

## LINEARlight FLEX POWER 2000

LED modules for professional and industrial applications



### Areas of application

- Architecture lighting
- Cove lighting
- Ceiling integration

### Product benefits

- Large selection of light colors
- Great design freedom thanks to flexibility and cuttability of module
- Simple mounting and connection
- Toolless connection with the optional CONNECTsystem
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- "Shop White" versions available for great color rendering without yellowing effect
- Extraordinary design and high quality materials
- Type of protection: IP00

### Product features

- Flexible and cuttable LED strip
- Luminous flux: up to 2,000 lm/m
- Module efficacy: up to 147 lm/W
- Dimmable (with many common dimmers)
- Fine White (3 SDCM)



# Product family datasheet

## Technical data

### Electrical data

Product description	Nominal voltage	Rated wattage	Reverse Voltage	Input voltage range
LF2000 -G3-820-04 <sup>1)</sup>	24.0 V	80.50 W	25 V	23...25 V
LF2000 -G3-824-04 <sup>1)</sup>	24.0 V	80.50 W	25 V	23...25 V
LF2000 -G3-827-04 <sup>1)</sup>	24.0 V	67.30 W	25 V	23...25 V
LF2000 -G3-830-04 <sup>1)</sup>	24.0 V	67.30 W	25 V	23...25 V
LF2000 -G3-840-04 <sup>1)</sup>	24.0 V	61.30 W	25 V	23...25 V
LF2000 -G3-850-04 <sup>1)</sup>	24.0 V	61.30 W	25 V	23...25 V
LF2000 -G3-865-04 <sup>1)</sup>	24.0 V	61.30 W	25 V	23...25 V
LF2000 -G3-927-04 <sup>1)</sup>	24.0 V	80.50 W	25 V	23...25 V
LF2000 -G3-930-04 <sup>1)</sup>	24.0 V	80.50 W	25 V	23...25 V
LF2000 -G3-940-04 <sup>1)</sup>	24.0 V	73.40 W	25 V	23...25 V
LF2000 -G3-SW30-04 <sup>1)</sup>	24.0 V	80.60 W		23...25 V
LF2000 -G3-SW40-04 <sup>1)</sup>	24.0 V	80.60 W		23...25 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	Light color (designation)	Light color LED	Luminous efficacy	Color rendering index Ra
LF2000 -G3-820-04 <sup>1)</sup>	2000 K	Warm Comfort Light	White	92 lm/W	>80
LF2000 -G3-824-04 <sup>1)</sup>	2400 K	Warm Comfort Light	White	112 lm/W	>80
LF2000 -G3-827-04 <sup>1)</sup>	2700 K	Warm White	White	134 lm/W	>80
LF2000 -G3-830-04 <sup>1)</sup>	3000 K	White	White	134 lm/W	>80
LF2000 -G3-840-04 <sup>1)</sup>	4000 K	Cool White	White	147 lm/W	>80
LF2000 -G3-850-04 <sup>1)</sup>	5000 K	Daylight	White	147 lm/W	>80
LF2000 -G3-865-04 <sup>1)</sup>	6500 K	Cool Daylight	White	147 lm/W	>80
LF2000 -G3-927-04 <sup>1)</sup>	2700 K	Warm White	White	101 lm/W	>90
LF2000 -G3-930-04 <sup>1)</sup>	3000 K	White	White	112 lm/W	>90
LF2000 -G3-940-04 <sup>1)</sup>	4000 K	Cool White	White	123 lm/W	>90
LF2000 -G3-SW30-04 <sup>1)</sup>	3000 K	Warm White	White		>80
LF2000 -G3-SW40-04 <sup>1)</sup>	4000 K	White	White		>80

