

LFP2000S -G5-940R-05 L1

LINEARlight FLEX Uniformity Protect | LED moduly pro profesionální a průmyslové aplikace



Vlastnosti produktu

- 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 quite 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)

Výhody produktu

- 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
- Snadná montáž na mnoho hladkých povrchů pomocí samolepicí pásky na zadní straně



Technické údaje

Parametry

Jmenovité napětí	24,0 V
Proudové zatížení	stejnoseměrný proud (DC)
Jmenovitý příkon na metr	18,1 W
Jmenovitý příkon	90,50 W
Rozsah vstupního napětí	23...25 V
Accidental reverse input voltage protection up to	25 V

Fotometrické údaje

Barva světla LED	bílá
Index podání barev Ra	95
Světelný tok na metr	2000 lm
Celkový užitečný světelný tok	10000 lm
Světelná účinnost	110,0 lm/W
Standardní odchylka sladění barev	≤3 sdc
Barva světla (označení)	4000 K
Teplota chromatičnosti	4000 K

Světelně-technické údaje

LED pitch	7.14 mm
Vyzařovací úhel	120 °
Doba startu	0,0 s
Doba zahřívání (60 %)	0,00 s

Informace o LED modulech

Počet čísel na metr	140
Počet LED v nejmenší jednotce	7

Rozměry & váha



Délka	5000,0 mm
Délka nejmenší jednotky	50,0 mm
Šířka	11,1 mm
Výška	4,50 mm
Dálka vodiče	500,0
Váha výrobku	319,00 g
Průřez kabelu, vstupní strana	0,5 mm ²

Barvy & materiály

Výrobní materiál obalu	Silicone
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Teploty a provozní podmínky

Provozní tepl. podle IEC 62717	40 °C
Provozní rozsah teplot	-30...80 °C ¹⁾
Rozsah okolní teploty	-30...+50 °C ²⁾
Skladujte při teplotách od... do	-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

Životnost

Měřená životnost	60000 h
Jmenovitá životnost	60000 h
Pokles sv. toku na konci prům. živ.	0,70
Počet spínacích cyklů	15000

Další údaje o produktu

ID of contained light source [AGGR]	LS_TRV_286060
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Vlastnosti

Stmívatelnost	Ano
Lowest bending radius	50 mm
Self-adhesive	Ano
With connection set	Ne
With end piece	Ne

Certifikáty & standardy

Spotřeba energie	100 kWh/1000h
Standardy	CE/UL/ENEC/EAC
Druh ochrany	IP68
Energy efficiency class of the contained light source	F

Logistická data

Zkratka produktu	85395100000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (RECh)	
Date of Declaration	07-07-2023
Primary Article Identifier	4062172304573
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	8ba5ce34-91f6-4bf7-9a94-1bc18ce8670f

Stahování dat

Soubor	
	User instruction LINEARlight FLEX Protect Uniformity LFP800S-G5 LFP1200S-G5 LFP2000S-G5
	Product Datasheet LINEARlight FLEX Protect Uniformity L1 Specification Sheet (EN)
	Brochures Light is freedom of design (EN)
	Certificates LF(P)-Uniformity CB 181120
	Certificates VDE ENEC CERTIFICATE 40052516 160823

Technický list výrobku

	Eulumdat LFP2000S-G5-940R-05 C_ldt
	IES data LFP2000S-G5-940R-05 C_IES

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.

Logistické údaje

Kód výrobku	Popis výrobku	Jednotka balení (kusy/jednotku)	Rozměry (délka x šířka x výška)	Objem	Hrubá hmotnost
4062172304573	LFP2000S -G5-940R-05 L1	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	6770.00 g

Zmíněný produktový kód udává nejmenší jednotku množství, kterou lze objednat. Jednotka balení může obsahovat jeden nebo více samostatných produktů. Při objednávání zadávejte jednotky balení nebo násobky jednotek balení.

možné příslušenství

Popis výrobku	název příslušenství	kód příslušenství
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

Technický list výrobku

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 -TU16H12-300	▶ 4052899448964

Vyloučení odpovědnosti

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