

VALUE Flex Protect 800S

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 890 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
VFP800S -G3-827-06 ¹⁾	24.0 V	DC	6.4 W	38.50 W	23...25 V	25 V
VFP800S -G3-830-06 ¹⁾	24.0 V	DC	6.4 W	38.50 W	23...25 V	25 V
VFP800S -G3-840-06 ¹⁾	24.0 V	DC	6.4 W	38.50 W	23...25 V	25 V
VFP800S -G3-865-06 ¹⁾	24.0 V	DC	6.4 W	38.50 W	23...25 V	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	Light color LED	Color temperature	Color rendering index Ra	Luminous flux per meter	Luminous efficacy	Light color (designation)
VFP800S -G3-827-06 ¹⁾	White	2700 K	>80	805 lm	125 lm/W	White
VFP800S -G3-830-06 ¹⁾	White	3000 K	>80	850 lm	132 lm/W	White
VFP800S -G3-840-06 ¹⁾	White	4000 K	>80	890 lm	139 lm/W	White
VFP800S -G3-865-06 ¹⁾	White	6500 K	>80	890 lm	139 lm/W	White

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Light technical data

Product description	LED pitch	Beam angle
VFP800S -G3-827-06 ¹⁾	8.57 mm	120 °
VFP800S -G3-830-06 ¹⁾	8.57 mm	120 °
VFP800S -G3-840-06 ¹⁾	8.57 mm	120 °
VFP800S -G3-865-06 ¹⁾	8.57 mm	120 °

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Product family datasheet

LED module information

Product description	Number of LEDs per meter
VFP800S -G3-827-06 ¹⁾	112
VFP800S -G3-830-06 ¹⁾	112
VFP800S -G3-840-06 ¹⁾	112
VFP800S -G3-865-06 ¹⁾	112

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Dimensions & weight

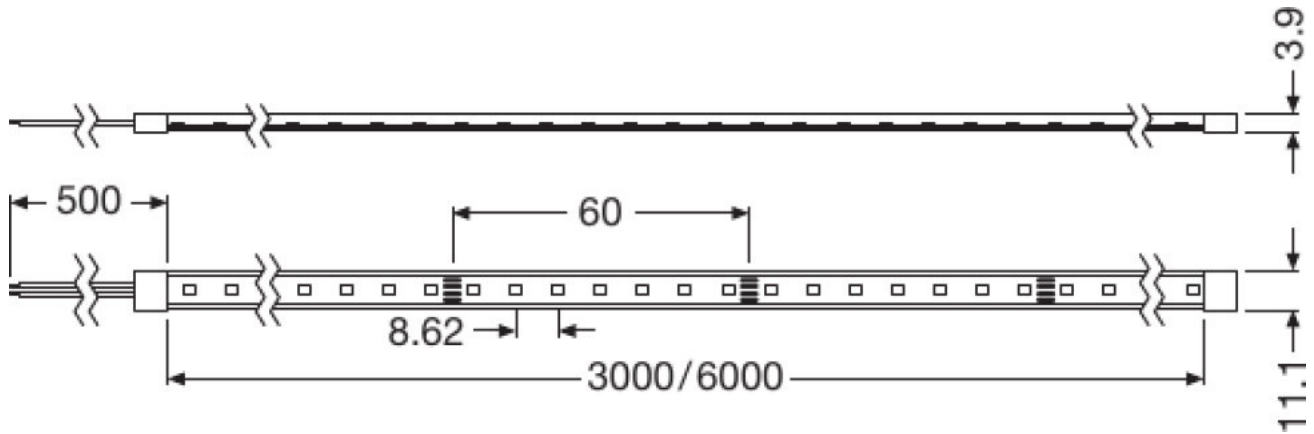
Product description	Length	Length – smallest unit	Width	Height	Cable length
VFP800S -G3-827-06 ¹⁾	6000 mm	60.0 mm	11.0 mm	4.0 mm	500.0 mm
VFP800S -G3-830-06 ¹⁾	6000 mm	60.0 mm	11.0 mm	4.0 mm	500.0 mm
VFP800S -G3-840-06 ¹⁾	6000 mm	60.0 mm	11.0 mm	4.0 mm	500.0 mm
VFP800S -G3-865-06 ¹⁾	6000 mm	60.0 mm	11.0 mm	4.0 mm	500.0 mm

