

LINEARlight FLEX Protect POWER 2000

LED modules for professional and industrial applications



Areas of application

- Facade accent lighting
- Ceiling integration
- Wall integration
- Cove lighting
- Machine lighting
- Path lighting
- Suitable for outdoor use

Product benefits

- High luminous flux
- Great design freedom thanks to flexibility and cuttability of module
- High-performance silicone for extremely long life and flexibility
- Simple connection thanks to premounted connectors
- Extraordinary design and high quality materials
- Toolless connection only if using the optional CONNECTsystem
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- Outdoor use possible: UV and salt mist resistant (UV acc. to ISO 4892-2 - Method A, salt mist acc. to IEC 60068-2-52 severity 1)

Product features

- Flexible and cuttable LED strip
- Luminous flux: up to 2,000 lm/m
- Type of protection: IP67
- Dimmable with many common electronic control gears
- Fine White (3.5 SDCM)



Product family datasheet

Technical data

Electrical data

Product description	Nominal voltage	Nominal current	Rated wattage	Nominal wattage	Nominal wattage per meter	Reverse Voltage	Type of current
LFP2000 -G3-824-04 ¹⁾	24.0 V	3.4 A	80.55 W	80.55 W	17.9 W	25 V	DC
LFP2000 -G3-827-04 ¹⁾	24.0 V	3.4 A	80.55 W	80.55 W	17.9 W	25 V	DC
LFP2000 -G3-830-04 ¹⁾	24.0 V	3.4 A	80.55 W	80.55 W	17.9 W	25 V	DC
LFP2000 -G3-840-04 ¹⁾	24.0 V	2.8 A	67.50 W	67.50 W	15.0 W	25 V	DC
LFP2000 -G3-860-04 ¹⁾	24.0 V	2.6 A	61.20 W	61.20 W	13.6 W	25 V	DC
LFP2000 -G3-930-04 ¹⁾	24.0 V	3.4 A	80.55 W	80.55 W	17.9 W	25 V	DC
LFP2000 -G3-940-04 ¹⁾	24.0 V	3.4 A	80.55 W	80.55 W	17.9 W	25 V	DC
LFP2000 -G3-960-04 ¹⁾	24.0 V	3.1 A	73.35 W	73.35 W	16.3 W	25 V	DC
LFP2000 -G3-SW40 ¹⁾	24.0 V	3.4 A	80.60 W	80.60 W	17.9 W	25 V	DC

Product description	Input voltage range
LFP2000 -G3-824-04 ¹⁾	23...24 V
LFP2000 -G3-827-04 ¹⁾	23...24 V
LFP2000 -G3-830-04 ¹⁾	23...24 V
LFP2000 -G3-840-04 ¹⁾	23...24 V
LFP2000 -G3-860-04 ¹⁾	23...24 V
LFP2000 -G3-930-04 ¹⁾	23...24 V
LFP2000 -G3-940-04 ¹⁾	23...24 V
LFP2000 -G3-960-04 ¹⁾	23...24 V
LFP2000 -G3-SW40 ¹⁾	23...24 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	Color rendering index Ra	Light color (designation)	Light color LED	Luminous flux per meter	Luminous flux
LFP2000 -G3-824-04 ¹⁾	2400 K	>80	Warm White	White	1800 lm	8100 lm
LFP2000 -G3-827-04 ¹⁾	2700 K	>80	Warm White	White	1900 lm	8550 lm
LFP2000 -G3-830-04 ¹⁾	3000 K	>80	Warm White	White	1900 lm	8550 lm
LFP2000 -G3-840-04 ¹⁾	4000 K	>80	Cold White	White	1900 lm	8550 lm
LFP2000 -G3-860-04 ¹⁾	6000 K	>80	Cold White	White	1800 lm	8100 lm
LFP2000 -G3-930-04 ¹⁾	3500 K	>90	Warm White	White	1800 lm	8100 lm
LFP2000 -G3-940-04 ¹⁾	4000 K	>90	Cold White	White	1900 lm	8550 lm
LFP2000 -G3-960-04 ¹⁾	6000 K	>90	Cold White	White	1900 lm	8550 lm
LFP2000 -G3-SW40 ¹⁾	4300 K	>90		White	1900 lm	8550 lm