<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

### Light technical data

Product description	Beam angle
LF2000 -G3-820-04 <sup>1)</sup>	120 °
LF2000 -G3-824-04 <sup>1)</sup>	120 °
LF2000 -G3-827-04 <sup>1)</sup>	120 °
LF2000 -G3-830-04 <sup>1)</sup>	120 °
LF2000 -G3-840-04 <sup>1)</sup>	120 °
LF2000 -G3-850-04 <sup>1)</sup>	120 °
LF2000 -G3-865-04 <sup>1)</sup>	120 °
LF2000 -G3-927-04 <sup>1)</sup>	120 °
LF2000 -G3-930-04 <sup>1)</sup>	120 °
LF2000 -G3-940-04 <sup>1)</sup>	120 °
LF2000 -G3-SW30-04 <sup>1)</sup>	120 °
LF2000 -G3-SW40-04 <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

### LED module information

Product description	Number of LEDs per module	Number of LEDs per meter
LF2000 -G3-820-04 <sup>1)</sup>	315	70
LF2000 -G3-824-04 <sup>1)</sup>	315	70
LF2000 -G3-827-04 <sup>1)</sup>	315	70
LF2000 -G3-830-04 <sup>1)</sup>	315	70
LF2000 -G3-840-04 <sup>1)</sup>	315	70
LF2000 -G3-850-04 <sup>1)</sup>	315	70
LF2000 -G3-865-04 <sup>1)</sup>	315	70
LF2000 -G3-927-04 <sup>1)</sup>	315	70
LF2000 -G3-930-04 <sup>1)</sup>	315	70
LF2000 -G3-940-04 <sup>1)</sup>	315	70
LF2000 -G3-SW30-04 <sup>1)</sup>		70
LF2000 -G3-SW40-04 <sup>1)</sup>		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

## Product family datasheet

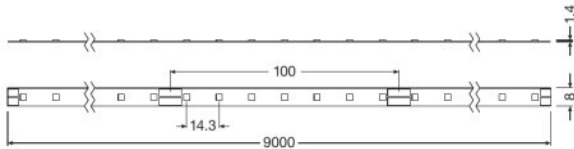
### Dimensions & weight

Product description	Length	Width	Height	Product weight	Length – smallest unit
LF2000 -G3-820-04 <sup>1)</sup>	4500 mm	8.0 mm	1.4 mm	58.00 g	100.0 mm
LF2000 -G3-824-04 <sup>1)</sup>	4500 mm	8.0 mm	1.4 mm	58.00 g	100.0 mm
LF2000 -G3-827-04 <sup>1)</sup>	4500 mm	8.0 mm	1.4 mm	58.00 g	100.0 mm
LF2000 -G3-830-04 <sup>1)</sup>	4500 mm	8.0 mm	1.4 mm	58.00 g	100.0 mm
LF2000 -G3-840-04 <sup>1)</sup>	4500 mm	8.0 mm	1.4 mm	58.00 g	100.0 mm
LF2000 -G3-850-04 <sup>1)</sup>	4500 mm	8.0 mm	1.4 mm	58.00 g	100.0 mm
LF2000 -G3-865-04 <sup>1)</sup>	4500 mm	8.0 mm	1.4 mm	58.00 g	100.0 mm
LF2000 -G3-927-04 <sup>1)</sup>	4500 mm	8.0 mm	1.4 mm	58.00 g	100.0 mm
LF2000 -G3-930-04 <sup>1)</sup>	4500 mm	8.0 mm	1.4 mm	58.00 g	100.0 mm
LF2000 -G3-940-04 <sup>1)</sup>	4500 mm	8.0 mm	1.4 mm	58.00 g	100.0 mm
LF2000 -G3-SW30-04 <sup>1)</sup>	4500 mm	8.0 mm		58.00 g	100.0 mm
LF2000 -G3-SW40-04 <sup>1)</sup>	4500 mm	8.0 mm		58.00 g	100.0 mm

