

## LF1200S -G5-930R-05 L1

LINEARlight FLEX Uniformity IP00 | Moduli LED per applicazioni professionali e industriali



### Caratteristiche prodotto

- 24 V LED strips flexible and cuttable, 50 mm cut unit
- Available variants: 800 lm/m 1200 lm/m 2000 lm/m / CRI Ra: 95+ 90+ and 80+
- Up to 60,000 h L90/B10 with SDT technology, tested acc. to IEC 62717 on real LED strips
- Stable light flux over length: active constant current regulators (ICs), PWM safe
- Embedded automatic quick protection against accidental miswiring up to 25 V
- Fully PWM dimmable from zero up to 2.5 kHz, audible noise free, suitable for quite places
- Designed, engineered and manufactured and tested in Italy (ISO9001, ISO 17025, ACCREDIA, VDE)

### Vantaggi prodotto

- Color uniformity better than 2 SDCM on the entire LED strip and between strips
- Light stability over time typically 1 SDCM, tested acc. to IEC 62717 @ 6,000 h
- LED lifetime acc.to IES LM-80 and IES TM-21 standards, and also internal OSRAM LAB tests
- Reliable photometric parameters according to IES LM-79, EN13032-4 and CIE S 025
- Accurate description of the color rendition of the light source acc. to IES TM-30-15
- Excellent robustness: single reel manufacturing technology (no solder joints on strip)
- Vibration-resistant for stationary installations acc. to IEC60068-2-6 and IEC60068-2-64
- Flicker and stroboscopic effect-free acc. to IEC TR 61547-1 and IEC TR 63158
- Tested by accredited Product Qualification Lab. ISO9001, ISO 17025, ACCREDIA, VDE
- Facile installazione su molte superfici lisce grazie al nastro autoadesivo sul lato posteriore



## Scheda prodotto

### Dati tecnici

#### Dati elettrici

|   |           |
|---|-----------|
| Tensione nominale                                 | 24,0 V    |
| Tipo di corrente                                  | DC        |
| Potenza nominale al metro                         | 10,9 W    |
| Potenza di costruzione                            | 54,50 W   |
| Gamma di tensione                                 | 23...25 V |
| Accidental reverse input voltage protection up to | 25 V      |

#### Dati fotometrici

|                                      |          |
|--------------------------------------|----------|
| Tonalità di luce del LED             | bianco   |
| Indice di resa cromatica Ra          | 95       |
| Flusso luminoso al metro             | 1200 lm  |
| Flusso luminoso utile totale         | 6000 lm  |
| Efficienza luminosa                  | 110 lm/W |
| Standard Deviation of Color Matching | ≤3 sdcM  |
| Colore della luce (descrizione)      | 3000 K   |
| Temperatura di colore                | 3000 K   |

#### Dati illuminotecnici

|                               |          |
|-------------------------------|----------|
| LED pitch                     | 7.14 mm  |
| Ampiezza fascio luminoso      | 120 °    |
| Tempo innesco                 | < 0,5 s  |
| Tempo di riscaldamento (60 %) | < 0,50 s |

#### Informazioni sul modulo LED

|                                     |     |
|-------------------------------------|-----|
| Numero di LED al metro              | 140 |
| Numero di LED per unità più piccola | 7   |

## Dimensioni e peso



|  |                     |
|--|---------------------|
| <b>Lunghezza</b>                       | 5000,0 mm           |
| <b>Lunghezza unità più piccola</b>     | 50,0 mm             |
| <b>Lunghezza del cavo</b>              | 500,0               |
| <b>Peso prodotto</b>                   | 62,00 g             |
| <b>Sezione dei cavi, lato ingresso</b> | 0,5 mm <sup>2</sup> |
| <b>Larghezza</b>                       | 8,00 mm             |
| <b>Altezza</b>                         | 1,40 mm             |

## Temperature e condizioni di utilizzo

|  |                            |
|--|----------------------------|
| <b>Performance temp. acc. to IEC 62717</b> | 40 °C                      |
| <b>Temperatura di funzionamento</b>        | -30...85 °C <sup>1)</sup>  |
| <b>Temperatura ambiente</b>                | -30...+50 °C <sup>2)</sup> |
| <b>Temperatura di stoccaggio</b>           | -40...85 °C                |

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

<sup>2)</sup> Rated ambient temp. 25°C/Providing that temperature at Tc point is below max value during operation/Temperature ramping for environmental testing acc. to IEC 62717, 1K/min

## Durata

|   |         |
|---|---------|
| <b>Durata caratteristica della lampada</b>      | 60000 h |
| <b>Durata nominale della lampada</b>            | 60000 h |
| <b>Fattore manten. flus lum fine durata nom</b> | 0,70    |
| <b>Numero cicli accensione / spegnimento</b>    | 15000   |

## Dati di prodotto aggiuntivi

|   |               |
|---|---------------|
| <b>ID of contained light source [GMS]</b> | LS_TRV_286034 |
|---|---------------|

## Caratteristiche

|                              |       |
|------------------------------|-------|
| <b>Lowest bending radius</b> | 20 mm |
|------------------------------|-------|

## Scheda prodotto

### Certificati, Norme, Direttive

|   |                |
|---|----------------|
| Consumo di energia                                    | 60 kWh/1000h   |
| Norme   | CE/ENEC/EAC/UL |
| Grado di protezione                                   | IP00           |
| Energy efficiency class of the contained light source | F              |







