

LF2000S -G5-830-05 L1

LINEARlight FLEX Uniformity IP00 | LED moduly pro profesionální a průmyslové aplikace



Vlastnosti produktu

- 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)

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	240 V
Proudové zatížení	stejnoseměrný proud (DC)
Jmenovitý příkon na metr	14,6 W
Jmenovitý příkon	7300 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	80
Světelný tok na metr	2000 lm
Celkový užitečný světelný tok	10000 lm
Světelná účinnost	137 lm/W
Standardní odchylka sladění barev	≤3 sdc
Barva světla (označení)	3000 K
Teplota chromatičnosti	3000 K

Světelně-technické údaje

LED pitch	7.14 mm
Vyzařovací úhel	120 °
Doba startu	< 05 s
Doba zahřívání (60 %)	< 050 s

Informace o LED modulech

Počet čísla na metr	140
Počet LED v nejmenší jednotce	7

Rozměry & váha



Délka	50000 mm
Délka nejmenší jednotky	50,0 mm
Dálka vodiče	5000
Váha výrobku	6200 g
Průřez kabelu, vstupní strana	0,5 mm ²
Šířka	800 mm
Výška	140 mm

Teploty a provozní podmínky

Provozní tepl. podle IEC 62717	45 °C
Provozní rozsah teplot	-30...85 °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.	070
Počet spínacích cyklů	15000

Další údaje o produktu

ID of contained light source [AGGR]	LS_TRV_285951
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Vlastnosti

Lowest bending radius	20 mm
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Certifikáty & standardy

Spotřeba energie	81 kWh/1000h
Standardy	CE/UL/ENEC/EAC
Druh ochrany	IP00
Energy efficiency class of the contained light source	E

Logistická data

Zkratka produktu	85395100000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	16-06-2023
Primary Article Identifier	4062172170994
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	e79a8506-3d4d-42da-a3ee-6aa2df91303e

Stažení dat

Soubor	
 User instruction LINEARlight FLEX Uniformity	
 Product Datasheet LINEARlight Flex Uniformity Specification Sheet (EN)	
 Brochures Light is freedom of design (EN)	
 Certificates LF(P)-Uniformity CB 181120	
 Certificates VDE ENEC CERTIFICATE 40052516 160823	
 Certificates LF(P)Uniformity UL 241120	
 Declarations of conformity LF Uniformity CE 4233484 221121	
 Eulumdat LF2000S-G5-830-05 L1 EULUM 231020	
 Eulumdat LF2000S-G5-830-05 L1 EULUM 231020	

Technický list výrobku

	IES data LF2000S-G5-830-05 L1 IES data 231020
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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
4062172170994	LF2000S -G5-830-05 L1	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1429.00 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
LF2000S -G5-830-05 L1	CONN-FLEX -2P-050 KIT 10PCS	▶ 4062172179591
LF2000S -G5-830-05 L1	CONN-FLEX -2P-200 KIT 10PCS	▶ 4062172179614
LF2000S -G5-830-05 L1	CORNER-FLEX -4P-003 KIT 10PCS	▶ 4062172179638
LF2000S -G5-830-05 L1	CORNER-FLEX -4P-015 KIT 10PCS	▶ 4062172179676
LF2000S -G5-830-05 L1	LTS-SLIMTRACK -2000 KIT 5 PCS	▶ 4062172207300

Technický list výrobku

LF2000S -G5-830-05 L1	FX-QMS-G1 -TU15H6W3-300	▶ 4052899448889
LF2000S -G5-830-05 L1	FX-QMS-G1 -TU16H12W3-300	▶ 4052899448988
LF2000S -G5-830-05 L1	FX-QMS-G1 -TU16H12-300	▶ 4052899448964
LF2000S -G5-830-05 L1	FX -SC08-G2-CT4PJ	▶ 4052899464858

Vyloučení odpovědnosti

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