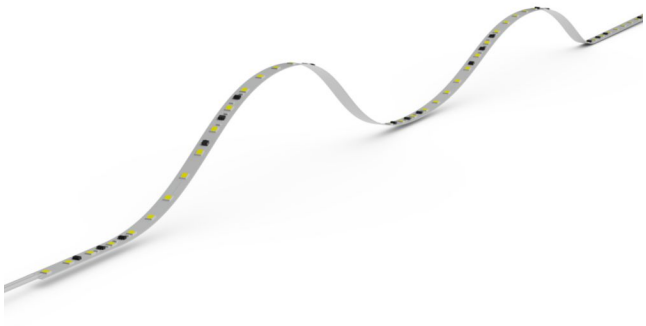
# LF4000I -G1-940-48-06 L1

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.*

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## Technical data

### Electrical data

| | |
|---|---|
| **Nominal voltage** | 48.0 V |
| **Type of current** | DC |
| **Nominal wattage per foot** | 7.8 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 ft US** | 1052 lm |
| **Luminous efficacy** | 133.7 lm/W |
| **Color Temperature** | 4000 |

### Light technical data

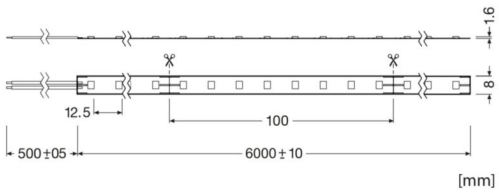
| | |
|---|---|
| **LED pitch [PIM] US** | 0.49 in |
| **Beam angle** | 120 ° |
| **Starting time** | < 0.5 s |

### LED module information

| | |
|---|---|
| **Number of LEDs per foot** | 24 |
| **Number of LEDs per smallest unit** | 8 |


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## Dimensions & weight




| | |
|---|---|
| **Length US** | 236.2 in |
| **Length – smallest unit US** | 3.94 in |
| **Width US** | 0.31 in |
| **Height US** | 0.06 in |
| **Product weight US** | 2.65 oz |
| **Cable cross-section, input side US** | 0.00077500155 in² |

## Temperatures & operating conditions

| | |
|---|---|
| **Temperature range in operation at Tc point US** | -22…+185 °F [1)] |
| **Ambient temperature range US** | -22…+131 °F |
| **Temperature range at storage US** | -40…+185 °F |

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


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### Lifespan

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

### Capabilities

| | |
|---|---|
| **Lowest bending radius US** | 1.18 in |
| **Self-adhesive** | Yes |
| **With connection set** | No |


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### 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


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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.


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## 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 |


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## Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---|---|---|---|---|---|
| 6937186118431<br>INVENTRONICS | LF4000I -G1-940-48-06 L1 | Shipping carton box<br>8 Pieces | 9.49 x 7.68 x 8.07 in | 0.34 ft³ | 6.76 oz |

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.


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## 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 |


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