

## VALUE Flex Protect 600

Linear LED modules for flexible and individualized lighting solutions



### Areas of application

- Wet or damp areas
- 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 655 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	Type of current	Nominal wattage per meter	Rated wattage	Input voltage range	Reverse Voltage
VFP600 -G3-827-05 <sup>1)</sup>	24.0 V	DC	4.6 W	23.00 W	23...25 V	25 V
VFP600 -G3-830-05 <sup>1)</sup>	24.0 V	DC	4.6 W	23.00 W	23...25 V	25 V
VFP600 -G3-840-05 <sup>1)</sup>	24.0 V	DC	4.6 W	23.00 W	23...25 V	25 V
VFP600 -G3-865-05 <sup>1)</sup>	24.0 V	DC	4.6 W	23.00 W	23...25 V	25 V

<sup>1)</sup> See product remark

#### Photometrical data

Product description	Light color LED	Color temperature	Color rendering index Ra	Luminous flux per meter	Luminous efficacy	Light color (designation)
VFP600 -G3-827-05 <sup>1)</sup>	White	2700 K	>80	590 lm	128 lm/W	White
VFP600 -G3-830-05 <sup>1)</sup>	White	3000 K	>80	620 lm	135 lm/W	White
VFP600 -G3-840-05 <sup>1)</sup>	White	4000 K	>80	655 lm	142 lm/W	White
VFP600 -G3-865-05 <sup>1)</sup>	White	6500 K	>80	655 lm	142 lm/W	White

<sup>1)</sup> See product remark

#### Light technical data

Product description	LED pitch	Beam angle
VFP600 -G3-827-05 <sup>1)</sup>	14.28 mm	120 °
VFP600 -G3-830-05 <sup>1)</sup>	14.28 mm	120 °
VFP600 -G3-840-05 <sup>1)</sup>	14.28 mm	120 °
VFP600 -G3-865-05 <sup>1)</sup>	14.28 mm	120 °

<sup>1)</sup> See product remark

#### LED module information

Product description	Number of LEDs per meter
VFP600 -G3-827-05 <sup>1)</sup>	70
VFP600 -G3-830-05 <sup>1)</sup>	70
VFP600 -G3-840-05 <sup>1)</sup>	70
VFP600 -G3-865-05 <sup>1)</sup>	70

<sup>1)</sup> See product remark

## Product family datasheet

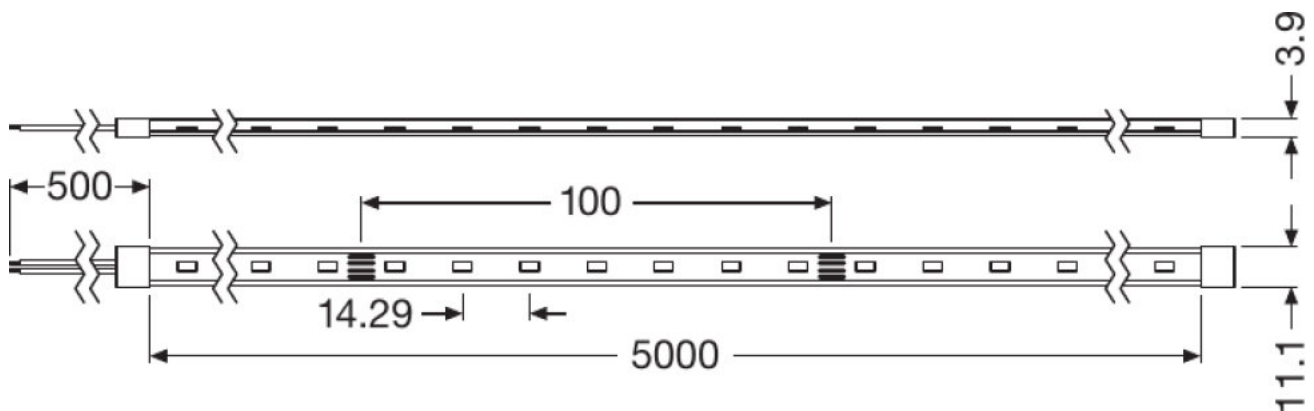
### Dimensions & weight

Product description	Length	Length – smallest unit	Width	Height	Cable length
VFP600 -G3-827-05 <sup>1)</sup>	5000 mm	100.0 mm	11.0 mm	4.0 mm	500.0 mm
VFP600 -G3-830-05 <sup>1)</sup>	5000 mm	100.0 mm	11.0 mm	4.0 mm	500.0 mm
VFP600 -G3-840-05 <sup>1)</sup>	5000 mm	100.0 mm	11.0 mm	4.0 mm	500.0 mm
VFP600 -G3-865-05 <sup>1)</sup>	5000 mm	100.0 mm	11.0 mm	4.0 mm	500.0 mm

Product description	Product weight
VFP600 -G3-827-05 <sup>1)</sup>	380.00 g
VFP600 -G3-830-05 <sup>1)</sup>	380.00 g
VFP600 -G3-840-05 <sup>1)</sup>	380.00 g
VFP600 -G3-865-05 <sup>1)</sup>	380.00 g

