LF2000S -G5-840-05 L1

LINEARlight FLEX Uniformity IP00 | LED-moduler för professionella och industriella applikationer



Produktegenskaper

- 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)

Produktfördelar

- 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
- Enkel montering på många släta ytor tack vare självhäftande tejp på baksidan

© 2024, Inventronics GmbH. Alla rättigheter förbehållna. Inventronics är en licenstagare av varumärket OSRAM. OSRAM är ett varumärke som tillhör ams OSRAM.

Tekniska data

Elektriska data

Nominell märkspänning	24,0 V
Strömtyp	Direkt ström (DC)
Nominell wattstyrka per meter	14,6 W
Märkeffekt	73,00 W
Inspänningsområde	23…25 V
Accidental reverse input voltage protection up to	25 V

Fotometrisk data

Ljusfärg LED	vit
Färgåtergivningsindex Ra	80
Ljusflöde per meter	2000 lm
Totalt användbart ljusflöde	10000 lm
Ljusutbyte	137 lm/W
SDCM Standardavvikelse färgmatchning	≤3 sdcm
Ljusfärg (angiven)	4000 K
Färgtemperatur	4000 K

Ljustekniska värden

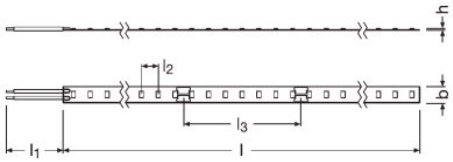
LED pitch	7.14 mm
Spridningsvinkel	120 °
Uppstartstid	< 0,5 s
Uppvärmningstid (60 %)	< 0,50 s

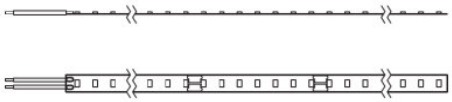
LED-modulinformation

Antal LED per meter	140
Antal LED per minsta enhet	7

© 2024, Inventronics GmbH. Alla rättigheter förbehållna. Inventronics är en licenstagare av varumärket OSRAM. OSRAM är ett varumärke som tillhör ams OSRAM.

Mått





Längd	5000,0 mm
Längd – minsta enheten	50,0 mm
Kabellängd	500,0
produktvikt	62,00 g
Ledningsarea ingångsida	0,5 mm²
Bredd	8,00 mm
Höjd	1,40 mm

Temperaturer och driftsförhållanden

Temperaturbetende enl. IEC 62717	45 °C
Temperaturområde vid Tc punkten	-30…85 °C [1]
Omgivningstemperaturområde	-30…+50 °C [2]
Förvaringstemperatur	-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

Livslängder

Beräknad livslängd	60000 h
Nominell livslängd	60000 h
Ljusnedgångsfaktor	0,70
Antal tändcykler	15000

Tillägg produktdata

ID of contained light source [AGGR]	LS_TRV_285953

Användningsområden

Lowest bending radius	20 mm

© 2024, Inventronics GmbH. Alla rättigheter förbehållna. Inventronics är en licenstagare av varumärket OSRAM. OSRAM är ett varumärke som tillhör ams OSRAM.

Certifikat och Standarder

Energiförbrukning	81 kWh/1000h
Standarder	CE/UL/ENEC/EAC
Skyddstyp	IP00
Energy efficiency class of the contained light source	E

Logistikdata

Statistiskt varunummer	85395100000

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	09-06-2023
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	4d06af12-45d7-48f6-8327-fd438ce66289

Download

	Dokument
	User instruction LINEARlight FLEX Uniformity
	Product Datasheet LINEARlight Flex Uniformity Specification Sheet (EN)
	Broschyrer Light is freedom of design (EN)
	Certifikat LF(P)-Uniformity CB 181120
	Certifikat VDE ENEC CERTIFICATE 40052516 160823
	Certifikat LF(P)Uniformity UL 241120
	Konformitetsdeklaration LF Uniformity CE 4233484 221121
	Eulumdat LF2000S-G5-840-05 L1 EULUM 231020
	Eulumdat LF2000S-G5-840-05 L1 EULUM 231020

© 2024, Inventronics GmbH. Alla rättigheter förbehållna. Inventronics är en licenstagare av varumärket OSRAM. OSRAM är ett varumärke som tillhör ams OSRAM.

	IES data LF2000S-G5-840-05 L1 IES data 231020
	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.

Logistiska data

Produktnummer	Produktbeskrivning	Förpackningsenhet (Styck/Enhet)	Dimensioner (längd x bredd x höjd)	Volym	Bruttovikt
4062172171038	LF2000S -G5-840-05 L1	Transportförpackning 8	241 mm x 195 mm x 205 mm	9.63 dm^3	1429.00 g

Produktkoden gäller minsta tillåtna beställningskvantitet. En transportförpackning kan innehålla en eller flera produkter. Vid orderläggning, vänligen ange en eller flera transportförpackningar.

Valfria tillbehör

Produktbeskrivning	Tillbehörets namn	Tillbehörets kod
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

© 2024, Inventronics GmbH. Alla rättigheter förbehållna. Inventronics är en licenstagare av varumärket OSRAM. OSRAM är ett varumärke som tillhör ams OSRAM.

LF2000S -G5-840-05 L1	FX-QMS-G1 -TU15H6-300	4052899448865
LF2000S -G5-840-05 L1	FX-QMS-G1 -TU15H6W3-300	4052899448889
LF2000S -G5-840-05 L1	FX-QMS-G1 -TU16H12W3-300	4052899448988
LF2000S -G5-840-05 L1	FX-QMS-G1 -TU16H12-300	4052899448964
LF2000S -G5-840-05 L1	FX -SC08-G2-CT4PJ	4052899464858
LF2000S -G5-840-05 L1	FX-QMS-G1 -TU16H12LS-300	4052899449046

Friskrivningsklausul

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

© 2024, Inventronics GmbH. Alla rättigheter förbehållna. Inventronics är en licenstagare av varumärket OSRAM. OSRAM är ett varumärke som tillhör ams OSRAM.