

LF05E -R1

LINEARlight FLEX | Colored flexible LED strips, cuttable



Areas of application

- Injection of light into displays and low-profile light guides
- Information signs, advertising or display cabinet lighting
- Backlighting of complex contours
- For decorative applications: LF05A
- Small coves and decorative applications

Product family benefits

- Low height for low-profile surface/enclosed mounting
- Low thermal output
- Flexible 3-D mounting possible
- Flexible board with double-sided adhesive tape for simple mounting
- LF05A with smaller dimensions and additional cutting options thanks to the use of the LF-2TERM end cap

Product family features

- Can be divided into the smallest unit or multiples thereof without affecting the function of the remainder of the board
- Dimmable by pulse width modulation (PWM)



Product datasheet

Technical data

Electrical data

Type of current	DC
Accidental reverse input voltage protection up to	25 V
Nominal wattage	36.00 W
Nominal voltage	24.0 V
Nominal current	1.5 A
Input voltage range	23...25 V

Photometrical data

Light color (designation)	Red
Nominal dominant wavelength	625 nm
Luminous flux	840 lm
Light color LED	Red

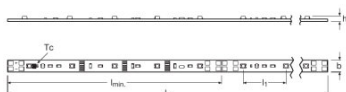
Light technical data

Beam angle	120 °
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LED module information

Number of LEDs per smallest unit	5
Number of LEDs per module	200

Dimensions & weight



Length	6000 mm ¹⁾
Length – smallest unit	150.0 mm
Width	8.0 mm
Height	2.5 mm
Product weight	39.00 g

Product datasheet

¹⁾ LED pitch 30 mm

Temperatures & operating conditions

Temperature range in operation at T _c point	-30...75 °C ¹⁾
Temperature range at storage	-40...+85 °C

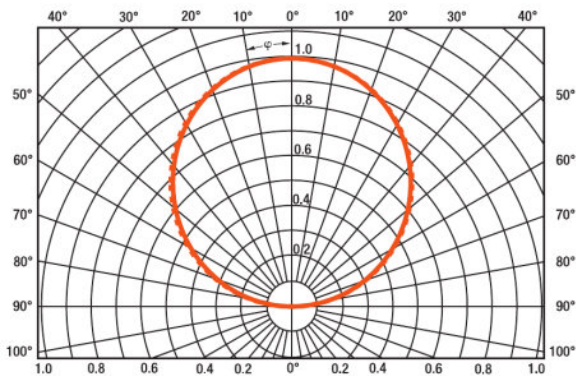
¹⁾ At the T_c point

Lifespan

Lifespan	50000 h ¹⁾
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¹⁾ L70/B50 at T_c 40 °C

Additional product data



Luminous intensity distribution

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 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 datasheet

Capabilities

Dimmable	Yes ¹⁾
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¹⁾ PWM

Certificates & standards

Standards	Acc. to 2004/108/EC
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Logistical data

Commodity code	940540399000
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Equipment / Accessories

– Simplified connection with the optional CONNECTsystem

Download Data

File	
	Product Datasheet 334085_LINEARlight Flex LF05E (EN)
	Eulmdat 322538_LF05E R1

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321955418	LF05E -R1	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1481.00 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.

Disclaimer

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