

## PRODUCT DATASHEET

### LF2000 -G3-827-04

LINEARlight FLEX POWER 2000 | LED modules for professional and industrial applications



#### AREAS OF APPLICATION

- Architecture lighting
- Cove lighting
- Ceiling integration

#### PRODUCT FAMILY 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 FAMILY FEATURES

- Flexible and cuttable LED strip
- Luminous flux: up to 2,000 lm/m
- Module efficacy: up to 147 lm/W
- Dimmable with PWM technology



– Fine White (3 SDCM)

## TECHNICAL DATA

### Electrical data

<b>Rated wattage</b>	67.30 W
<b>Type of current</b>	DC
<b>Nominal wattage</b>	67.30 W
<b>Nominal wattage per meter</b>	15.0 W
<b>Reverse Voltage</b>	25 V
<b>Nominal voltage</b>	24 V
<b>Input voltage range</b>	23...25 V
<b>Nominal current</b>	2.8 A

### Photometrical data

<b>Light color (designation)</b>	Warm White
<b>Color temperature</b>	2700 K
<b>Standard deviation of color matching</b>	≤3 sdcM
<b>Color rendering index Ra</b>	80
<b>Light color LED</b>	White
<b>Luminous flux per meter</b>	2000 lm
<b>Luminous flux</b>	9000 lm
<b>Luminous efficacy</b>	134 lm/W

### Light technical data

<b>Beam angle</b>	120 °
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### LED module information

<b>Number of LEDs per meter</b>	70
<b>Number of LEDs per module</b>	315
<b>Number of LEDs per smallest unit</b>	7

### Dimensions & weight

<b>LED pitch</b>	14.3 mm
<b>Length</b>	4500 mm
<b>Length – smallest unit</b>	100.0 mm
<b>Width</b>	8.0 mm
<b>Height</b>	1.40 mm
<b>Product weight</b>	58.00 g

### Temperatures & operating conditions

<b>Performance temp. acc. to IEC 62717</b>	45 °C
<b>Ambient temperature range</b>	-20...+50 °C
<b>Temperature range in operation</b>	-20...90 °C <sup>1)</sup>
<b>Maximum temperature at tc test point</b>	75 °C

<sup>1)</sup> Exceeding the maximum ratings will reduce expected life time or destroy the LED strip.

### Lifespan

<b>Rated lamp life time</b>	60000 h
<b>Lifespan</b>	60000 h
<b>Number of switching cycles</b>	≥ 15000
<b>Lifespan</b>	60000 h <sup>1)</sup>

<sup>1)</sup> L70/B50 at T<sub>c</sub> 40 °C

### Additional product data

<b>Product remark</b>	Modules perfectly matched to OSRAM OPTOTRONIC® LED drivers (see relevant table)For current photometric data and important safety, installation and application information (see <a href="http://www.osram.com/led-systems">www.osram.com/led-systems</a> ).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
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### Capabilities

<b>Lowest bending radius</b>	20 mm
<b>Self-adhesive</b>	Yes
<b>Dimmable</b>	Yes
<b>With connection set</b>	Yes
<b>With end piece</b>	No

### Certificates & standards

<b>Energy consumption</b>	74 kWh/1000h
<b>Energy efficiency class</b>	A++ <sup>1)</sup>
<b>Type of protection</b>	IP00
<b>Standards</b>	CE; ENEC 10 VDEEACUL Recognized component according UL 8750

<sup>1)</sup> Applicable on smallest operable unit

### Logistical data












<b>Temperature range at storage</b>	-40...80 °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

**DOWNLOAD DATA**

File	
	User instruction LINEARlight FLEX POWER
	Product Datasheet LINEARlight FLEX POWER Specification Sheet (EN)
	Certificates EAC Certificate
	Certificates UL Certificate
	Certificates ENEC10_VDE Certificate
	Certificates ENEC+_VDE Certificate
	Certificates CB TEST CERTIFICATE DE1-57844
	Declarations of conformity EU Declaration of conformity
	Declarations of conformity Manufacturer declaration
	Eulumat 727169_LF2000-G3-827-04_LDT
	IES data 727168_LF2000-G3-827-04_IES

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899954199	Shipping carton box 8	241 mm x 195 mm x 205 mm	1637.00 g	9.63 dm <sup>3</sup>

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.

**DISCLAIMER**

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