

LINEARlight FLEX POWER 4000

LED modules for professional and industrial applications



Areas of application

- Cove lighting
- Ceiling integration

Product benefits

- Single bin technology for very good color consistency over time and space
- Large selection of light colors
- Large selection of white tones
- High luminous flux suitable for general lighting
- "Shop White" versions available for great color rendering without yellowing effect
- Great design freedom thanks to flexibility and cuttability of module
- Extraordinary design and high quality materials
- Simple mounting and connection
- Toolless connection with the optional CONNECTsystem
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back

Product features

- Flexible and cuttable LED strip
- Luminous flux: up to 3,800 lm/m
- Module efficacy: up to 133 lm/W
- Dimmable with PWM technology



Product family datasheet

- Fine White (3 SDCM)
- High CRI versions: typical average value 95

Product family datasheet

Technical data

Electrical data

Product description	Nominal voltage	Type of current	Nominal wattage per meter	Rated wattage	Input voltage range	Reverse Voltage
LF4000 -G3-827-03 ¹⁾	24.0 V	DC	28.9 W	86.70 W	23...25 V	25 V
LF4000 -G3-830-03 ¹⁾	24.0 V	DC	28.9 W	86.70 W	23...25 V	25 V
LF4000 -G3-840-03 ¹⁾	24.0 V	DC	28.9 W	86.70 W	23...25 V	25 V
LF4000 -G3-850-03 ¹⁾	24.0 V	DC	28.9 W	86.70 W	23...25 V	25 V
LF4000 -G3-865-03 ¹⁾	24.0 V	DC	28.9 W	86.70 W	23...25 V	25 V

¹⁾ See product remark

Photometrical data

Product description	Light color LED	Color temperature	Color rendering index Ra	Luminous flux per meter	Total useful luminous flux	Luminous efficacy
LF4000 -G3-827-03 ¹⁾	White	2700 K	>80	3750 lm	11250 lm	133 lm/W
LF4000 -G3-830-03 ¹⁾	White	3000 K	>80	3750 lm	11250 lm	133 lm/W
LF4000 -G3-840-03 ¹⁾	White	4000 K	>80	3850 lm	11250 lm	133 lm/W
LF4000 -G3-850-03 ¹⁾	White	5000 K	>80	3850 lm	11250 lm	133 lm/W
LF4000 -G3-865-03 ¹⁾	White	6500 K	>80	3850 lm	11250 lm	133 lm/W

Product description	Light color (designation)
LF4000 -G3-827-03 ¹⁾	Warm White
LF4000 -G3-830-03 ¹⁾	White
LF4000 -G3-840-03 ¹⁾	Cool White
LF4000 -G3-850-03 ¹⁾	Daylight
LF4000 -G3-865-03 ¹⁾	Cool Daylight

¹⁾ See product remark

Light technical data

Product description	LED pitch	Beam angle
LF4000 -G3-827-03 ¹⁾	14.3 mm	120 °
LF4000 -G3-830-03 ¹⁾	14.3 mm	120 °
LF4000 -G3-840-03 ¹⁾	14.3 mm	120 °
LF4000 -G3-850-03 ¹⁾	14.3 mm	120 °
LF4000 -G3-865-03 ¹⁾	14.3 mm	120 °

¹⁾ See product remark

Product family datasheet

LED module information

Product description	Number of LEDs per meter	Number of LEDs per smallest unit
LF4000 -G3-827-03 ¹⁾	70	7
LF4000 -G3-830-03 ¹⁾	70	7
LF4000 -G3-840-03 ¹⁾	70	7
LF4000 -G3-850-03 ¹⁾	70	7
LF4000 -G3-865-03 ¹⁾	70	7

