

LF2000S -G5-940-05 L1

LINEARlight FLEX Uniformity IP00 | Módulos LED para aplicaciones profesionales e industriales



Características del producto

- 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)

Beneficios del producto

- 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
- Montaje sencillo en numerosas superficies lisas gracias a la cinta autoadhesiva en el lado posterior



Datos técnicos

Datos eléctricos

Tensión nominal	240 V
Tipo de corriente	corriente continua (CC)
Nivel de potencia nominal por metro	17,3 W
Potencia nominal	8650 W
Margen de voltaje	23...25 V
Accidental reverse input voltage protection up to	25 V

Datos Fotométricos

Tono de luz LED	blanco
Índice de reproducción cromática Ra	90
Flujo luminoso por metro	2000 lm
Flujo luminoso total útil	10000 lm
Eficacia luminosa	116 lm/W
Desviación estándar de ajuste de color	≤3 sdc _m
Tono de luz (denominación)	4000 K
Temperatura de color	4000 K

Datos técnicos de iluminación

LED pitch	7.14 mm
Ángulo de radiación	120 °
Tiempo de arranque	< 05 s
Tiempo de precalentamiento (60 %)	< 050 s

Información módulos LED

Número de LEDs por metro	140
Número de LED por unidad más pequeña	7

Dimensiones y peso



Largo	50000 mm
Longitud – unidad más pequeña	50,0 mm
Longitud del cable	5000
Peso del producto	6200 g
Sección de cable, entrada	0,5 mm ²
Ancho	800 mm
Alto	140 mm

Temp. y condiciones de funcionamiento

Rendimiento temp. según norma IEC 62717	45 °C
Área de temperatura de funcionamiento	-30...85 °C ¹⁾
Margen de temperatura ambiente	-30...+50 °C ²⁾
Temperatura de almacenamiento	-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

Duración de vida

Vida útil lámpara	60000 h
Vida útil nominal lámpara	60000 h
Factor manten.lumen final vida útil nomi	070
Número de ciclos de encendidos	15000

Datos adicionales del producto

ID of contained light source [AGGR]	LS_TRV_285959
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Capacidades

Lowest bending radius	20 mm
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Certificados & Normas

Consumo de energía	96 kWh/1000h
Normas	CE/UL/ENEC/EAC
Tipo de protección	IP00
Energy efficiency class of the contained light source	F

Datos logísticos

Número estadístico de material	85395100000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (RECh)	
Date of Declaration	19-05-2023
Primary Article Identifier	4062172171212
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	eddb28ed-6e03-4564-b8fd-7a4098bfe47a

Descarga datos

Fichero	
	User instruction LINEARlight FLEX Uniformity
	Product Datasheet LINEARlight Flex Uniformity Specification Sheet (EN)
	Folleto de ventas Light is freedom of design (EN)
	Certificados LF(P)-Uniformity CB 181120
	Certificados VDE ENEC CERTIFICATE 40052516 160823
	Certificados LF(P)Uniformity UL 241120
	Declaración de conformidad LF Uniformity CE 4233484 221121
	Eulumdat LF2000S-G5-940-05 L1 EULUM 231020
	Eulumdat LF2000S-G5-940-05 L1 EULUM 231020

Hoja de datos de producto

	IES data LF2000S-G5-940-05 L1 IES data 231020
	IES data LF2000S-G5-940-05 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.

Logistical Data

Código del producto	Descripción del producto	Unidad de embalaje (Piezas/unidad)	Dimensiones (largo x ancho x alto)	Volúmen	Peso bruto
4062172171212	LF2000S -G5-940-05 L1	Embalaje de envío 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1429.00 g

El código del producto mencionado describe la unidad más pequeña de la cantidad que se puede pedir. Una unidad de envío puede contener uno o más productos individuales. Al cursar un pedido, introduzca la cantidad de la unidad de envío o su múltiple.

Accesorios Opcionales

Descripción del producto	Nombre de accesorio	Código de accesorio
LF2000S -G5-940-05 L1	CONN-FLEX -2P-050 KIT 10PCS	▶ 4062172179591
LF2000S -G5-940-05 L1	CONN-FLEX -2P-200 KIT 10PCS	▶ 4062172179614
LF2000S -G5-940-05 L1	CORNER-FLEX -4P-003 KIT 10PCS	▶ 4062172179638
LF2000S -G5-940-05 L1	CORNER-FLEX -4P-015 KIT 10PCS	▶ 4062172179676

Hoja de datos de producto

LF2000S -G5-940-05 L1	LTS-SLIMTRACK -2000 KIT 5 PCS	▶ 4062172207300
LF2000S -G5-940-05 L1	FX-QMS-G1 -TU15H6W3-300	▶ 4052899448889
LF2000S -G5-940-05 L1	FX-QMS-G1 -TU16H12W3-300	▶ 4052899448988
LF2000S -G5-940-05 L1	FX-QMS-G1 -TU16H12-300	▶ 4052899448964
LF2000S -G5-940-05 L1	FX -SC08-G2-CT4PJ	▶ 4052899464858

Aviso

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