

LINEARlight FLEX Protect POWER 1200

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 1,200 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
LFP1200 -G3-824-09 ¹⁾	24.0 V	2.7 A	95.40 W	63.72 W	10.6 W	25 V	DC
LFP1200 -G3-827-09 ¹⁾	24.0 V	4 A	95.40 W	95.40 W	10.6 W	25 V	DC
LFP1200 -G3-830-09 ¹⁾	24.0 V	4 A	95.40 W	95.40 W	10.6 W	25 V	DC
LFP1200 -G3-840-09 ¹⁾	24.0 V	3.3 A	80.10 W	80.10 W	8.9 W	25 V	DC
LFP1200 -G3-860-09 ¹⁾	24.0 V	3 A	72.90 W	72.90 W	8.1 W	25 V	DC
LFP1200 -G3-930-09 ¹⁾	24.0 V	4 A	95.40 W	95.40 W	10.6 W	25 V	DC
LFP1200 -G3-940-09 ¹⁾	24.0 V	4 A	95.40 W	95.40 W	10.6 W	25 V	DC
LFP1200 -G3-960-09 ¹⁾	24.0 V	3.8 A	90.00 W	90.00 W	10.0 W	25 V	DC
LFP1200 -G3-SW40 ¹⁾	24.0 V	4 A	95.40 W	95.40 W	10.6 W	25 V	DC

Product description	Input voltage range
LFP1200 -G3-824-09 ¹⁾	23...24 V
LFP1200 -G3-827-09 ¹⁾	23...24 V
LFP1200 -G3-830-09 ¹⁾	23...24 V
LFP1200 -G3-840-09 ¹⁾	23...24 V
LFP1200 -G3-860-09 ¹⁾	23...24 V
LFP1200 -G3-930-09 ¹⁾	23...24 V
LFP1200 -G3-940-09 ¹⁾	23...24 V
LFP1200 -G3-960-09 ¹⁾	23...24 V
LFP1200 -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
LFP1200 -G3-824-09 ¹⁾	2400 K	>80	Warm White	White	1100 lm	9900 lm
LFP1200 -G3-827-09 ¹⁾	2700 K	>80	Warm White	White	1150 lm	10350 lm
LFP1200 -G3-830-09 ¹⁾	3000 K	>80	Warm White	White	1200 lm	10800 lm
LFP1200 -G3-840-09 ¹⁾	4000 K	>80	Cool White	White	1200 lm	10800 lm
LFP1200 -G3-860-09 ¹⁾	6000 K	>80	Cool White	White	1100 lm	9900 lm
LFP1200 -G3-930-09 ¹⁾	3500 K	>90	Warm White	White	1100 lm	9900 lm
LFP1200 -G3-940-09 ¹⁾	4000 K	>90	Cool White	White	1200 lm	10800 lm
LFP1200 -G3-960-09 ¹⁾	6000 K	>90	Cool White	White	1200 lm	10800 lm
LFP1200 -G3-SW40 ¹⁾	4301 K	>90	Cool White	White	1200 lm	10800 lm

Product family datasheet

Product description	Luminous efficacy
LFP1200 -G3-824-09 ¹⁾	104 lm/W
LFP1200 -G3-827-09 ¹⁾	108 lm/W
LFP1200 -G3-830-09 ¹⁾	113 lm/W
LFP1200 -G3-840-09 ¹⁾	135 lm/W
LFP1200 -G3-860-09 ¹⁾	135 lm/W
LFP1200 -G3-930-09 ¹⁾	104 lm/W
LFP1200 -G3-940-09 ¹⁾	113 lm/W
LFP1200 -G3-960-09 ¹⁾	120 lm/W
LFP1200 -G3-SW40 ¹⁾	113 lm/W

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Light technical data

Product description	Beam angle
LFP1200 -G3-824-09 ¹⁾	120 °
LFP1200 -G3-827-09 ¹⁾	120 °
LFP1200 -G3-830-09 ¹⁾	120 °
LFP1200 -G3-840-09 ¹⁾	120 °
LFP1200 -G3-860-09 ¹⁾	120 °
LFP1200 -G3-930-09 ¹⁾	120 °
LFP1200 -G3-940-09 ¹⁾	120 °
LFP1200 -G3-960-09 ¹⁾	120 °
LFP1200 -G3-SW40 ¹⁾	120 °

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LED module information

Product description	Number of LEDs per module	Number of LEDs per meter
LFP1200 -G3-824-09 ¹⁾	630	70
LFP1200 -G3-827-09 ¹⁾	630	70
LFP1200 -G3-830-09 ¹⁾	630	70
LFP1200 -G3-840-09 ¹⁾	630	70
LFP1200 -G3-860-09 ¹⁾	630	70
LFP1200 -G3-930-09 ¹⁾	630	70
LFP1200 -G3-940-09 ¹⁾	630	70
LFP1200 -G3-960-09 ¹⁾	630	70
LFP1200 -G3-SW40 ¹⁾	630	70

