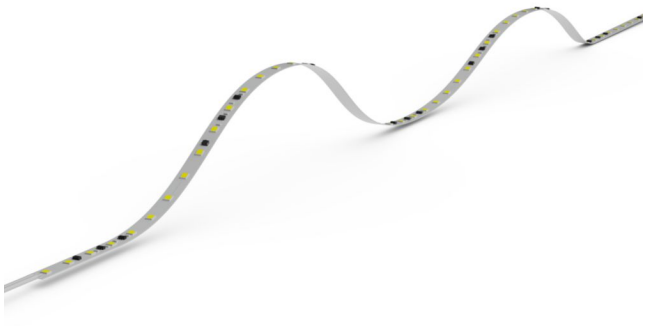
LF4000I -G1-940-48-06 L1

LINEARlight FLEX Infinite 48V IP00 | – LED modules for professional and industrial applications



Product family features

- 48V system with longer rells
- Luminous flux: up to 4,000 lm/m
- Dimmable with PWM technology

Product family benefits

- Color uniformity better than 2 SDCM on the entire LED strip and between strips
- High efficency
- High luminous flux
- Large selection of light colors
- Great design freedom thanks to flexibility and cuttability of module
- High-performance silicone for extremely long life and flexibility
- Extraordinary design and high quality materials
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- Pre-wired LED strip, simple and quick plug-and-play installation



Specifications are subject to changes without notice.

© 2026,Inventronics. All rights reserved.

Technical data

Electrical data

Nominal voltage	48.0 V
Type of current	DC
Nominal wattage per meter	25.8 W
Rated wattage	154.80 W
Input voltage range	45.6…50.4 V
Accidental reverse input voltage protection up to	50.4 V

Photometrical data

Color rendering index Ra	90
Luminous flux per meter	3450 lm
Luminous efficacy	133.7 lm/W
Color Temperature	4000

Light technical data

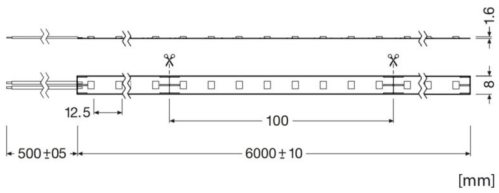
LED pitch	12.5 mm
Beam angle	120 °
Starting time	< 0.5 s

LED module information

Number of LEDs per meter	80
Number of LEDs per smallest unit	8

© 2026,Inventronics. All rights reserved.

Dimensions & weight



Length	6000 mm
Length – smallest unit	100.0 mm
Width	8 mm
Height	1.6 mm
Product weight	75.00 g
Cable cross-section, input side	0.5 mm²

Temperatures & operating conditions

Temperature range in operation at Tc point	-30…85 °C [1)]
Ambient temperature range	-30…+55 °C
Temperature range at storage	-40…+85 °C

1) Exceeding the maximum ratings will reduce expected life time or destroy the LED strip.

© 2026,Inventronics. All rights reserved.

Lifespan

Rated lamp life time	60000 h
Number of switching cycles	>30000

Capabilities

Lowest bending radius	30 mm
Self-adhesive	Yes
With connection set	No
Lowest bending radius	30 mm

© 2026,Inventronics. All rights reserved.

Certificates & standards

Standards	CE / ENEC / VDE / SASO / UL
Type of protection	IP00

Logistical data

Commodity code	85395100000
Applicable region	APAC (excl. China, India, Japan) / CHINA / EUROPE / INDIA / MEA / NAFTA / SOUTH AMERICA

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	21-09-2026
Primary Article Identifier	4062172382854 | 6937186118431
Declaration No. in SCIP database	In work
SCIP_STATUS	In work
SCIP_ID	

Equipment / Accessories

- Simplified connection with optional matching CONNECTsystem
- Quick installation with optional SLIM TRACK System
- Perfectly matched to OPTOTRONIC® 24 V electronic control gears

© 2026,Inventronics. All rights reserved.

