LF3400TW-G5 -925.940-03 L1

LINEARlight FLEX Tunable White IP00 | Linear LED strips for flexible and individualized lighting solutions

Product family features

- 24 V LED strips flexible and cuttable
- Luminous flux: up to 3,800 lm/m
- Up to 60,000 h L90/B10 with SDT technology, tested acc. to IEC 62717 on real LED strips
- Adjustable color temp. via Tunable White: 2200…3500 K, 2500…4000 K, 2700…5700 K CRI90
- Adjustable color temp. via Tunable White: 2200…3500 K, 2500…3500 K, 2700…6500 K CRI80
- CRI80, CRI90 options available
- 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)

Product family benefits

- Color uniformity better than 3 SDCM on the entire LED strip and between strips
- LED lifetime acc.to IES LM-80 and IES TM-21 standards
- Excellent robustness: single reel manufacturing technology (no solder joints on strip)
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- Extraordinary design and high quality materials
- Pre-soldered wires

Areas of application

- Cove lighting
- Shop lighting
- Offices

Technical data

Electrical data

Nominal voltage	24.0 V
Type of current	DC
Nominal wattage per meter	32.4 W
Rated wattage	97.30 W
Input voltage range	23…25 V
Accidental reverse input voltage protection up to	25 V

Photometrical data

Color rendering index Ra	90
Luminous flux per meter	3400 lm
Luminous efficacy	105 lm/W
Light color (designation)	2500…4000 K
Color Temperature	3100

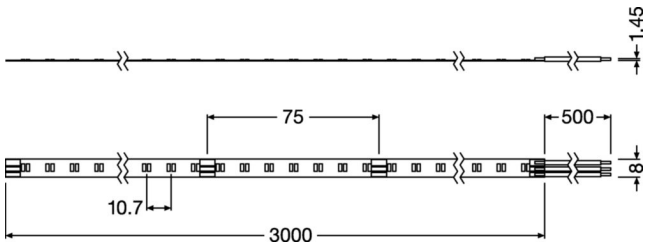
Light technical data

LED pitch	10.71 mm
Beam angle	120 °
Starting time	0 s
Warm-up time (60 %)	0 s

LED module information

Number of LEDs per meter	187
Number of LEDs per smallest unit	14

Dimensions & weight



Length	3000 mm
Length – smallest unit	75.0 mm
Width	8 mm
Height	1.4 mm
Product weight	35.00 g
Cable cross-section, input side	0.5 mm²

Colors & materials

Cover material	not relevant

Temperatures & operating conditions

Temperature range in operation at Tc point	-20…+85 °C [1)]
Ambient temperature range	-20…+50 °C
Temperature range at storage	-40…85 °C

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

Lifespan

Rated lamp life time	60000 h
Number of switching cycles	>15000

Additional product data

ID of contained light source	LS_TRV_286065

Capabilities

Lowest bending radius	20 mm
Self-adhesive	Yes
With connection set	No
Lowest bending radius	20 mm

Certificates & standards

Standards	CE / ENEC / EAC
Type of protection	IP00
Energy efficiency class of the contained light source	F

Logistical data

Commodity code	85395100000

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	06-05-2026
Primary Article Identifier	4062172189330 | 6937186129420
Declaration No. in SCIP database	In work
SCIP_STATUS	In work
SCIP_ID	

Equipment / Accessories

- Flexessories: a complete set of aluminum channels with diffusers and lenses
- Simplified connection with optional matching CONNECTsystem
- Perfectly matched with OTi DALI 50/80 4CH DT6/8 and OTi DALI 160 2CH DT6/8
- Perfectly matched with OTi BLE 80/220-240/24 4CH

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.

