

## PRODUCT DATASHEET

### LFP1200 -G3-830-09

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 FAMILY 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 FAMILY FEATURES

- Flexible and cuttable LED strip
- Luminous flux: up to 1,200 lm/m
- Type of protection: IP67



- Dimmable with PWM technology
- Fine White (3.5 SDCM)

## TECHNICAL DATA

### Electrical data

<b>Rated wattage</b>	95.40 W
<b>Type of current</b>	DC
<b>Nominal wattage</b>	95.40 W
<b>Nominal wattage per meter</b>	10.6 W
<b>Reverse Voltage</b>	25 V
<b>Nominal voltage</b>	24 V
<b>Input voltage range</b>	23...24 V
<b>Nominal current</b>	4 A

### Photometrical data

<b>Light color (designation)</b>	Warm White
<b>Color temperature</b>	3000 K
<b>Standard deviation of color matching</b>	≤4 sdcM
<b>Color rendering index Ra</b>	80
<b>Light color LED</b>	White
<b>Luminous flux per meter</b>	1200 lm
<b>Luminous flux</b>	10800 lm
<b>Luminous efficacy</b>	113 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>	630
<b>Number of LEDs per smallest unit</b>	7

Dimensions & weight



<b>LED pitch</b>	14.3 mm
<b>Length</b>	9000 mm
<b>Length – smallest unit</b>	100.0 mm
<b>Width</b>	11.1 mm
<b>Height</b>	4.80 mm
<b>Product weight</b>	523.00 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...70 °C <sup>1)</sup>
<b>Maximum temperature at tc test point</b>	70 °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>	<p>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.</p> <p>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</p>
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## Capabilities

Lowest bending radius	50 mm
Self-adhesive	Yes
Dimmable	Yes
With connection set	Yes
With end piece	Yes

## Certificates &amp; standards

Energy consumption	105 kWh/1000h
Energy efficiency class	A+
Type of protection	IP67
Standards	CE; ENEC 10 VDEEACUL Recognized component according UL 8750










## Logistical data

Temperature range at storage	-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

## DOWNLOAD DATA

File	
	User instruction LINEARlight FLEX Protect POWER
	Product Datasheet LINEARlight FLEX Protect Power Specification Sheet
	Brochures Light is freedom of design (EN)
	Certificates EAC Certificate
	Certificates VDE ENEC+ Certificate LFP1200-G3
	Certificates ENEC10_VDE Certificate
	Certificates UL Certificate
	Declarations of conformity Declaration of conformity
	Declarations of conformity Manufacturer declaration



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IES data  
IES LFP1200-G3-830

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899481671	Shipping carton box 8	365 mm x 286 mm x 366 mm	7713.00 g	38.21 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.