Product family datasheet

Product description	Luminous efficacy
LFP2000 -G3-824-04 ¹⁾	101 lm/W
LFP2000 -G3-827-04 ¹⁾	106 lm/W
LFP2000 -G3-830-04 ¹⁾	106 lm/W
LFP2000 -G3-840-04 ¹⁾	127 lm/W
LFP2000 -G3-860-04 ¹⁾	132 lm/W
LFP2000 -G3-930-04 ¹⁾	101 lm/W
LFP2000 -G3-940-04 ¹⁾	106 lm/W
LFP2000 -G3-960-04 ¹⁾	117 lm/W
LFP2000 -G3-SW40 ¹⁾	106 lm/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

Light technical data

Product description	Beam angle
LFP2000 -G3-824-04 ¹⁾	120 °
LFP2000 -G3-827-04 ¹⁾	120 °
LFP2000 -G3-830-04 ¹⁾	120 °
LFP2000 -G3-840-04 ¹⁾	120 °
LFP2000 -G3-860-04 ¹⁾	120 °
LFP2000 -G3-930-04 ¹⁾	120 °
LFP2000 -G3-940-04 ¹⁾	120 °
LFP2000 -G3-960-04 ¹⁾	120 °
LFP2000 -G3-SW40 ¹⁾	120 °

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LED module information

Product description	Number of LEDs per module	Number of LEDs per meter
LFP2000 -G3-824-04 ¹⁾	315	70
LFP2000 -G3-827-04 ¹⁾	315	70
LFP2000 -G3-830-04 ¹⁾	315	70
LFP2000 -G3-840-04 ¹⁾	315	70
LFP2000 -G3-860-04 ¹⁾	315	70
LFP2000 -G3-930-04 ¹⁾	315	70
LFP2000 -G3-940-04 ¹⁾	315	70
LFP2000 -G3-960-04 ¹⁾	315	70
LFP2000 -G3-SW40 ¹⁾	315	70

Product family datasheet

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Dimensions & weight

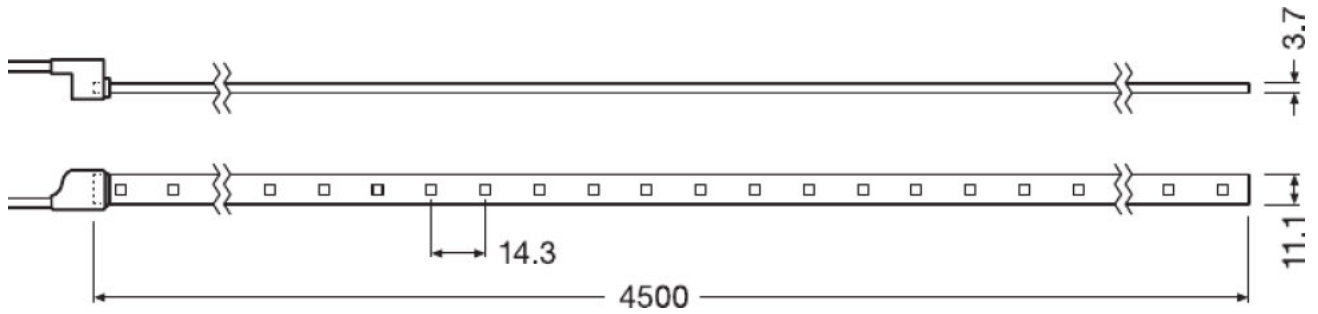
Product description	Length	Length – smallest unit	Width	Height	Cable length
LFP2000 -G3-824-04 ¹⁾	4500 mm	100.0 mm	11.1 mm	3.7 mm	500.0 mm
LFP2000 -G3-827-04 ¹⁾	4500 mm	100.0 mm	11.1 mm	3.7 mm	500.0 mm
LFP2000 -G3-830-04 ¹⁾	4500 mm	100.0 mm	11.1 mm	3.7 mm	500.0 mm
LFP2000 -G3-840-04 ¹⁾	4500 mm	100.0 mm	11.1 mm	3.7 mm	500.0 mm
LFP2000 -G3-860-04 ¹⁾	4500 mm	100.0 mm	11.1 mm	3.7 mm	500.0 mm
LFP2000 -G3-930-04 ¹⁾	4500 mm	100.0 mm	11.1 mm	3.7 mm	500.0 mm
LFP2000 -G3-940-04 ¹⁾	4500 mm	100.0 mm	11.1 mm	3.7 mm	500.0 mm
LFP2000 -G3-960-04 ¹⁾	4500 mm	100.0 mm	11.1 mm	3.7 mm	500.0 mm
LFP2000 -G3-SW40 ¹⁾	4500 mm	100.0 mm	11.1 mm	3.7 mm	500.0 mm