<sup>1)</sup> See product remark

### Product line drawing



VFP600 -G3-827-05, VFP600 -G3-830-05, VFP600 -G3-840-05, VFP600 -G3-865-05

## Product family datasheet

### Temperatures & operating conditions

Product description	Performance temp. acc. to IEC 62717	Temperature range in operation at Tc point	Ambient temperature range
VFP600 -G3-827-05 <sup>1)</sup>	40 °C	-25...80 °C <sup>2)</sup>	-25...+55 °C <sup>3)</sup>
VFP600 -G3-830-05 <sup>1)</sup>	40 °C	-25...80 °C <sup>2)</sup>	-25...+55 °C <sup>3)</sup>
VFP600 -G3-840-05 <sup>1)</sup>	40 °C	-25...80 °C <sup>2)</sup>	-25...+55 °C <sup>3)</sup>
VFP600 -G3-865-05 <sup>1)</sup>	40 °C	-25...80 °C <sup>2)</sup>	-25...+55 °C <sup>3)</sup>

<sup>1)</sup> See product remark

<sup>2)</sup> Exceeding the maximum ratings will reduce expected life time or destroy the LED strip.

<sup>3)</sup> 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

Product description	Rated lamp life time	Nominal lamp life time
VFP600 -G3-827-05 <sup>1)</sup>	35000 h	35000 h
VFP600 -G3-830-05 <sup>1)</sup>	35000 h	35000 h
VFP600 -G3-840-05 <sup>1)</sup>	35000 h	35000 h
VFP600 -G3-865-05 <sup>1)</sup>	35000 h	35000 h

<sup>1)</sup> See product remark

### Capabilities

Product description	Dimmable	Lowest bending radius	Self-adhesive
VFP600 -G3-827-05 <sup>1)</sup>	Yes	50 mm	Yes
VFP600 -G3-830-05 <sup>1)</sup>	Yes	50 mm	Yes
VFP600 -G3-840-05 <sup>1)</sup>	Yes	50 mm	Yes
VFP600 -G3-865-05 <sup>1)</sup>	Yes	50 mm	Yes

Product description	With connection set	With end piece
VFP600 -G3-827-05 <sup>1)</sup>	Yes	Yes
VFP600 -G3-830-05 <sup>1)</sup>	Yes	Yes
VFP600 -G3-840-05 <sup>1)</sup>	Yes	Yes
VFP600 -G3-865-05 <sup>1)</sup>	Yes	Yes

<sup>1)</sup> See product remark

## Product family datasheet

### Certificates & standards

Product description	Energy efficiency class	Energy consumption	Standards
VFP600 -G3-827-05 <sup>1)</sup>	A++ <sup>2)</sup>	6 kWh/1000h	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
VFP600 -G3-830-05 <sup>1)</sup>	A++ <sup>2)</sup>	6 kWh/1000h	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
VFP600 -G3-840-05 <sup>1)</sup>	A++ <sup>2)</sup>	6 kWh/1000h	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
VFP600 -G3-865-05 <sup>1)</sup>	A++ <sup>2)</sup>	6 kWh/1000h	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

Product description	Type of protection
VFP600 -G3-827-05 <sup>1)</sup>	IP66
VFP600 -G3-830-05 <sup>1)</sup>	IP66
VFP600 -G3-840-05 <sup>1)</sup>	IP66
VFP600 -G3-865-05 <sup>1)</sup>	IP66

<sup>1)</sup> See product remark

<sup>2)</sup> Applicable on smallest operable unit

### Logistical data

Product description	Temperature range at storage
VFP600 -G3-827-05 <sup>1)</sup>	-30...85 °C
VFP600 -G3-830-05 <sup>1)</sup>	-30...85 °C
VFP600 -G3-840-05 <sup>1)</sup>	-30...85 °C
VFP600 -G3-865-05 <sup>1)</sup>	-30...85 °C

<sup>1)</sup> See product remark

### 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](http://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

### Equipment / Accessories

## Product family datasheet

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

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### Application advice

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








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### Sales and Technical Support

Sales and Technical Support [www.osram.com](http://www.osram.com)

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### Download Data

File	
	Certificates EAC Certificate
	Certificates Manufacturers Declaration for Value Flex Family
	Declarations of conformity EU Declaration of Conformity VF and VFP
	Eulumdat Eulumdat VFP600-G3-827-05
	Eulumdat Eulumdat VFP600-G3-830-05
	Eulumdat Eulumdat VFP600-G3-840-05
	Eulumdat Eulumdat VFP600-G3-865-05

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### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899526297	VFP600 -G3-827-05	Shipping carton box 10	315 mm x 290 mm x 293 mm	26.77 dm <sup>3</sup>	5628.00 g
4052899526310	VFP600 -G3-830-05	Shipping carton box 10	315 mm x 290 mm x 293 mm	26.77 dm <sup>3</sup>	5628.00 g
4052899526334	VFP600 -G3-840-05	Shipping carton box 10	315 mm x 290 mm x 293 mm	26.77 dm <sup>3</sup>	5628.00 g
4052899526358	VFP600 -G3-865-05	Shipping carton box 10	315 mm x 290 mm x 293 mm	26.77 dm <sup>3</sup>	5628.00 g

## Product family datasheet

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

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### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.