¹⁾ See product remark

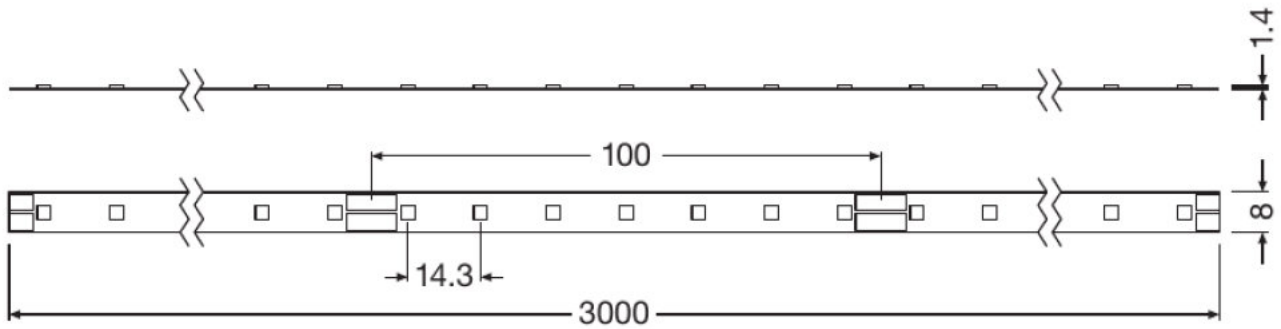
Dimensions & weight

Product description	Length	Length – smallest unit	Width	Height	Product weight
LF4000 -G3-827-03 ¹⁾	3000 mm	100.0 mm	8.0 mm	1.4 mm	39.00 g
LF4000 -G3-830-03 ¹⁾	3000 mm	100.0 mm	8.0 mm	1.4 mm	39.00 g
LF4000 -G3-840-03 ¹⁾	3000 mm	100.0 mm	8.0 mm	1.4 mm	39.00 g
LF4000 -G3-850-03 ¹⁾	3000 mm	100.0 mm	8.0 mm	1.4 mm	39.00 g
LF4000 -G3-865-03 ¹⁾	3000 mm	100.0 mm	8.0 mm	1.4 mm	39.00 g

¹⁾ See product remark

Product family datasheet

Product line drawing



LF4000 -G3-827-03, LF4000 -G3-830-03, LF4000 -G3-840-03, LF4000 -G3-850-03, LF4000 -G3-865-03

Temperatures & operating conditions

Product description	Performance temp. acc. to IEC 62717	Temperature range in operation at Tc point	Ambient temperature range
LF4000 -G3-827-03 ¹⁾	60 °C	-20...90 °C ²⁾	-20...+50 °C ³⁾
LF4000 -G3-830-03 ¹⁾	60 °C	-20...90 °C ²⁾	-20...+50 °C ³⁾
LF4000 -G3-840-03 ¹⁾	60 °C	-20...90 °C ²⁾	-20...+50 °C ³⁾
LF4000 -G3-850-03 ¹⁾	60 °C	-20...90 °C ²⁾	-20...+50 °C ³⁾
LF4000 -G3-865-03 ¹⁾	60 °C	-20...90 °C ²⁾	-20...+50 °C ³⁾

¹⁾ See product remark

²⁾ Exceeding the maximum ratings will reduce expected life time or destroy the LED strip.

³⁾ Rated ambient temp. 25°C/Providing that temperature at Tc point is below max value during operation/Temperature ramping for environmental testing acc. to IEC 62717, 1K/min

Product family datasheet

Lifespan

Product description	Rated lamp life time	Nominal lamp life time
LF4000 -G3-827-03 ¹⁾	60000 h ²⁾	60000 h
LF4000 -G3-830-03 ¹⁾	60000 h ²⁾	60000 h
LF4000 -G3-840-03 ¹⁾	60000 h ²⁾	60000 h
LF4000 -G3-850-03 ¹⁾	60000 h ²⁾	60000 h
LF4000 -G3-865-03 ¹⁾	60000 h ²⁾	60000 h

¹⁾ See product remark

²⁾ L70/B50 at T_c 40 °C

Capabilities

Product description	Dimmable	Lowest bending radius	Self-adhesive
LF4000 -G3-827-03 ¹⁾	Yes	20 mm	Yes
LF4000 -G3-830-03 ¹⁾	Yes	20 mm	Yes
LF4000 -G3-840-03 ¹⁾	Yes	20 mm	Yes
LF4000 -G3-850-03 ¹⁾	Yes	20 mm	Yes
LF4000 -G3-865-03 ¹⁾	Yes	20 mm	Yes

Product description	With connection set	With end piece
LF4000 -G3-827-03 ¹⁾	Yes	No
LF4000 -G3-830-03 ¹⁾	Yes	No
LF4000 -G3-840-03 ¹⁾	Yes	No
LF4000 -G3-850-03 ¹⁾	Yes	No
LF4000 -G3-865-03 ¹⁾	Yes	No

