

## LINEARlight FLEX Protect POWER 800

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 800 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
LFP800 -G3-824-09 <sup>1)</sup>	24.0 V	2.9 A	68.04 W	68.04 W	7.6 W	25 V	DC
LFP800 -G3-827-09 <sup>1)</sup>	24.0 V	2.7 A	63.72 W	63.72 W	7.1 W	25 V	DC

Product description	Input voltage range
LFP800 -G3-824-09 <sup>1)</sup>	23...24 V
LFP800 -G3-827-09 <sup>1)</sup>	23...24 V

<sup>1)</sup> 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

#### Photometrical data

Product description	Color temperature	Color rendering index Ra	Light color (designation)	Light color LED	Luminous flux per meter	Luminous flux
LFP800 -G3-824-09 <sup>1)</sup>	2400 K	>80	Warm White	White	800 lm	7200 lm
LFP800 -G3-827-09 <sup>1)</sup>	2400 K	>80	Warm White	White	800 lm	7200 lm

Product description	Luminous efficacy
LFP800 -G3-824-09 <sup>1)</sup>	106 lm/W
LFP800 -G3-827-09 <sup>1)</sup>	113 lm/W

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#### Light technical data

Product description	Beam angle
LFP800 -G3-824-09 <sup>1)</sup>	120 °
LFP800 -G3-827-09 <sup>1)</sup>	120 °

<sup>1)</sup> 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

## Product family datasheet

### LED module information

Product description	Number of LEDs per module	Number of LEDs per meter
LFP800 -G3-824-09 <sup>1)</sup>	630	70
LFP800 -G3-827-09 <sup>1)</sup>	630	70

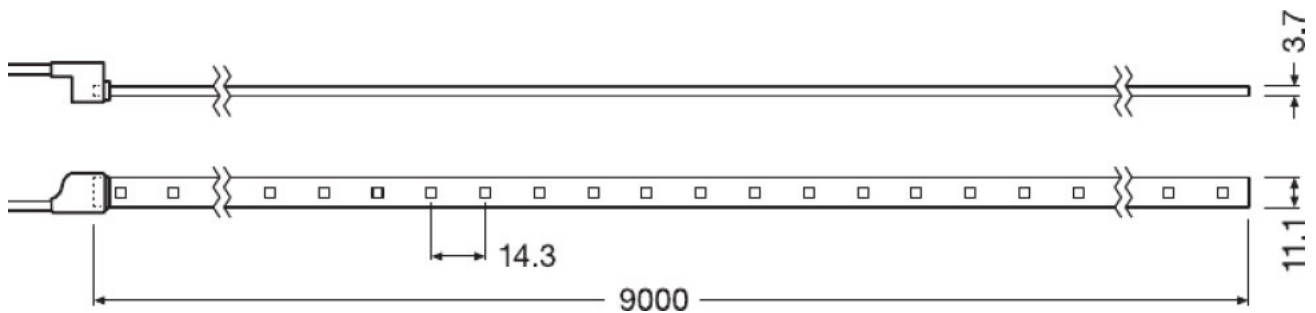
<sup>1)</sup> Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information, see [www.osram.com/led-systems/](http://www.osram.com/led-systems/)All the technical parameters apply to the entire 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

### Dimensions & weight

Product description	Length	Length – smallest unit	Width	Height	Product weight
LFP800 -G3-824-09 <sup>1)</sup>	9000 mm	100.0 mm	11.1 mm	3.7 mm	523.00 g
LFP800 -G3-827-09 <sup>1)</sup>	9000 mm	100.0 mm	11.1 mm	3.7 mm	523.00 g

<sup>1)</sup> 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

### Product line drawing



LFP800 -G3-824-09, LFP800 -G3-827-09

## Product family datasheet

### Colors & materials

Product description	Cover material	Body material
LFP800 -G3-824-09 <sup>1)</sup>	Silicone	Silicone
LFP800 -G3-827-09 <sup>1)</sup>	Silicone	Silicone

<sup>1)</sup> 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

### Temperatures & operating conditions

Product description	Temperature range in operation
LFP800 -G3-824-09 <sup>1)</sup>	-20...70 °C
LFP800 -G3-827-09 <sup>1)</sup>	-20...70 °C

<sup>1)</sup> 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

### Lifespan

Product description	Lifespan
LFP800 -G3-824-09 <sup>1)</sup>	50000 h <sup>2)</sup>
LFP800 -G3-827-09 <sup>1)</sup>	50000 h <sup>2)</sup>

<sup>1)</sup> 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

<sup>2)</sup> L70/B50 at T<sub>c</sub> 40 °C

### Capabilities

Product description	Dimmable
LFP800 -G3-824-09 <sup>1)</sup>	Yes
LFP800 -G3-827-09 <sup>1)</sup>	Yes

<sup>1)</sup> 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

## Product family datasheet

### Certificates & standards

Product description	Energy consumption	Type of protection	Energy efficiency class
LFP800 -G3-824-09 <sup>1)</sup>	75 kWh/1000h	IP67	A+ <sup>2)</sup>
LFP800 -G3-827-09 <sup>1)</sup>	70 kWh/1000h	IP67	A++ <sup>2)</sup>

Product description	Standards
LFP800 -G3-824-09 <sup>1)</sup>	UL/CE; ENEC 10 VDE
LFP800 -G3-827-09 <sup>1)</sup>	UL/CE; ENEC 10 VDE

<sup>1)</sup> 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

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

### Logistical data

Product description	Temperature range at storage
LFP800 -G3-824-09 <sup>1)</sup>	-40...85 °C
LFP800 -G3-827-09 <sup>1)</sup>	-40...85 °C

<sup>1)</sup> 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

- 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](http://www.osram.com)

### Download Data

File
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## Product family datasheet

	Brochures Light is freedom of design (EN)
	Certificates VDE-ENEC Certificate
	Certificates EAC Certificate
	Certificates VDE-ENEC+ Certificate
	Certificates Certificate of Compliance
	Declarations of conformity Declaration of conformity
	Declarations of conformity Manufacturer declaration
	Eulumdat Eulumdat LFP800-G3-824
	IES data IES LFP800-G3-824
	Eulumdat Eulumdat LFP800-G3-827
	IES data IES LFP800-G3-827

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899481565	LFP800 -G3-824-09	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm <sup>3</sup>	8402.00 g
4052899481589	LFP800 -G3-827-09	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm <sup>3</sup>	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.