Product description	Product weight
LFP2000 -G3-824-04 ¹⁾	282.00 g
LFP2000 -G3-827-04 ¹⁾	282.00 g
LFP2000 -G3-830-04 ¹⁾	282.00 g
LFP2000 -G3-840-04 ¹⁾	282.00 g
LFP2000 -G3-860-04 ¹⁾	282.00 g
LFP2000 -G3-930-04 ¹⁾	282.00 g
LFP2000 -G3-940-04 ¹⁾	282.00 g
LFP2000 -G3-960-04 ¹⁾	282.00 g
LFP2000 -G3-SW40 ¹⁾	282.00 g

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Product family datasheet

Product line drawing



LFP2000 -G3-824-04, LFP2000 -G3-827-04, LFP2000 -G3-830-04, LFP2000 -G3-840-04, LFP2000 -G3-860-04, LFP2000 -G3-930-04, LFP2000 -G3-940-04, LFP2000 -G3-960-04, LFP2000 -G3-SW40

Colors & materials

Product description	Cover material	Body material
LFP2000 -G3-824-04 ¹⁾	Silicone	Silicone
LFP2000 -G3-827-04 ¹⁾	Silicone	Silicone
LFP2000 -G3-830-04 ¹⁾	Silicone	Silicone
LFP2000 -G3-840-04 ¹⁾	Silicone	Silicone
LFP2000 -G3-860-04 ¹⁾	Silicone	Silicone
LFP2000 -G3-930-04 ¹⁾	Silicone	Silicone
LFP2000 -G3-940-04 ¹⁾	Silicone	Silicone
LFP2000 -G3-960-04 ¹⁾	Silicone	Silicone
LFP2000 -G3-SW40 ¹⁾	Silicone	Silicone

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Temperatures & operating conditions

Product description	Temperature range in operation
LFP2000 -G3-824-04 ¹⁾	-20...70 °C
LFP2000 -G3-827-04 ¹⁾	-20...70 °C
LFP2000 -G3-830-04 ¹⁾	-20...70 °C
LFP2000 -G3-840-04 ¹⁾	-20...70 °C
LFP2000 -G3-860-04 ¹⁾	-20...70 °C
LFP2000 -G3-930-04 ¹⁾	-20...70 °C
LFP2000 -G3-940-04 ¹⁾	-20...70 °C
LFP2000 -G3-960-04 ¹⁾	-20...70 °C
LFP2000 -G3-SW40 ¹⁾	-20...70 °C

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Lifespan

Product description	Lifespan
LFP2000 -G3-824-04 ¹⁾	50000 h ²⁾
LFP2000 -G3-827-04 ¹⁾	50000 h ²⁾
LFP2000 -G3-830-04 ¹⁾	50000 h ²⁾
LFP2000 -G3-840-04 ¹⁾	50000 h ²⁾
LFP2000 -G3-860-04 ¹⁾	50000 h ²⁾
LFP2000 -G3-930-04 ¹⁾	50000 h ²⁾
LFP2000 -G3-940-04 ¹⁾	50000 h ²⁾
LFP2000 -G3-960-04 ¹⁾	50000 h ²⁾
LFP2000 -G3-SW40 ¹⁾	50000 h ²⁾

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²⁾ L70/B50 at T_c 40 °C

Product family datasheet

Capabilities

Product description	Dimmable
LFP2000 -G3-824-04 ¹⁾	Yes
LFP2000 -G3-827-04 ¹⁾	Yes
LFP2000 -G3-830-04 ¹⁾	Yes
LFP2000 -G3-840-04 ¹⁾	Yes
LFP2000 -G3-860-04 ¹⁾	Yes
LFP2000 -G3-930-04 ¹⁾	Yes
LFP2000 -G3-940-04 ¹⁾	Yes
LFP2000 -G3-960-04 ¹⁾	Yes
LFP2000 -G3-SW40 ¹⁾	Yes

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Certificates & standards

Product description	Energy consumption	Type of protection	Energy efficiency class
LFP2000 -G3-824-04 ¹⁾	89 kWh/1000h	IP67	A+ ²⁾
LFP2000 -G3-827-04 ¹⁾	89 kWh/1000h	IP67	A+ ²⁾
LFP2000 -G3-830-04 ¹⁾	89 kWh/1000h	IP67	A+ ²⁾
LFP2000 -G3-840-04 ¹⁾	74 kWh/1000h	IP67	A+ ²⁾
LFP2000 -G3-860-04 ¹⁾	67 kWh/1000h	IP67	A+ ²⁾
LFP2000 -G3-930-04 ¹⁾	89 kWh/1000h	IP67	A+ ²⁾
LFP2000 -G3-940-04 ¹⁾	89 kWh/1000h	IP67	A+ ²⁾
LFP2000 -G3-960-04 ¹⁾	81 kWh/1000h	IP67	A+ ²⁾
LFP2000 -G3-SW40 ¹⁾	87 kWh/1000h	IP67	A+ ²⁾