Product description	Product weight
VFP800S -G3-827-06 ¹⁾	470.00 g
VFP800S -G3-830-06 ¹⁾	470.00 g
VFP800S -G3-840-06 ¹⁾	470.00 g
VFP800S -G3-865-06 ¹⁾	470.00 g

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Product family datasheet

Product line drawing



VFP800S -G3-827-06, VFP800S -G3-830-06, VFP800S -G3-840-06, VFP800S -G3-865-06

Temperatures & operating conditions

Product description	Temperature range in operation	Ambient temperature range
VFP800S -G3-827-06 ¹⁾	-25...80 °C ²⁾	-20...+45 °C ³⁾
VFP800S -G3-830-06 ¹⁾	-25...80 °C ²⁾	-20...+45 °C ³⁾
VFP800S -G3-840-06 ¹⁾	-25...80 °C ²⁾	-20...+45 °C ³⁾
VFP800S -G3-865-06 ¹⁾	-25...80 °C ²⁾	-20...+45 °C ³⁾

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

³⁾ 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

Product family datasheet

Lifespan

Product description	Rated lamp life time	Nominal lamp life time
VFP800S -G3-827-06 ¹⁾	35000 h	35000 h
VFP800S -G3-830-06 ¹⁾	35000 h	35000 h
VFP800S -G3-840-06 ¹⁾	35000 h	35000 h
VFP800S -G3-865-06 ¹⁾	35000 h	35000 h

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Capabilities

Product description	Dimmable	Lowest bending radius	Self-adhesive
VFP800S -G3-827-06 ¹⁾	Yes	50 mm	Yes
VFP800S -G3-830-06 ¹⁾	Yes	50 mm	Yes
VFP800S -G3-840-06 ¹⁾	Yes	50 mm	Yes
VFP800S -G3-865-06 ¹⁾	Yes	50 mm	Yes

Product description	With connection set	With end piece
VFP800S -G3-827-06 ¹⁾	Yes	Yes
VFP800S -G3-830-06 ¹⁾	Yes	Yes
VFP800S -G3-840-06 ¹⁾	Yes	Yes
VFP800S -G3-865-06 ¹⁾	Yes	Yes

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Certificates & standards

Product description	Energy efficiency class	Energy consumption	Standards
VFP800S -G3-827-06 ¹⁾	A++ ²⁾	7 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
VFP800S -G3-830-06 ¹⁾	A++ ²⁾	7 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
VFP800S -G3-840-06 ¹⁾	A++ ²⁾	7 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
VFP800S -G3-865-06 ¹⁾	A++ ²⁾	7 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 family datasheet

Product description	Type of protection
VFP800S -G3-827-06 ¹⁾	IP20
VFP800S -G3-830-06 ¹⁾	IP20
VFP800S -G3-840-06 ¹⁾	IP20
VFP800S -G3-865-06 ¹⁾	IP20

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²⁾ Applicable on smallest operable unit

Logistical data

Product description	Temperature range at storage
VFP800S -G3-827-06 ¹⁾	-30...85 °C
VFP800S -G3-830-06 ¹⁾	-30...85 °C
VFP800S -G3-840-06 ¹⁾	-30...85 °C
VFP800S -G3-865-06 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

Sales and Technical Support www.osram.com

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File
 Certificates EAC Certificate

Product family datasheet

	Certificates Manufacturers Declaration for Value Flex Family
	Declarations of conformity EU Declaration of Conformity VF and VFP
	Eulumdat Eulumdat VFP800S-G3-827-06
	Eulumdat Eulumdat VFP800S-G3-830-06
	Eulumdat Eulumdat VFP800S-G3-840-06
	Eulumdat Eulumdat VFP800S-G3-865-06

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899526457	VFP800S -G3-827-06	Shipping carton box 10	315 mm x 290 mm x 293 mm	26.77 dm ³	6528.00 g
4052899526471	VFP800S -G3-830-06	Shipping carton box 10	315 mm x 290 mm x 293 mm	26.77 dm ³	6528.00 g
4052899526495	VFP800S -G3-840-06	Shipping carton box 10	315 mm x 290 mm x 293 mm	26.77 dm ³	6528.00 g
4052899526518	VFP800S -G3-865-06	Shipping carton box 10	315 mm x 290 mm x 293 mm	26.77 dm ³	6528.00 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.