 ¹⁾ | 5000 mm | 8.0 mm | 1.5 mm | 90.00 g |
| VF600 -G3-840-05 ¹⁾ | 5000 mm | 8.0 mm | 1.5 mm | 90.00 g |
| VF600 -G3-865-05 ¹⁾ | 5000 mm | 8.0 mm | 1.5 mm | 90.00 g |

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Product family datasheet

Product line drawing



VF600 -G3-827-05, VF600 -G3-830-05, VF600 -G3-840-05, VF600 -G3-865-05

Temperatures & operating conditions

| Product description | Temperature range in operation |
|--------------------------------|--------------------------------|
| VF600 -G3-827-05 ¹⁾ | -10...70 °C |
| VF600 -G3-830-05 ¹⁾ | -10...70 °C |
| VF600 -G3-840-05 ¹⁾ | -10...70 °C |
| VF600 -G3-865-05 ¹⁾ | -10...70 °C |

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Capabilities

| Product description | Dimmable |
|--------------------------------|----------|
| VF600 -G3-827-05 ¹⁾ | Yes |
| VF600 -G3-830-05 ¹⁾ | Yes |
| VF600 -G3-840-05 ¹⁾ | Yes |
| VF600 -G3-865-05 ¹⁾ | Yes |

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

Product family datasheet

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Certificates & standards

| Product description | Energy efficiency class | Standards |
|--------------------------------|-------------------------|--|
| VF600 -G3-827-05 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 |
| VF600 -G3-830-05 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 |
| VF600 -G3-840-05 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 |
| VF600 -G3-865-05 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 |
|--------------------------------|------------------------------|
| VF600 -G3-827-05 ¹⁾ | -30...85 °C |
| VF600 -G3-830-05 ¹⁾ | -30...85 °C |
| VF600 -G3-840-05 ¹⁾ | -30...85 °C |
| VF600 -G3-865-05 ¹⁾ | -30...85 °C |

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Equipment / Accessories

- SLIMCONNECTsystem FLEX IP54 connector
- 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 |
|---------------|---------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4052899525979 | VF600 -G3-827-05 | Shipping carton box 10 | 250 mm x 235 mm x 293 mm | 17.21 dm ³ | 2217.00 g |
| 4052899525993 | VF600 -G3-830-05 | Shipping carton box 10 | 250 mm x 235 mm x 293 mm | 17.21 dm ³ | 2217.00 g |
| 4052899526013 | VF600 -G3-840-05 | Shipping carton box 10 | 250 mm x 235 mm x 293 mm | 17.21 dm ³ | 2217.00 g |
| 4052899526037 | VF600 -G3-865-05 | Shipping carton box 10 | 250 mm x 235 mm x 293 mm | 17.21 dm ³ | 2217.00 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.