Product description	Standards
LFP2000 -G3-824-04 ¹⁾	UL/CE; ENEC 10 VDE
LFP2000 -G3-827-04 ¹⁾	UL/CE; ENEC 10 VDE
LFP2000 -G3-830-04 ¹⁾	UL/CE; ENEC 10 VDE
LFP2000 -G3-840-04 ¹⁾	UL/CE; ENEC 10 VDE
LFP2000 -G3-860-04 ¹⁾	UL/CE; ENEC 10 VDE
LFP2000 -G3-930-04 ¹⁾	UL/CE; ENEC 10 VDE
LFP2000 -G3-940-04 ¹⁾	UL/CE; ENEC 10 VDE
LFP2000 -G3-960-04 ¹⁾	UL/CE; ENEC 10 VDE
LFP2000 -G3-SW40 ¹⁾	UL/CE; ENEC 10 VDE

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²⁾ Applicable on smallest operable unit

Product family datasheet

Logistical data

Product description	Temperature range at storage
LFP2000 -G3-824-04 ¹⁾	-40...85 °C
LFP2000 -G3-827-04 ¹⁾	-40...85 °C
LFP2000 -G3-830-04 ¹⁾	-40...85 °C
LFP2000 -G3-840-04 ¹⁾	-40...85 °C
LFP2000 -G3-860-04 ¹⁾	-40...85 °C
LFP2000 -G3-930-04 ¹⁾	-40...85 °C
LFP2000 -G3-940-04 ¹⁾	-40...85 °C
LFP2000 -G3-960-04 ¹⁾	-40...85 °C
LFP2000 -G3-SW40 ¹⁾	-40...85 °C

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Equipment / Accessories

- Simplified connection with optional matching CONNECTsystem
- Quick installation with optional SLIM TRACK System
- Perfectly matched to OPTOTRONIC 24 V electronic control gears





Application advice

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

Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

File
 Brochures Light is freedom of design (EN)
 Certificates EAC Certificate
 Certificates VDE ENEC+ Certificate LFP2000-G3
 Certificates ENEC10_VDE Certificate

Product family datasheet

	Certificates Certificate of Compliance
	Declarations of conformity Declaration of conformity
	Declarations of conformity Manufacturer declaration
	Eulumdat Eulumdat LFP2000-G3-824
	IES data IES LFP2000-G3-824
	Eulumdat Eulumdat LFP2000-G3-827
	IES data IES LFP2000-G3-827
	Eulumdat Eulumdat LFP2000-G3-830
	IES data IES LFP2000-G3-830
	Eulumdat Eulumdat LFP2000-G3-840
	IES data IES LFP2000-G3-840
	Eulumdat Eulumdat LFP2000-G3-860
	IES data IES LFP2000-G3-860
	Eulumdat Eulumdat LFP2000-G3-930
	IES data IES LFP2000-G3-930
	Eulumdat Eulumdat LFP2000-G3-940
	IES data IES LFP2000-G3-940
	Eulumdat Eulumdat LFP2000-G3-960
	IES data IES LFP2000-G3-960
	Eulumdat Eulumdat LFP2000-G3-SW40
	IES data IES LFP2000-G3-SW40

Logistical Data

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899481138	LFP2000 -G3-824-04	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	6474.00 g
4052899481152	LFP2000 -G3-827-04	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	6474.00 g
4052899481176	LFP2000 -G3-830-04	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	6474.00 g
4052899481190	LFP2000 -G3-840-04	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	6474.00 g
4052899481213	LFP2000 -G3-860-04	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	6474.00 g
4052899481237	LFP2000 -G3-930-04	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	6474.00 g
4052899481251	LFP2000 -G3-940-04	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	6474.00 g
4052899481275	LFP2000 -G3-960-04	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	6474.00 g
4052899501911	LFP2000 -G3-SW40	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	6474.00 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.

References / Links

System configurator tool is available online at <https://flex.osram.info/en/flex-configurator>

Disclaimer

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