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.

© 2026,Inventronics. All rights reserved.

Download Data

File		
IES data	Compressed	►LF4000I-G1-940-48 IES 100325
Product Datasheet	PDF	►LINEARlight FLEX INFINITE_Specification Sheet_IP00 - 48V
Certificates	PDF	►TF LF CF VDE 69793 40052516 200525
Certificates	PDF	►CED_I E10 FLEX Infinite Brand Inventronics
Eulumdat	Compressed	►LF4000I-G1-940-48 LDT 100325
Mandatory Publications	PDF	►Infinite CE 4507671 070525
User instruction	PDF	►LINEARlight FLEX Infinite

© 2026,Inventronics. All rights reserved.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
6937186118431 INVENTRONICS	LF4000I -G1-940-48-06 L1	Shipping carton box 8 Pieces	241 x 195 x 205 mm	9.63 dm³	191.63 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit

Disclaimer

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

© 2026,Inventronics. All rights reserved.

Accessories Optional

Product description	Accessory name	Accessory code
LF4000I -G1-940-48-06 L1	FX-QMS-G1 -TU15H6W3-300	►6937186126702
LF4000I -G1-940-48-06 L1	FX-QMS-G2 -TU16H12-300	►6937186126740
LF4000I -G1-940-48-06 L1	FX-QMW-G2 -TU26H25W10-200	►6937186126801
LF4000I -G1-940-48-06 L1	FX-QMW-G2 -TU26H25-200 WH KIT5	►6937186126825
LF4000I -G1-940-48-06 L1	FX-QMW-G2 -TU26H10-200 WS	►6937186126849
LF4000I -G1-940-48-06 L1	FX-QMS-G2 -TU15H6-300	►6937186130860
LF4000I -G1-940-48-06 L1	FX-QMS-G2 -T45D19H19-300	►6937186131706
LF4000I -G1-940-48-06 L1	CONN-FLEX -2P-050 KIT 10PCS	►6937186141088
LF4000I -G1-940-48-06 L1	CONN-FLEX -2P-200 KIT 10PCS	►6937186141101
LF4000I -G1-940-48-06 L1	LTS-SLIMTRACK -2000 KIT 5 PCS	►6937186141200
LF4000I -G1-940-48-06 L1	CORNER-FLEX -4P-003 KIT 10PCS	►6937186141262
LF4000I -G1-940-48-06 L1	CORNER-FLEX -4P-015 KIT 10PCS	►6937186141286
LF4000I -G1-940-48-06 L1	FX-QMS-G1 -TU16H12W3-300	►6937186146229
LF4000I -G1-940-48-06 L1	FX-QMW-G1 -TK30D46H27-300	►6937186148407
LF4000I -G1-940-48-06 L1	FX-QMS-G1 -TU16H12LS-300	►6937186148421
LF4000I -G1-940-48-06 L1	Pendant wide profile 56x70 mm	►6977078997805
LF4000I -G1-940-48-06 L1	Pendant wide profile 56x70 mm	►6977078997836
LF4000I -G1-940-48-06 L1	Pendant wide profile 56x70 mm	►6977078997867
LF4000I -G1-940-48-06 L1	Pendant wide profile 56x70 mm	►6977078997898
LF4000I -G1-940-48-06 L1	Pendant wide profile 56x70 mm	►6977078997928
LF4000I -G1-940-48-06 L1	Pendant wide profile 56x70 mm	►6977078997959
LF4000I -G1-940-48-06 L1	null	►6977078998017
LF4000I -G1-940-48-06 L1	null	►6977078998048
LF4000I -G1-940-48-06 L1	null	►6977078998079
LF4000I -G1-940-48-06 L1	null	►6977078998109
LF4000I -G1-940-48-06 L1	null	►6977078998130
LF4000I -G1-940-48-06 L1	null	►6977078998161

© 2026,Inventronics. All rights reserved.