PRODUCT FAMILY DATASHEET
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-cuttable 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°



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– Dimmable with suitable OPTOTRONIC control gears

TECHNICAL DATA

Electrical data

Product description	Rated wattage	Nominal wattage	Reverse Voltage	Nominal voltage	Input voltage range	Nominal wattage per meter
VFP 600-865-6000	46.00 W	46.00 W	25 V	24.00 V	23…25 V	
VFP600 -G3-827-05 [1)]	23.00 W	23.00 W	25 V	24.00 V	23…25 V	4.6 W
VFP600 -G3-830-05 [1)]	23.00 W	23.00 W	25 V	24.00 V	23…25 V	4.6 W
VFP600 -G3-840-05 [1)]	23.00 W	23.00 W	25 V	24.00 V	23…25 V	4.6 W
VFP600 -G3-865-05 [1)]	23.00 W	23.00 W	25 V	24.00 V	23…25 V	4.6 W

[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 temper-ature	Light color (designation)	Light color LED	Lumi-nous flux per meter	Luminous efficacy	Luminous flux
VFP 600-865-6000	6500 K	Cool Daylight	White	600 lm	78 lm/W	
VFP600 -G3-827-05 [1)]	2700 K	White	White	590 lm	128 lm/W	2950 lm
VFP600 -G3-830-05 [1)]	3000 K	White	White	620 lm	135 lm/W	3100 lm
VFP600 -G3-840-05 [1)]	4000 K	White	White	655 lm	142 lm/W	3275 lm
VFP600 -G3-865-05 [1)]	6500 K	White	White	655 lm	142 lm/W	3275 lm

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Light technical data

Product description	Beam angle
VFP 600-865-6000	120 °
VFP600 -G3-827-05 [1)]	120 °
VFP600 -G3-830-05 [1)]	120 °
VFP600 -G3-840-05 [1)]	120 °
VFP600 -G3-865-05 [1)]	120 °

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LED module information

Product description	Number of LEDs per module	Number of LEDs per meter
VFP 600-865-6000	216	36
VFP600 -G3-827-05 [1)]	350	70
VFP600 -G3-830-05 [1)]	350	70
VFP600 -G3-840-05 [1)]	350	70
VFP600 -G3-865-05 [1)]	350	70

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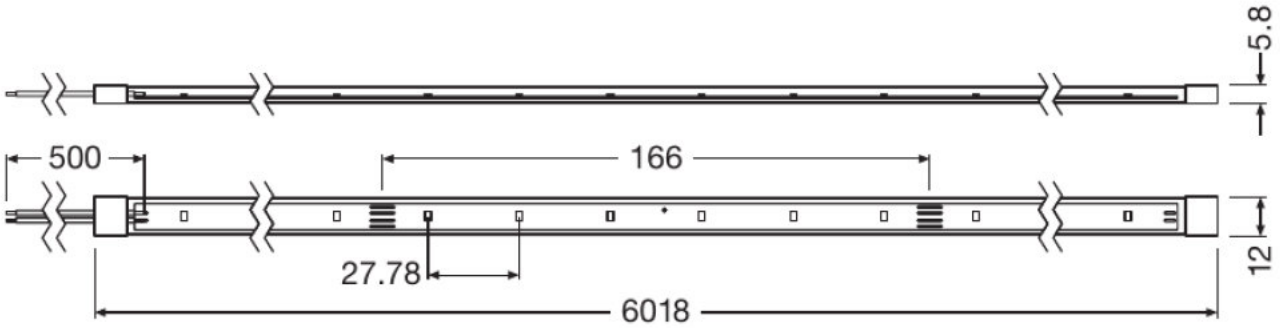
Dimensions & weight

Product description	Length	Width	Height	Product weight
VFP 600-865-6000	6018 mm	11.0 mm	1.50 mm	390.00 g
VFP600 -G3-827-05 [1)]	5000 mm	11.0 mm	5.00 mm	380.00 g
VFP600 -G3-830-05 [1)]	5000 mm	11.0 mm	5.00 mm	380.00 g
VFP600 -G3-840-05 [1)]	5000 mm	11.0 mm	5.00 mm	380.00 g
VFP600 -G3-865-05 [1)]	5000 mm	11.0 mm	5.00 mm	380.00 g

