

LF2000S -G5-840-05 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	14,6 W
Potenza di costruzione	73,00 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	80
Flusso luminoso al metro	2000 lm
Flusso luminoso utile totale	10000 lm
Efficienza luminosa	137 lm/W
Standard Deviation of Color Matching	≤3 sdcn
Colore della luce (descrizione)	4000 K
Temperatura di colore	4000 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



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

Temperature e condizioni di utilizzo

Performance temp. acc. to IEC 62717	45 °C
Temperatura di funzionamento	-30...85 °C ¹⁾
Temperatura ambiente	-30...+50 °C ²⁾
Temperatura di stoccaggio	-40...85 °C

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

²⁾ 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

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

Dati di prodotto aggiuntivi

ID of contained light source [GMS]	LS_TRV_285953
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Caratteristiche

Lowest bending radius	20 mm
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Scheda prodotto

Certificati, Norme, Direttive

Consumo di energia	81 kWh/1000h
Norme	CE/UL/ENEC/EAC
Grado di protezione	IP00
Energy efficiency class of the contained light source	E








Dati logistici

Codice prodotto di base	853951000000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	13-03-2023
Primary Article Identifier	4062172171038
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	8c53e83e-c65a-49d6-97ab-f9d08038e4ec

Download dati

File	
	User instruction LINEARlight FLEX Uniformity
	Product Datasheet LINEARlight Flex Uniformity Specification Sheet (EN)
	Certificati LF(P)-Uniformity CB 181120
	Certificati LF ENEC 0040052516 241022.
	Certificati LF(P)Uniformity UL 241120
	Dichiarazioni di conformità LF Uniformity CE 4233484 221121
	Eulumdat LF2000S-G5-840-05 L1 EULUM 231020
	Eulumdat LF2000S-G5-840-05 L1 EULUM 231020
	IES data LF2000S-G5-840-05 L1 IES data 231020

Scheda prodotto



IES data
LF2000S-G5-840-05 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
4062172171038	LF2000S -G5-840-05 L1	Cartone di spedizione 8	241 mm x 195 mm x 205 mm	9.63 dm ³	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
LF2000S -G5-840-05 L1	CONN-FLEX -2P-050 KIT 10PCS	▶ 4062172179591
LF2000S -G5-840-05 L1	CONN-FLEX -2P-200 KIT 10PCS	▶ 4062172179614
LF2000S -G5-840-05 L1	CORNER-FLEX -4P-003 KIT 10PCS	▶ 4062172179638
LF2000S -G5-840-05 L1	CORNER-FLEX -4P-015 KIT 10PCS	▶ 4062172179676
LF2000S -G5-840-05 L1	LTS-SLIMTRACK -2000 KIT 5 PCS	▶ 4062172207300
LF2000S -G5-840-05 L1	FX-QMS-G1 -T45D19H19-300	▶ 4052899448667

Scheda prodotto

LF2000S -G5-840-05 L1	FX-QMW-G1 -TK30D46H27-300	▶ 4052899448827
LF2000S -G5-840-05 L1	FX-QMS-G1 -TU15H6-300	▶ 4052899448865
LF2000S -G5-840-05 L1	FX-QMS-G1 -TR19H16-300	▶ 4052899449008
LF2000S -G5-840-05 L1	FX -SC08-G2-CT4PJ	▶ 4052899464858
LF2000S -G5-840-05 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.