

LINEARlight FLEX Protect Tunable White

LED modules for professional and industrial applications



Product family features

- 24 V LED strips flexible and cuttable
- Luminous flux: up to 3,400 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: 2500...4000 K, 2700...5700 K CRI90
- CRI 90 versions 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
- IP67 & IP66
- Salt-mist atmosphere resistant (acc. to IEC 60068-2-52, highest severity)
- UV radiation resistant (acc. to ISO 4892-2) / Mixed flowing gas corrosion resistant (IEC 60068-2-60)
- 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, and also internal OSRAM LAB tests
- 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



Product family datasheet

Technical data

Electrical data

Product description	Nominal wattage per meter
LFP3400TW-G5 -825.940-03 L1	30.9 W
LFP3400TW-G5 -927.957-03 L1	32 W
LFP1100TW-G5 -825.940-09 L2	9.9 W
LFP1100TW-G5 -927.957-09 L2	10.2 W

Photometrical data

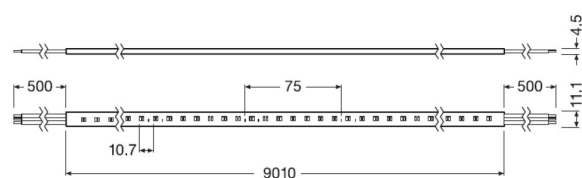
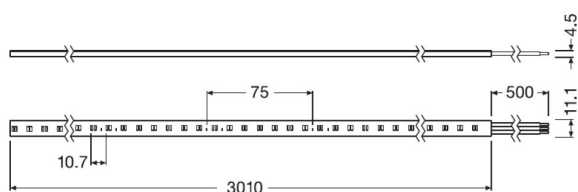
Product description	Color rendering index Ra	Luminous flux per meter	Luminous efficacy	Standard deviation of color matching
LFP3400TW-G5 -825.940-03 L1	80	3356 lm	108 lm/W	≤3 sdc
LFP3400TW-G5 -927.957-03 L1	90	3356 lm	105 lm/W	≤3 sdc
LFP1100TW-G5 -825.940-09 L2	80	1156 lm	117 lm/W	≤3 sdc
LFP1100TW-G5 -927.957-09 L2	90	1134 lm	111 lm/W	≤3 sdc

Dimensions & weight

Product description	Cable length
LFP3400TW-G5 -825.940-03 L1	500.0
LFP3400TW-G5 -927.957-03 L1	500.0
LFP1100TW-G5 -825.940-09 L2	500.0
LFP1100TW-G5 -927.957-09 L2	500.0

Product family datasheet

Product line drawing



LFP3400TW-G5 -825.940-03 L1, LFP3400TW-G5 -927.957-03 L1

LFP1100TW-G5 -825.940-09 L2, LFP1100TW-G5 -927.957-09 L2

Certificates & standards

Product description	Energy efficiency class of the contained light source
LFP3400TW-G5 -825.940-03 L1	F
LFP3400TW-G5 -927.957-03 L1	F
LFP1100TW-G5 -825.940-09 L2	F
LFP1100TW-G5 -927.957-09 L2	F

Logistical data

Product description	Commodity code
LFP3400TW-G5 -825.940-03 L1	940542319000
LFP3400TW-G5 -927.957-03 L1	940542319000
LFP1100TW-G5 -825.940-09 L2	940542319000
LFP1100TW-G5 -927.957-09 L2	940542319000

Product family datasheet

Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

Product description	Date of Declaration	Primary Article Identifier	Declaration No. in SCIP database
LFP3400TW-G5 -825.940-03 L1	14-01-2022	4062172196604	In work
LFP3400TW-G5 -927.957-03 L1	14-01-2022	4062172196628	In work
LFP1100TW-G5 -825.940-09 L2	14-01-2022	4062172196567	In work
LFP1100TW-G5 -927.957-09 L2	19-01-2022	4062172196581	In work

Equipment / Accessories

- Flexessories: a complete set of aluminum channels with diffusers and lenses
- Drivers and dimmers: wide selection of OPTOTRONIC 24 V DALI, DMX and BLE
- Check for more detailed information the specification sheets in the download section









Application advice

For more detailed application information and graphics please see product datasheet.







Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

File
 User instruction LINEARlight FLEX Protect Tunable White
 Product Datasheet LINEARlight Flex Protect Tunable White CRI90 specification sheet (EN)
 Brochures Light is freedom of design (EN)
 Certificates LF(P)-Uniformity ENEC 181120
 Certificates LF(P) TW G5 CB 180121
 Declarations of conformity LFPTWG5 CE 4249165 241120
 Eulumdat LFP3400TW-G5-825.940-03 L1 LTD 130421
 IES data LFP3400TW-G5-825.940-03 L1 IES 130421

Product family datasheet

	Eulumdat LFP3400TW-G5-927.957-03 L1 LTD 130421
	IES data LFP3400TW-G5-927.957-03 L1 IES 130421
	Eulumdat LFP1100TW-G5-825.940-09 L2 LTD 130421
	IES data LFP1100TW-G5-825.940-09 L2 IES 130421
	User instruction LINEARlight FLEX, Tunable White
	Eulumdat LFP1100TW-G5-927.957-09 L2 LTD 130421
	IES data LFP1100TW-G5-927.957-09 L2 IES 130421

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

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172196604	LFP3400TW-G5 - 825.940-03 L1	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	5602.00 g
4062172196628	LFP3400TW-G5 - 927.957-03 L1	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	5602.00 g
4062172196567	LFP1100TW-G5 - 825.940-09 L2	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	8370.00 g

Product family datasheet

Logistical Data

4062172196581	LFP1100TW-G5 - 927.957-09 L2	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	8370.00 g
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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.