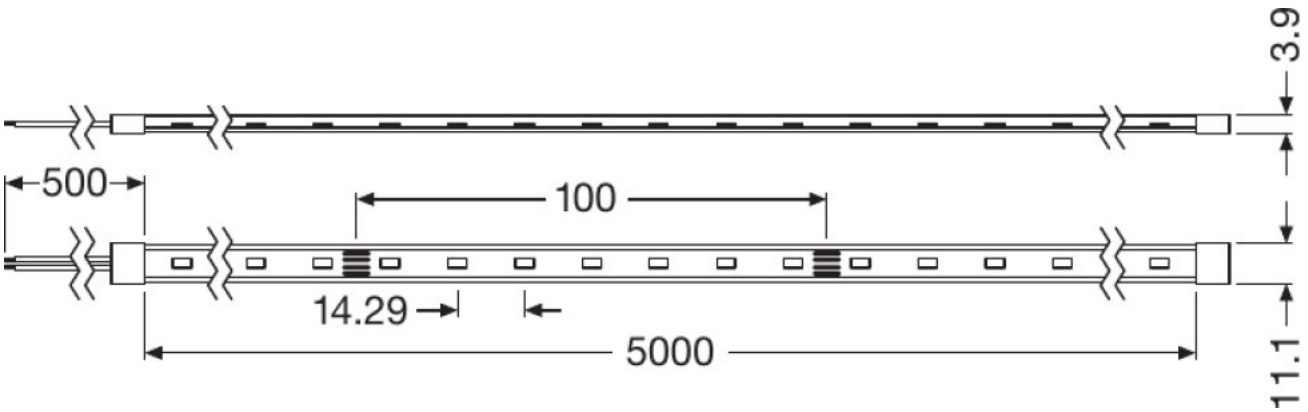
[1)] Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information, see www.osram.com/led-systems/All the technical parameters apply to the entire module. In view of the complex manufacturing 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

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Product line drawing



VFP 600-865-6000



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

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Temperatures & operating conditions

Product description	Temperature range in operation
VFP 600-865-6000	-10…60 °C [2]
VFP600 -G3-827-05 [1]	-25…80 °C [2]
VFP600 -G3-830-05 [1]	-25…80 °C [2]
VFP600 -G3-840-05 [1]	-25…80 °C [2]
VFP600 -G3-865-05 [1]	-25…80 °C [2]

[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] Exceeding the maximum ratings will reduce expected life time or destroy the LED strip.

Lifespan

Product description	Lifespan
VFP 600-865-6000	35000 h [2]
VFP600 -G3-827-05 [1]	35000 h
VFP600 -G3-830-05 [1]	35000 h
VFP600 -G3-840-05 [1]	35000 h
VFP600 -G3-865-05 [1]	35000 h

[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] L70/B50 at Tc max. 60 °C

Capabilities

Product description	Dimmable
VFP 600-865-6000	
VFP600 -G3-827-05 [1]	Yes
VFP600 -G3-830-05 [1]	Yes
VFP600 -G3-840-05 [1]	Yes
VFP600 -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 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

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Certificates & standards

Product description	Standards	Energy efficiency class
VFP 600-865-6000	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/ROHS/CE/VDE	
VFP600 -G3-827-05 [1)]	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	A++
VFP600 -G3-830-05 [1)]	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	A++
VFP600 -G3-840-05 [1)]	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	A++
VFP600 -G3-865-05 [1)]	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	A++

[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

Logistical data

Product description	Temperature range at storage
VFP 600-865-6000	-20...65 °C
VFP600 -G3-827-05 [1)]	-30...85 °C
VFP600 -G3-830-05 [1)]	-30...85 °C
VFP600 -G3-840-05 [1)]	-30...85 °C
VFP600 -G3-865-05 [1)]	-30...85 °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

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.ledvance.com

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COUNTRY SPECIFIC INFORMATION

Product description	Product code	METEL-Code	SEG number	STK number	UK Org
VFP 600-865-6000	4052899316843	-	7503553	4210407	-

DOWNLOAD DATA

	File
	User instruction 614591_User Instruction VALUE Flex_Protect
	Addon Technical Information 685721_BinningSheet - VFP600 -G2
	Product Family Datasheet 615530_Product Datasheet VALUE Felx Protect 600
	Certificates Manufacturers Declaration for Value Flex Family
	Declarations of conformity EU Declaration of Conformity VF and VFP
	Declarations of conformity 615527_EC-CERTIFICATION VALUE_FLEX (EN)
	IES data 606174_VFP600-G2-865-06 46W 24V.IES
	Certificates EAC Certificate
	Eulumdat Eulumdat VFP600-G3-827-05
	Eulumdat Eulumdat VFP600-G3-830-05
	Eulumdat Eulumdat VFP600-G3-840-05
	Eulumdat Eulumdat VFP600-G3-865-05

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899316843	VFP 600-865-6000	Shipping carton box 20	270 mm x 260 mm x 285 mm	20.01 dm^3	8338.00 g
4052899526297	VFP600 -G3-827-05	Shipping carton box 10	315 mm x 290 mm x 293 mm	26.77 dm^3	5628.00 g
4052899526310	VFP600 -G3-830-05	Shipping carton box 10	315 mm x 290 mm x 293 mm	26.77 dm^3	5628.00 g
4052899526334	VFP600 -G3-840-05	Shipping carton box 10	315 mm x 290 mm x 293 mm	26.77 dm^3	5628.00 g
4052899526358	VFP600 -G3-865-05	Shipping carton box 10	315 mm x 290 mm x 293 mm	26.77 dm^3	5628.00 g

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

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

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