

PRODUCT DATASHEET

LFP1200 -G3-840-09

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

Rated wattage	80.10 W
Type of current	DC
Nominal wattage	80.10 W
Nominal wattage per meter	8.9 W
Reverse Voltage	25 V
Nominal voltage	24 V
Input voltage range	23...24 V
Nominal current	3.3 A

Photometrical data

Light color (designation)	Cool White
Color temperature	4000 K
Standard deviation of color matching	≤4 sdcM
Color rendering index Ra	80
Light color LED	White
Luminous flux per meter	1200 lm
Luminous flux	10800 lm
Luminous efficacy	135 lm/W

Light technical data

Beam angle	120 °
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LED module information

Number of LEDs per meter	70
Number of LEDs per module	630
Number of LEDs per smallest unit	7

Dimensions & weight



LED pitch	14.3 mm
Length	9000 mm
Length – smallest unit	100.0 mm
Width	11.1 mm
Height	4.80 mm
Product weight	523.00 g

Temperatures & operating conditions

Performance temp. acc. to IEC 62717	40 °C
Ambient temperature range	-20...+50 °C
Temperature range in operation	-20...70 °C ¹⁾
Maximum temperature at tc test point	70 °C

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

Lifespan

Rated lamp life time	60000 h
Lifespan	60000 h
Number of switching cycles	15000
Lifespan	60000 h ¹⁾

¹⁾ L70/B50 at T_c 40 °C

Additional product data

Product remark	<p>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.</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 & standards

Energy consumption	88 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-G3-840

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899481695	Shipping carton box 8	365 mm x 286 mm x 366 mm	8402.00 g	38.21 dm ³

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.