

PRODUCT DATASHEET

VF600 -G3-827-05

VALUE Flex 600 | LED modules for semi-professional applications



AREAS OF APPLICATION

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

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
- Easy to cut and reconnect to the reliable SLIMCONNECT system

PRODUCT FAMILY 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

TECHNICAL DATA

Electrical data

| | |
|----------------------------------|-----------|
| Rated wattage | 23.00 W |
| Nominal wattage | 23.00 W |
| Nominal wattage per meter | 4.6 W |
| Nominal voltage | 24 V |
| Input voltage range | 23...25 V |
| Reverse Voltage | 25 V |
| Type of current | DC |

Photometrical data

| | |
|---|---------------------|
| Color temperature | 2700 K |
| Standard deviation of color matching | ≤4 sdc _m |
| Color rendering index Ra | >80 |
| Light color (designation) | White |
| Light color LED | White |
| Luminous flux per meter | 620 lm |
| Luminous flux | 3100 lm |
| Luminous efficacy | 135 lm/W |

Light technical data

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|-------------------|-------|
| Beam angle | 120 ° |
|-------------------|-------|

LED module information

| | |
|---|-----|
| Number of LEDs per meter | 70 |
| Number of LEDs per module | 350 |
| Number of LEDs per smallest unit | 7 |

Dimensions & weight



| | |
|-------------------------------|----------|
| LED pitch | 14.28 mm |
| Length | 5000 mm |
| Length – smallest unit | 100.0 mm |
| Width | 8.0 mm |
| Height | 1.50 mm |
| Cable length | 500 mm |
| Product weight | 90.00 g |

Temperatures & operating conditions

| | |
|--|---------------------------|
| Ambient temperature range | -25...+55 °C |
| Temperature range in operation | -25...75 °C ¹⁾ |
| Performance temp. acc. to IEC 62717 | 40 °C |

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

Lifespan

| | |
|-----------------------------------|---------|
| Rated lamp life time | 35000 h |
| Lifespan | 35000 h |
| Number of switching cycles | 15000 |

Additional product data

| | |
|-----------------------|---|
| 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

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

Certificates & standards

| | |
|--------------------------------|--|
| Energy consumption | 6 kWh/1000h |
| Energy efficiency class | A++ |
| Type of protection | IP20 |
| Standards | 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 |







Logistical data

| | |
|-------------------------------------|-------------|
| Temperature range at storage | -30...85 °C |
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EQUIPMENT / ACCESSORIES

- SLIMCONNECT system FLEX IP54 connector
- Optional Track system
- ELEMENT LED drivers
- OPTOTRONIC LED drivers

DOWNLOAD DATA

| File | |
|---|---|
|  | User instruction VALUE Flex |
|  | User instruction VALUE Flex (VF) VALUE Flex Protect (VFP) |
|  | Certificates EAC Certificate |
|  | Certificates Manufacturers Declaration for Value Flex Family |
|  | Declarations of conformity EU Declaration of Conformity VF and VFP |
|  | Eulumdat Eulumdat VF600-G3-827-05 |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4052899525986 | Shipping carton box 10 | 250 mm x 235 mm x 293 mm | 2169.00 g | 17.21 dm ³ |

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|--------------|------------------------------|--------------------------------------|--------------|--------|
|--------------|------------------------------|--------------------------------------|--------------|--------|

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.