Additional product information

- Some LED modules are equipped with a self-adhesive tape for attaching the LED module to suitable materials, such as aluminum profiles, which must be clean and free of oil or silicone coatings, as well as other dirt/dust particles. The adhesive tape is intended for single use and if removed may damage the material to which it is stuck and the LED module itself, which must then be scrapped. Use the adhesive tape when the installation material temperature is in the 18 °C...35 °C range. Complete adhesion takes up to 72 h.
- LED modules are designed for static installations in accordance with IPC 6013C – Use A. Take material vibrations, repetitive torsion, and elongation/compression into account.
- If the operating environment covers a broad temperature range (e.g. outdoor applications) and the operating length is longer than 2 m, the use of adequate mounting surfaces is required. The use of an additional thicker adhesive tape between LED module and mounting surface is also recommended in order to absorb the stress of any mismatch in expansion. Assure enough space for module expansion with increasing temperature.
- The manufacturer is not responsible for damage due to chemical corrosion. The user must provide suitable protection against corrosive agents such as moisture and condensation and any other harmful elements/compounds. Make certain to avoid corrosive atmospheres. According to the current state of LED technology, hydrogen sulfide (H2S) causes accelerated corrosion which leads to shortened lifetime or premature failure. Sources of H2S may be rubber, foam rubber, soft-foam tapes, rubber-based sealing, natural sources (e.g. sulfur springs), etc. To avoid H2S from sulfur-vulcanized rubber use silicon-based materials or peroxide-crosslinked rubber instead. Follow the recommendations in the material datasheet of the rubber supplier.
- IP00 LED modules, as manufactured, have no conformal coating and therefore offer no inherent protection against corrosion. Conformal coating treatment is possible, however materials must be selected properly in order to avoid product damage or impaired performance; the user must also completely seal the cut parts (ends/edges).
- For applications involving exposure to humidity and dust the module must be protected by a fixture or housing with a suitable IP protection class.
- Consult Inventronics Technical Service for further advice.
- Only a qualified electrician may install the module.
- Handle with care and ensure that there is no mechanical product damage, including damage to invisible internal electronics parts.
- Exceeding maximum operating and storage temperature ratings can reduces the expected lifetime or even destroy the LED module. The temperature of the LED module must be measured at the Tc-point in accordance with EN 60598-1 under steady-state conditions, considering the worst case; drive all channels at 100 % power. Refer to the product drawing for the exact location of the Tc-point.
- Exceeding the maximum ratings for the operating voltage causes hazardous overload and will likely destroy the LED module.
- Installation of LED modules and connection to the power supply must comply with all applicable electrical and safety standards.
- Observe correct polarity and wiring diagrams! Incorrect polarity or wrong wiring can cause unpredictable permanent damage or even failure of the product.
- Never exceed the maximum operable length, including daisy-chaining connections.
- Always ensure electrical isolation between the LED module and the mounting surface, especially in the vicinity of connections or cut ends.
- IP00 LED modules are ESD-sensitive; take adequate precautions during installation and operation of the products.
- Use only SELV LED drivers in accordance with applicable lighting standards and LED module ratings. In order to safely operate Inventronics LED modules it is necessary to supply them with an electronically stabilized power supply providing protection against short circuits, overload and overheating. To simplify the approval process of the luminaire/installation, the electronic power supplies control gear for LED modules must bear the CE and ENEC marking. In Europe the Declarations of Conformity must include at least the following standards: EN 61347-2-13, EN 55015, EN 61547 and EN 61000-3-2. ENEC certification will be based on EN 61347-2-13 and EN 62384. Inventronics OPTOTRONIC® LED drivers comply with all relevant standards and guarantee safe operation; see the relevant brochure for more detailed information about Inventronics OPTOTRONIC®.
- Avoid installations in rural and urban areas with high industrial activity and heavy traffic (higher than class than 4C1 according IEC 60721-3) and as well as installation in spa, areas with chlorine atmosphere, direct exposure to blown sand.