Product family datasheet

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Dimensions & weight

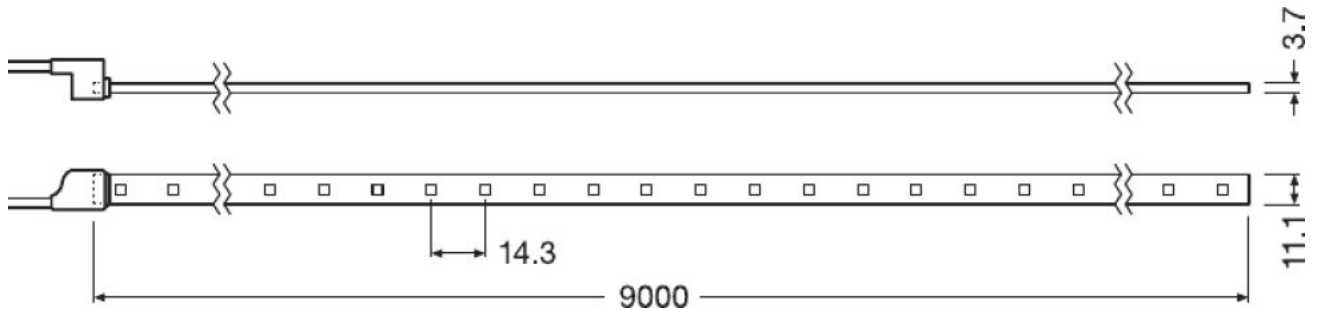
Product description	Length	Length – smallest unit	Width	Height	Cable length
LFP1200 -G3-824-09 ¹⁾	9000 mm	100.0 mm	11.1 mm	3.7 mm	500.0 mm
LFP1200 -G3-827-09 ¹⁾	9000 mm	100.0 mm	11.1 mm	3.7 mm	500.0 mm
LFP1200 -G3-830-09 ¹⁾	9000 mm	100.0 mm	11.1 mm	3.7 mm	500.0 mm
LFP1200 -G3-840-09 ¹⁾	9000 mm	100.0 mm	11.1 mm	3.7 mm	500.0 mm
LFP1200 -G3-860-09 ¹⁾	9000 mm	100.0 mm	11.1 mm	3.7 mm	500.0 mm
LFP1200 -G3-930-09 ¹⁾	9000 mm	100.0 mm	11.1 mm	3.7 mm	500.0 mm
LFP1200 -G3-940-09 ¹⁾	9000 mm	100.0 mm	11.1 mm	3.7 mm	500.0 mm
LFP1200 -G3-960-09 ¹⁾	9000 mm	100.0 mm	11.1 mm	3.7 mm	500.0 mm
LFP1200 -G3-SW40 ¹⁾	9000 mm	100.0 mm	11.1 mm	3.7 mm	500.0 mm

Product description	Product weight
LFP1200 -G3-824-09 ¹⁾	523.00 g
LFP1200 -G3-827-09 ¹⁾	523.00 g
LFP1200 -G3-830-09 ¹⁾	523.00 g
LFP1200 -G3-840-09 ¹⁾	523.00 g
LFP1200 -G3-860-09 ¹⁾	523.00 g
LFP1200 -G3-930-09 ¹⁾	523.00 g
LFP1200 -G3-940-09 ¹⁾	523.00 g
LFP1200 -G3-960-09 ¹⁾	523.00 g
LFP1200 -G3-SW40 ¹⁾	523.00 g

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Product family datasheet

Product line drawing



LFP1200 -G3-824-09, LFP1200 -G3-827-09, LFP1200 -G3-830-09, LFP1200 -G3-840-09, LFP1200 -G3-860-09, LFP1200 -G3-930-09, LFP1200 -G3-940-09, LFP1200 -G3-960-09, LFP1200 -G3-SW40

Colors & materials

Product description	Cover material	Body material
LFP1200 -G3-824-09 ¹⁾	Silicone	Silicone
LFP1200 -G3-827-09 ¹⁾	Silicone	Silicone
LFP1200 -G3-830-09 ¹⁾	Silicone	Silicone
LFP1200 -G3-840-09 ¹⁾	Silicone	Silicone
LFP1200 -G3-860-09 ¹⁾	Silicone	Silicone
LFP1200 -G3-930-09 ¹⁾	Silicone	Silicone
LFP1200 -G3-940-09 ¹⁾	Silicone	Silicone
LFP1200 -G3-960-09 ¹⁾	Silicone	Silicone
LFP1200 -G3-SW40 ¹⁾	Silicone	Silicone

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Temperatures & operating conditions

Product description	Temperature range in operation
LFP1200 -G3-824-09 ¹⁾	-20...70 °C
LFP1200 -G3-827-09 ¹⁾	-20...70 °C
LFP1200 -G3-830-09 ¹⁾	-20...70 °C
LFP1200 -G3-840-09 ¹⁾	-20...70 °C
LFP1200 -G3-860-09 ¹⁾	-20...70 °C
LFP1200 -G3-930-09 ¹⁾	-20...70 °C
LFP1200 -G3-940-09 ¹⁾	-20...70 °C
LFP1200 -G3-960-09 ¹⁾	-20...70 °C
LFP1200 -G3-SW40 ¹⁾	-20...70 °C