¹⁾ See product remark

Certificates & standards

Product description	Energy efficiency class	Energy consumption	Standards
LF4000 -G3-827-03 ¹⁾	A+	95 kWh/1000h	CE; ENEC 10 VDE/EAC/UL Recognized component according UL 8750
LF4000 -G3-830-03 ¹⁾	A+	95 kWh/1000h	CE; ENEC 10 VDE/EAC/UL Recognized component according UL 8750
LF4000 -G3-840-03 ¹⁾	A+	95 kWh/1000h	CE; ENEC 10 VDE/EAC/UL Recognized component according UL 8750
LF4000 -G3-850-03 ¹⁾	A+	95 kWh/1000h	CE; ENEC 10 VDE/EAC/UL Recognized component according UL 8750
LF4000 -G3-865-03 ¹⁾	A+	95 kWh/1000h	CE; ENEC 10 VDE/EAC/UL Recognized component according UL 8750

Product family datasheet

Product description	Type of protection
LF4000 -G3-827-03 ¹⁾	IP00
LF4000 -G3-830-03 ¹⁾	IP00
LF4000 -G3-840-03 ¹⁾	IP00
LF4000 -G3-850-03 ¹⁾	IP00
LF4000 -G3-865-03 ¹⁾	IP00

¹⁾ See product remark

Logistical data

Product description	Temperature range at storage
LF4000 -G3-827-03 ¹⁾	-40...80 °C
LF4000 -G3-830-03 ¹⁾	-40...80 °C
LF4000 -G3-840-03 ¹⁾	-40...80 °C
LF4000 -G3-850-03 ¹⁾	-40...80 °C
LF4000 -G3-865-03 ¹⁾	-40...80 °C

¹⁾ See product remark

Product remark

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

- Simplified connection with the optional 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

Product family datasheet

Download Data

File	
	User instruction LINEARlight FLEX POWER
	Product Datasheet LINEARlight FLEX POWER Specification Sheet (EN)
	Brochures Light is freedom of design (EN)
	Certificates EAC Certificate
	Certificates UL Certificate
	Certificates ENEC10_VDE Certificate
	Certificates VDE_ENEC+ Certificate
	Certificates CB TEST CERTIFICATE DE1-57844
	Declarations of conformity EU Declaration of conformity
	Declarations of conformity Manufacturer declaration
	Eulumdat 727217_LF4000-G3-827-03_LDT
	IES data 727216_LF4000-G3-827-03_IES
	Eulumdat 727219_LF4000-G3-830-03_LDT
	IES data 727218_LF4000-G3-830-03_IES
	Eulumdat 727221_LF4000-G3-840-03_LDT
	IES data 727220_LF4000-G3-840-03_IES
	Eulumdat 727223_LF4000-G3-850-03_LDT
	IES data 727222_LF4000-G3-850-03_IES
	Eulumdat 727225_LF4000-G3-865-03_LDT
	IES data 727224_LF4000-G3-865-03_IES

Logistical Data

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899952867	LF4000 -G3-827-03	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1485.00 g
4052899952874	LF4000 -G3-830-03	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1245.00 g
4052899952881	LF4000 -G3-840-03	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1245.00 g
4052899952898	LF4000 -G3-850-03	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1245.00 g
4052899952904	LF4000 -G3-865-03	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1245.00 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
LF4000 -G3-827-03	FX -SC08-G2-CT2PF-0500	▶ 4052899464735
LF4000 -G3-827-03	FX -SC08-G2-CT2PF-1000	▶ 4052899464766
LF4000 -G3-827-03	FX -SC08-G2-CT4PJ	▶ 4052899464858
LF4000 -G3-830-03	FX -SC08-G2-CT2PF-0500	▶ 4052899464735
LF4000 -G3-830-03	FX -SC08-G2-CT2PF-1000	▶ 4052899464766
LF4000 -G3-830-03	FX -SC08-G2-CT4PJ	▶ 4052899464858
LF4000 -G3-840-03	FX -SC08-G2-CT2PF-0500	▶ 4052899464735
LF4000 -G3-840-03	FX -SC08-G2-CT2PF-1000	▶ 4052899464766
LF4000 -G3-840-03	FX -SC08-G2-CT4PJ	▶ 4052899464858
LF4000 -G3-850-03	FX -SC08-G2-CT2PF-0500	▶ 4052899464735
LF4000 -G3-850-03	FX -SC08-G2-CT2PF-1000	▶ 4052899464766
LF4000 -G3-850-03	FX -SC08-G2-CT4PJ	▶ 4052899464858
LF4000 -G3-865-03	FX -SC08-G2-CT2PF-0500	▶ 4052899464735
LF4000 -G3-865-03	FX -SC08-G2-CT2PF-1000	▶ 4052899464766
LF4000 -G3-865-03	FX -SC08-G2-CT4PJ	▶ 4052899464858

References / Links

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

Disclaimer

Product family datasheet

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