### Dati logistici

|                         |              |
|-------------------------|--------------|
| Codice prodotto di base | 853951000000 |
|-------------------------|--------------|

### Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |  |
|---|--|
| Date of Declaration   | 13-03-2023   |
| Primary Article Identifier  | 4062172171533  |
| Candidate List Substance 1  | Lead   |
| CAS No. of substance 1  | 7439-92-1  |
| Safe Use Instruction  | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| Declaration No. in SCIP database                                      | 279af179-999c-4fe2-ae0f-7d6c3ac9289d   |

### Download dati

| File  |   |
|---|---|
|  | User instruction<br>LINEARlight FLEX Uniformity                           |
|  | Product Datasheet<br>LINEARlight Flex Uniformity Specification Sheet (EN) |
|  | Certificati<br>LF(P)-Uniformity CB 181120                                 |
|  | Certificati<br>LF ENEC 0040052516 241022.                                 |
|  | Certificati<br>LF(P)Uniformity UL 241120                                  |
|  | Dichiarazioni di conformità<br>LF Uniformity CE 4233484 221121            |
|  | Eulumdat<br>LF1200S-G5-930R-05 L1 EULUM 231020                            |
|  | Eulumdat<br>LF1200S-G5-930R-05 L1 EULUM 231020                            |
|  | IES data<br>LF1200S-G5-930R-05 L1 IES data 231020                         |

## Scheda prodotto



IES data  
LF1200S-G5-930R-05 L1 IES data 231020

### Ecodesign regulation information:

- This product is considered to be a "containing product" in the sense of Regulations (EU) 2019/2020 and (EU) 2019/2015.
- Tolerances of the reported values, are according to LED Modules Performance standard IEC/EN 62717.
- In general, the replacement of the contained light sources without permanent damage to the product with the use of common available tools is possible in the final application when they can be dismantled from the installation environment and substituted for the necessary number of light sources restoring its full electrical/mechanical/thermal/optical functionality by means of a professional installer. In the contrary, and limited to the LINEARlight Flex Diffuse, LINEARlight Rigid Finesse, GINO LED Flex Diffuse and LUMINENT Milky product families, the contained light source is an integrated part of the containing product and its removal can only be done by causing a permanent damage to the containing product due to its tight mechanical, electrical, optical, thermal interaction and/or environmental protection with or from the containing product. Therefore, a replacement of the light source with the use of common available tools is not justified.
- Dismantling of light sources from containing products at end of life: Containing products with light sources which are scalable in length can be cut to the length of the contained light source and if applicable mechanically detached from protective and/or optical covers. Containing products shall be separated from building material and/or from other additional mounting accessories by means of a professional installer. Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

### Dati logistici

| Codice prodotto | Descrizione del prodotto | Unità di imballo (Pezzi/unità) | Dimensioni (lunghezza x profondità x altezza) | Volume               | Peso lordo |
|-----------------|--------------------------|--------------------------------|---|----------------------|------------|
| 4062172171533   | LF1200S -G5-930R-05 L1   | Cartone di spedizione<br>8     | 241 mm x 195 mm x 205 mm                      | 9.63 dm <sup>3</sup> | 1429.00 g  |

1)  codice prodotto indicato descrive la minore quantità che può essere ordinata. Una unità di spedizione può contenere uno o più di un singolo prodotto. Quando si inserisce un ordine, per la quantità inserire una o più unità di spedizione.

### Accessori opzionali

| Descrizione del prodotto | Nome dell'accessorio          | Codice dell'accessorio |
|--------------------------|-------------------------------|------------------------|
| LF1200S -G5-930R-05 L1   | CONN-FLEX -2P-050 KIT 10PCS   | ▶ 4062172179591        |
| LF1200S -G5-930R-05 L1   | CONN-FLEX -2P-200 KIT 10PCS   | ▶ 4062172179614        |
| LF1200S -G5-930R-05 L1   | CORNER-FLEX -4P-003 KIT 10PCS | ▶ 4062172179638        |
| LF1200S -G5-930R-05 L1   | CORNER-FLEX -4P-015 KIT 10PCS | ▶ 4062172179676        |
| LF1200S -G5-930R-05 L1   | LTS-SLIMTRACK -2000 KIT 5 PCS | ▶ 4062172207300        |
| LF1200S -G5-930R-05 L1   | FX-QMS-G1 -T45D19H19-300      | ▶ 4052899448667        |

## Scheda prodotto

|                        |                           |                 |
|------------------------|---------------------------|-----------------|
| LF1200S -G5-930R-05 L1 | FX-QMW-G1 -TK30D46H27-300 | ▶ 4052899448827 |
| LF1200S -G5-930R-05 L1 | FX-QMS-G1 -TU15H6-300     | ▶ 4052899448865 |
| LF1200S -G5-930R-05 L1 | FX-QMS-G1 -TR19H16-300    | ▶ 4052899449008 |
| LF1200S -G5-930R-05 L1 | FX -SC08-G2-CT4PJ         | ▶ 4052899464858 |
| LF1200S -G5-930R-05 L1 | FX-QMS-G1 -TU16H12LS-300  | ▶ 4052899449046 |

---

### Clausola

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