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Lifespan

Product description	Lifespan
LFP1200 -G3-824-09 ¹⁾	60000 h ²⁾
LFP1200 -G3-827-09 ¹⁾	60000 h ²⁾
LFP1200 -G3-830-09 ¹⁾	60000 h ²⁾
LFP1200 -G3-840-09 ¹⁾	60000 h ²⁾
LFP1200 -G3-860-09 ¹⁾	60000 h ²⁾
LFP1200 -G3-930-09 ¹⁾	60000 h ²⁾
LFP1200 -G3-940-09 ¹⁾	60000 h ²⁾
LFP1200 -G3-960-09 ¹⁾	60000 h ²⁾
LFP1200 -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
LFP1200 -G3-824-09 ¹⁾	Yes
LFP1200 -G3-827-09 ¹⁾	Yes
LFP1200 -G3-830-09 ¹⁾	Yes
LFP1200 -G3-840-09 ¹⁾	Yes
LFP1200 -G3-860-09 ¹⁾	Yes
LFP1200 -G3-930-09 ¹⁾	Yes
LFP1200 -G3-940-09 ¹⁾	Yes
LFP1200 -G3-960-09 ¹⁾	Yes
LFP1200 -G3-SW40 ¹⁾	Yes

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Certificates & standards

Product description	Energy consumption	Type of protection	Energy efficiency class
LFP1200 -G3-824-09 ¹⁾	105 kWh/1000h	IP67	A+ ²⁾
LFP1200 -G3-827-09 ¹⁾	105 kWh/1000h	IP67	A+ ²⁾
LFP1200 -G3-830-09 ¹⁾	105 kWh/1000h	IP67	A+ ²⁾
LFP1200 -G3-840-09 ¹⁾	88 kWh/1000h	IP67	A++ ²⁾
LFP1200 -G3-860-09 ¹⁾	80 kWh/1000h	IP67	A++ ²⁾
LFP1200 -G3-930-09 ¹⁾	105 kWh/1000h	IP67	A+ ²⁾
LFP1200 -G3-940-09 ¹⁾	105 kWh/1000h	IP67	A+ ²⁾
LFP1200 -G3-960-09 ¹⁾	99 kWh/1000h	IP67	A+ ²⁾
LFP1200 -G3-SW40 ¹⁾	105 kWh/1000h	IP67	A+ ²⁾

Product description	Standards
LFP1200 -G3-824-09 ¹⁾	UL/CE; ENEC 10 VDE
LFP1200 -G3-827-09 ¹⁾	UL/CE; ENEC 10 VDE
LFP1200 -G3-830-09 ¹⁾	UL/CE; ENEC 10 VDE
LFP1200 -G3-840-09 ¹⁾	UL/CE; ENEC 10 VDE
LFP1200 -G3-860-09 ¹⁾	UL/CE; ENEC 10 VDE
LFP1200 -G3-930-09 ¹⁾	UL/CE; ENEC 10 VDE
LFP1200 -G3-940-09 ¹⁾	UL/CE; ENEC 10 VDE
LFP1200 -G3-960-09 ¹⁾	UL/CE; ENEC 10 VDE
LFP1200 -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
LFP1200 -G3-824-09 ¹⁾	-40...85 °C
LFP1200 -G3-827-09 ¹⁾	-40...85 °C
LFP1200 -G3-830-09 ¹⁾	-40...85 °C
LFP1200 -G3-840-09 ¹⁾	-40...85 °C
LFP1200 -G3-860-09 ¹⁾	-40...85 °C
LFP1200 -G3-930-09 ¹⁾	-40...85 °C
LFP1200 -G3-940-09 ¹⁾	-40...85 °C
LFP1200 -G3-960-09 ¹⁾	-40...85 °C
LFP1200 -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 LFP1200-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 LFP1200-G3-824
	Eulumdat Eulumdat LFP1200-G3-824
	IES data IES LFP1200-G3-824
	Eulumdat Eulumdat LFP1200-G3-827
	IES data IES LFP1200-G3-827
	Eulumdat Eulumdat LFP1200-G3-830
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	Eulumdat Eulumdat LFP1200-G3-SW40
	IES data IES LFP1200-G3-SW40

Product family datasheet

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899481640	LFP1200 -G3-824-09	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	8402.00 g
4052899481626	LFP1200 -G3-827-09	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	8402.00 g
4052899481664	LFP1200 -G3-830-09	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	8402.00 g
4052899481688	LFP1200 -G3-840-09	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	8402.00 g
4052899481701	LFP1200 -G3-860-09	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	8402.00 g
4052899481725	LFP1200 -G3-930-09	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	8402.00 g
4052899481749	LFP1200 -G3-940-09	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	8402.00 g
4052899481763	LFP1200 -G3-960-09	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	8402.00 g
4052899501935	LFP1200 -G3-SW40	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	8402.00 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.