

LF2000S -G5-830-05 L1

LINEARlight FLEX Uniformity IP00 | Modules LED pour des applications professionnelles et industrielles



Caractéristiques produit

- 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)

Avantages produits

- 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
- Montage facile sur de nombreuses surfaces lisses grâce à une bande autocollante située au dos



Fiche technique

Données électriques

Tension nominale	240 V
Type de courant	Courant direct (DC)
Puissance nominale par mètre	14,6 W
Puissance nominale	7300 W
Plage de tension	23...25 V
Accidental reverse input voltage protection up to	25 V

Données photométriques

Couleur de la LED	Blanc
Ra Indice de rendu des couleurs	80
Flux lumineux par mètre	2000 lm
Total des flux lumineux utiles	10000 lm
Efficacité lumineuse	137 lm/W
Ecart-type de correspondance de couleur	≤3 sdc _m
Teinte de couleur (désignation)	3000 K
Temp. de couleur	3000 K

Données photométriques

LED pitch	7.14 mm
Angle de rayonnement	120 °
Temps d'amorçage	< 05 s
Temps de préchauffage (60 %)	< 050 s

Information module de LED

Nombre de LED par mètre	140
Nombre de LED par composant	7

Dimensions & poids



Longueur	50000 mm
Longueur – composant seul	50,0 mm
Longueur de câble	5000
Poids du produit	6200 g
Section du câble au primaire	0,5 mm ²
Largeur	800 mm
Hauteur	140 mm

Température

T° fonctionnement confit norme IEC 62717	45 °C
Plage de température au point Tc	-30...85 °C ¹⁾
Plage de température ambiante	-30...+50 °C ²⁾
Plage de température de stockage	-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

Durée de vie

Durée de vie	60000 h
Durée de vie nominale	60000 h
Flux résiduel en fin de vie nominale	070
Nombre de cycles de commutation	15000

Donnée produit supplémentaire

ID of contained light source [AGGR]	LS_TRV_285951
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Capacités

Lowest bending radius	20 mm
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Fiche de données produit

Certificats & Normes

Consommation d'énergie	81 kWh/1000h
Normes	CE/UL/ENEC/EAC
Type de protection	IP00
Energy efficiency class of the contained light source	E

Données logistiques

Nomenclature douanière	85395100000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (RECh)	
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

Données de téléchargement

Dossier	
	User instruction LINEARlight FLEX Uniformity
	Fiche technique produit LINEARlight Flex Uniformity Specification Sheet (EN)
	Brochures Light is freedom of design (EN)
	Déclaration de Conformité LF(P)-Uniformity CB 181120
	Déclaration de Conformité VDE ENEC CERTIFICATE 40052516 160823
	Déclaration de Conformité LF(P)Uniformity UL 241120
	Déclarations de conformité LF Uniformity CE 4233484 221121
	Eulumdat LF2000S-G5-830-05 L1 EULUM 231020
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Fiche de données produit

	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.

Données logistiques

Code produit	Description produit	Unité d'emballage (Pièces/Unité)	Dimensions (longueur x largeur x hauteur)	Volume	Poids brut
4062172170994	LF2000S -G5-830-05 L1	Carton de regroupement 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1429.00 g

Le code produit mentionné décrit la petite quantité d'unité qui peut être commandée. Une unité peut contenir un ou plusieurs produits. Lorsque vous passez la commande, merci de bien vouloir entrer une unité ou un multiple d'une unité.

Accessoires optionnels

Description produit	Nom de l'accessoire	Code de l'accessoire
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

Fiche de données produit

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

Avertissement

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