<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

### Product line drawing



LF2000 -G3-820-04, LF2000 -G3-824-04, LF2000 -G3-827-04, LF2000 -G3-830-04, LF2000 -G3-840-04, LF2000 -G3-850-04, LF2000 -G3-865-04, LF2000 -G3-927-04, LF2000 -G3-930-04, LF2000 -G3-940-04, LF2000 -G3-SW30-04, LF2000 -G3-SW40-04

### Temperatures & operating conditions

Product description	Temperature range in operation
LF2000 -G3-820-04 <sup>1)</sup>	-20...75 °C
LF2000 -G3-824-04 <sup>1)</sup>	-20...75 °C
LF2000 -G3-827-04 <sup>1)</sup>	-20...75 °C
LF2000 -G3-830-04 <sup>1)</sup>	-20...75 °C
LF2000 -G3-840-04 <sup>1)</sup>	-20...75 °C
LF2000 -G3-850-04 <sup>1)</sup>	-20...75 °C
LF2000 -G3-865-04 <sup>1)</sup>	-20...75 °C
LF2000 -G3-927-04 <sup>1)</sup>	-20...75 °C
LF2000 -G3-930-04 <sup>1)</sup>	-20...75 °C
LF2000 -G3-940-04 <sup>1)</sup>	-20...75 °C
LF2000 -G3-SW30-04 <sup>1)</sup>	
LF2000 -G3-SW40-04 <sup>1)</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

## Product family datasheet

the typical values

### Certificates & standards

Product description	Standards
LF2000 -G3-820-04 <sup>1)</sup>	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF2000 -G3-824-04 <sup>1)</sup>	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF2000 -G3-827-04 <sup>1)</sup>	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF2000 -G3-830-04 <sup>1)</sup>	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF2000 -G3-840-04 <sup>1)</sup>	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF2000 -G3-850-04 <sup>1)</sup>	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF2000 -G3-865-04 <sup>1)</sup>	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF2000 -G3-927-04 <sup>1)</sup>	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF2000 -G3-930-04 <sup>1)</sup>	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF2000 -G3-940-04 <sup>1)</sup>	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF2000 -G3-SW30-04 <sup>1)</sup>	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10
LF2000 -G3-SW40-04 <sup>1)</sup>	CE/UL/ENEC/EAC/VDE/Acc. to ENEC 10

<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

### Logistical data

Product description	Temperature range at storage
LF2000 -G3-820-04 <sup>1)</sup>	-40...80 °C
LF2000 -G3-824-04 <sup>1)</sup>	-40...80 °C
LF2000 -G3-827-04 <sup>1)</sup>	-40...80 °C
LF2000 -G3-830-04 <sup>1)</sup>	-40...80 °C
LF2000 -G3-840-04 <sup>1)</sup>	-40...80 °C
LF2000 -G3-850-04 <sup>1)</sup>	-40...80 °C
LF2000 -G3-865-04 <sup>1)</sup>	-40...80 °C
LF2000 -G3-927-04 <sup>1)</sup>	-40...80 °C
LF2000 -G3-930-04 <sup>1)</sup>	-40...80 °C
LF2000 -G3-940-04 <sup>1)</sup>	-40...80 °C
LF2000 -G3-SW30-04 <sup>1)</sup>	
LF2000 -G3-SW40-04 <sup>1)</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

### Equipment / Accessories

- Simplified connection with optional matching CONNECTsystem
- Quick installation with optional SLIM TRACK System

## Product family datasheet

– Perfectly matched to OPTOTRONIC 24 V electronic control gears

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### Application advice

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











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### Sales and Technical Support

Sales and Technical Support [www.osram.com](http://www.osram.com)

