

LF05E -Y1

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) | Yellow |
| Nominal dominant wavelength | 587 nm |
| Luminous flux | 840 lm |
| Light color LED | Yellow |

Light technical data

| | |
|------------|-------|
| Beam angle | 120 ° |
|------------|-------|

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 |

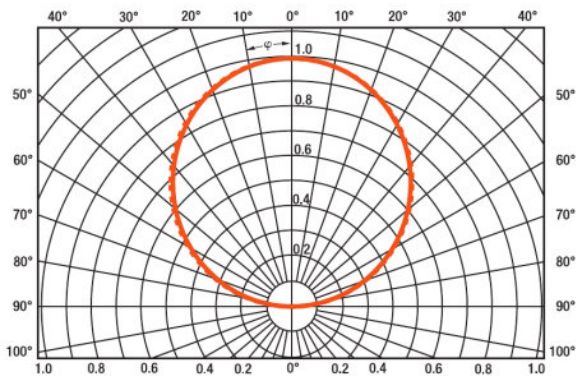
¹⁾ At the T_c point

Lifespan

| | |
|----------|-----------------------|
| Lifespan | 50000 h ¹⁾ |
|----------|-----------------------|

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⁾ |
|----------|-------------------|

¹⁾ PWM

Certificates & standards

| | |
|-----------|---------------------|
| Standards | Acc. to 2004/108/EC |
|-----------|---------------------|



Logistical data

| | |
|----------------|--------------|
| Commodity code | 940540399000 |
|----------------|--------------|

Equipment / Accessories

– Simplified connection with the optional CONNECTsystem

Download Data

| File | |
|---|---|
|  | Product Datasheet 334085_LINEARlight Flex LF05E (EN) |
|  | Eulmdat 322544_LF05E Y1 |

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|---------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4008321955432 | LF05E -Y1 | 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.