Download Data

File		
IES data	Compressed	►LF3400TW-G5-925.940-03 L1 IES 240425
Product Datasheet	PDF	►LINEARlight_Flex_Tunable_White_IP00_SpecSheet
Certificates	PDF	►LR FLEX TW2 CE 4249165 150525
Certificates	PDF	►Flex Protect TW G2 CE 4264939 150525
Eulumdat	Compressed	►LF3400TW-G5-925.940-03 L1 LDT 240425
User instruction	PDF	►LINEARlight FLEX, Tunable White

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
6937186129420 INVENTRONICS	LF3400TW-G5 -925.940-03 L1	Shipping carton box 8 Pieces	241 x 195 x 205 mm	9.63 dm³	151.63 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.

Accessories Optional

Product description	Accessory name	Accessory code
LF3400TW-G5 -925.940-03 L1	FX-QMS-G1 -TU15H6W3-300	6937186126702
LF3400TW-G5 -925.940-03 L1	FX-QMS-G2 -TU16H12-300	6937186126740
LF3400TW-G5 -925.940-03 L1	FX-QMW-G2 -TU26H25W10-200	6937186126801
LF3400TW-G5 -925.940-03 L1	FX-QMW-G2 -TU26H25-200 WH KIT5	6937186126825
LF3400TW-G5 -925.940-03 L1	FX-QMW-G2 -TU26H10-200 WS	6937186126849
LF3400TW-G5 -925.940-03 L1	FX-QMS-G2 -TU15H6-300	6937186130860
LF3400TW-G5 -925.940-03 L1	Corner surface wide profile 46x27 mm	6937186131706
LF3400TW-G5 -925.940-03 L1	CONN-FLEX -3P-050 KIT 10PCS	6937186141125
LF3400TW-G5 -925.940-03 L1	CONN-FLEX -3P-200 KIT 10PCS	6937186141149
LF3400TW-G5 -925.940-03 L1	LTS-SLIMTRACK -2000 KIT 5 PCS	6937186141200
LF3400TW-G5 -925.940-03 L1	CORNER-FLEX -4P-003 KIT 10PCS	6937186141262
LF3400TW-G5 -925.940-03 L1	CORNER-FLEX -4P-015 KIT 10PCS	6937186141286
LF3400TW-G5 -925.940-03 L1	FX-QMS-G1 -TU16H12W3-300	6937186146229
LF3400TW-G5 -925.940-03 L1	FX-QMW-G1 -TK30D46H27-300	6937186148407
LF3400TW-G5 -925.940-03 L1	FX-QMS-G1 -TU16H12LS-300	6937186148421
LF3400TW-G5 -925.940-03 L1	Pendant wide profile 56x70 mm	6977078997805
LF3400TW-G5 -925.940-03 L1	Pendant wide profile 56x70 mm	6977078997836
LF3400TW-G5 -925.940-03 L1	Pendant wide profile 56x70 mm	6977078997867
LF3400TW-G5 -925.940-03 L1	Pendant wide profile 56x70 mm	6977078997898
LF3400TW-G5 -925.940-03 L1	Pendant wide profile 56x70 mm	6977078997928
LF3400TW-G5 -925.940-03 L1	Pendant wide profile 56x70 mm	6977078997959
LF3400TW-G5 -925.940-03 L1	null	6977078998017
LF3400TW-G5 -925.940-03 L1	null	6977078998048
LF3400TW-G5 -925.940-03 L1	null	6977078998079
LF3400TW-G5 -925.940-03 L1	null	6977078998109
LF3400TW-G5 -925.940-03 L1	null	6977078998130
LF3400TW-G5 -925.940-03 L1	null	6977078998161
LF3400TW-G5 -925.940-03 L1	LF -WIRE-30 FLEX SC	4008321875587
LF3400TW-G5 -925.940-03 L1	LF -WIRE-150 FLEX SC	4008321875563
LF3400TW-G5 -925.940-03 L1	LF -WIRE-150 FLEX SC	6937186138323
LF3400TW-G5 -925.940-03 L1	CORNER-FLEX -4P-003 KIT 10PCS	4062172179638
LF3400TW-G5 -925.940-03 L1	CORNER-FLEX -4P-003 KIT 10PCS	6937186141262