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### Download Data

File	
	Brochures Light is freedom of design (EN)
	Certificates EAC Certificate
	Certificates UL Certificate
	Certificates ENEC10_VDE Certificate
	Certificates ENEC+_VDE Certificate
	Declarations of conformity EU Declaration of conformity
	Declarations of conformity Manufacturer declaration
	Eulumdat 727165_LF2000-G3-820-04_LDT
	IES data 727164_LF2000-G3-820-04_IES
	Eulumdat 727167_LF2000-G3-824-04_LDT
	IES data 727166_LF2000-G3-824-04_IES
	Eulumdat 727169_LF2000-G3-827-04_LDT
	IES data 727168_LF2000-G3-827-04_IES
	Eulumdat 727171_LF2000-G3-830-04_LDT
	IES data 727170_LF2000-G3-830-04_IES

## Product family datasheet

	Eulumdat 727173_LF2000-G3-840-04_LDT
	IES data 727172_LF2000-G3-840-04_IES
	Eulumdat 727175_LF2000-G3-850-04_LDT
	IES data 727174_LF2000-G3-850-04_IES
	Eulumdat 727177_LF2000-G3-865-04_LDT
	IES data 727176_LF2000-G3-865-04_IES
	Eulumdat 727179_LF2000-G3-927-04_LDT
	IES data 727178_LF2000-G3-927-04_IES
	Eulumdat 727181_LF2000-G3-930-04_LDT
	IES data 727180_LF2000-G3-930-04_IES
	Eulumdat 727183_LF2000-G3-940-04_LDT
	IES data 727182_LF2000-G3-940-04_IES
	Eulumdat 727185_LF2000-G3-SW30-04_LDT
	IES data 727184_LF2000-G3-SW30-04_IES
	Eulumdat 727187_LF2000-G3-SW40-04_LDT
	IES data 727186_LF2000-G3-SW40-04_IES

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899952980	LF2000 -G3-820-04	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm <sup>3</sup>	1397.00 g
4052899952997	LF2000 -G3-824-04	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm <sup>3</sup>	1397.00 g
4052899953000	LF2000 -G3-827-04	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm <sup>3</sup>	1397.00 g
4052899953017	LF2000 -G3-830-04	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm <sup>3</sup>	1397.00 g



## Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899953024	LF2000 -G3-840-04	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm <sup>3</sup>	1397.00 g
4052899953031	LF2000 -G3-850-04	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm <sup>3</sup>	1637.00 g
4052899953048	LF2000 -G3-865-04	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm <sup>3</sup>	1397.00 g
4052899963993	LF2000 -G3-927-04	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm <sup>3</sup>	1397.00 g
4052899964006	LF2000 -G3-930-04	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm <sup>3</sup>	1397.00 g
4052899964013	LF2000 -G3-940-04	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm <sup>3</sup>	1397.00 g
4052899964020	LF2000 -G3-SW30-04	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm <sup>3</sup>	1397.00 g
4052899964037	LF2000 -G3-SW40-04	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm <sup>3</sup>	1397.00 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.

### Accessories Optional

Product description	Accessory name	Accessory code
LF2000 -G3-820-04	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF2000 -G3-820-04	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF2000 -G3-820-04	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF2000 -G3-824-04	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF2000 -G3-824-04	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF2000 -G3-824-04	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF2000 -G3-827-04	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF2000 -G3-827-04	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF2000 -G3-827-04	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF2000 -G3-830-04	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF2000 -G3-830-04	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF2000 -G3-830-04	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF2000 -G3-840-04	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF2000 -G3-840-04	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF2000 -G3-840-04	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF2000 -G3-850-04	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF2000 -G3-850-04	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
		▶

## Product family datasheet

LF2000 -G3-850-04	LINEARlight FLEX, -SC08-G2-CT4PJ	4052899464872
LF2000 -G3-865-04	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF2000 -G3-865-04	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF2000 -G3-865-04	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF2000 -G3-927-04	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF2000 -G3-927-04	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF2000 -G3-927-04	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF2000 -G3-930-04	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF2000 -G3-930-04	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF2000 -G3-930-04	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF2000 -G3-940-04	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF2000 -G3-940-04	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF2000 -G3-940-04	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872

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### References / Links

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

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### Disclaimer

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