

LFP2000S -G5-940R-05 L1

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



Caratteristiche prodotto

- 24 V LED strips flexible and cuttable, 50 mm cut unit, with superior optically graded silicone encapsulation
- 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 quiet places
- Excellent ESD protection of up to 8 kV in air or 4 kV in contact (acc. to IEC 61547)
- Designed, engineered and manufactured and tested in Italy (ISO9001, ISO 17025, ACCREDIA, VDE)
- Salt-mist atmosphere resistant (acc. to IEC 60068-2-52, highest severity)
- UV radiation resistant (acc. to ISO 4892-2) / Mixed flowing gas corrosion resistant (IEC 60068-2-60)

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	18,1 W
Potenza di costruzione	90,50 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	2000 lm
Flusso luminoso utile totale	10000 lm
Efficienza luminosa	110,0 lm/W
Standard Deviation of Color Matching	≤3 sdc _m
Colore della luce (descrizione)	4000 K
Temperatura di colore	4000 K

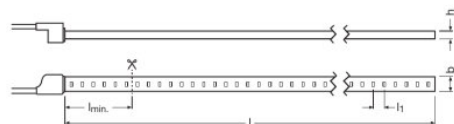
Dati illuminotecnici

LED pitch	7.14 mm
Ampiezza fascio luminoso	120 °
Tempo innesco	0,0 s
Tempo di riscaldamento (60 %)	0,00 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
Larghezza	11,1 mm
Altezza	4,50 mm
Lunghezza del cavo	500,0
Peso prodotto	319,00 g
Sezione dei cavi, lato ingresso	0,5 mm ²

Colori e materiali

Materiale della copertura	Silicone
----------------------------------	----------

Temperature e condizioni di utilizzo

Performance temp. acc. to IEC 62717	40 °C
Temperatura di funzionamento	-30...80 °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_286060
---	---------------

Scheda prodotto

Caratteristiche

Dimmerabile	Si
Lowest bending radius	50 mm
Self-adhesive	Si
With connection set	No
With end piece	No

Certificati, Norme, Direttive

Consumo di energia	100 kWh/1000h
Norme	CE/UL/ENEC/EAC
Grado di protezione	IP67
Energy efficiency class of the contained light source	F








Dati logistici

Codice prodotto di base	940542319000
-------------------------	--------------

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	20-07-2022
Primary Article Identifier	4062172304573
Declaration No. in SCIP database	In work

Download dati

File	
	User instruction LINEARlight FLEX Protect Uniformity LFP800S-G5 LFP1200S-G5 LFP2000S-G5
	Product Datasheet LINEARlight FLEX Protect Uniformity L1 Specification Sheet (EN)
	Brochure Light is freedom of design (EN)
	Certificati LF(P)-Uniformity CB 181120
	Certificati LF (P_D) ENEC 0040052516 310822
	Eulumdat LFP2000S-G5-940R-05 C_ldt
	IES data LFP2000S-G5-940R-05 C_IES


Scheda prodotto

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
4062172304573	LFP2000S -G5-940R-05 L1	Cartone di spedizione 8	365 mm x 286 mm x 366 mm	38.21 dm ³	6770.00 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
LFP2000S -G5-940R-05 L1	LF-CLIP -FIXTURE PROTECT	▶ 4008321644749
LFP2000S -G5-940R-05 L1	FX-QMW-G1 -TU26H10-300	▶ 4062172114165
LFP2000S -G5-940R-05 L1	ENDCAP -IP67 KIT 10PCS	▶ 4062172176552
LFP2000S -G5-940R-05 L1	JUMPER -FLEX-IP67-2P KIT 5PCS	▶ 4062172176576
LFP2000S -G5-940R-05 L1	CONN-FLEX -IP67-2P KIT 5PCS	▶ 4062172176590
LFP2000S -G5-940R-05 L1	LTS-SLIMTRACK -2000 KIT 5 PCS	▶ 4062172207300
LFP2000S -G5-940R-05 L1	CONN-FLEX -IP67-2P-300 KIT 5PCS	▶ 4062172230162
LFP2000S -G5-940R-05 L1	FX-QMS-G1 -T45D19H19-300	▶ 4052899448667
LFP2000S -G5-940R-05 L1	FX-QMW-G1 -TU26H25W10-300	▶ 4052899448773
LFP2000S -G5-940R-05 L1	FX-QMW-G1 -TU26H25-300	▶ 4052899448803

Scheda prodotto

LFP2000S -G5-940R-05 L1	FX-QMW-G1 -TK30D46H27-300	▶ 4052899448827
LFP2000S -G5-940R-05 L1	FX-QMW-G1 -TU26H25W2-300	▶ 4052899448841
LFP2000S -G5-940R-05 L1	FX-QMS-G1 -TU15H6-300	▶ 4052899448865
LFP2000S -G5-940R-05 L1	FX-QMS-G1 -TU15H6W3-300	▶ 4052899448889
LFP2000S -G5-940R-05 L1	FX-QMS-G1 -TU16H12W3-300	▶ 4052899448988
LFP2000S -G5-940R-05 L1	FX-QMS-G1 -TR19H16-300	▶ 4052899449008
LFP2000S -G5-940R-05 L1	FX-QMS-G1 -TU16H12-300	▶ 4052899448964
LFP2000S -G5-940R-05 L1	FX-DCS -G1-GL-25	▶ 4052899452244
LFP2000S -G5-940R-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.