

LINEARlight FLEX Tunable White Protect

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 voltage	Type of current	Nominal wattage per meter	Rated wattage	Input voltage range	Accidental reverse input voltage protection up to
LFP3400TW-G5 -825.940-03 L1	24.0 V	DC	30.9 W	92.80 W	23...25 V	25 V
LFP3400TW-G5 -927.957-03 L1	240 V	DC	32 W	9600 W	23...25 V	25 V
LFP1100TW-G5 -825.940-09 L2	240 V	DC	9.9 W	8870 W	23...25 V	25 V
LFP1100TW-G5 -927.957-09 L2	240 V	DC	10.2 W	9220 W	23...25 V	25 V

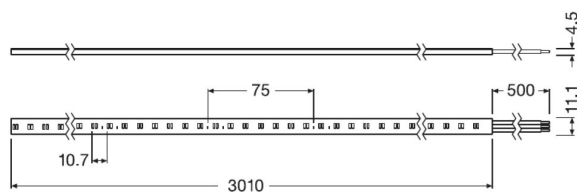
Photometrical data

Product description	Light color LED	Color rendering index Ra	Lumi-nous flux per meter	Luminous efficacy	Standard deviation of color matching	Light color (designation)
LFP3400TW-G5 -825.940-03 L1	Dynamic White	80	3356 lm	108 lm/W	≤3 sdc _m	2500...4000 K
LFP3400TW-G5 -927.957-03 L1	Dynamic White	90	3356 lm	105 lm/W	≤3 sdc _m	2700...5700 K
LFP1100TW-G5 -825.940-09 L2	Dynamic White	80	1156 lm	117 lm/W	≤3 sdc _m	2500...4000 K
LFP1100TW-G5 -927.957-09 L2	Dynamic White	90	1134 lm	111 lm/W	≤3 sdc _m	2700...5700 K

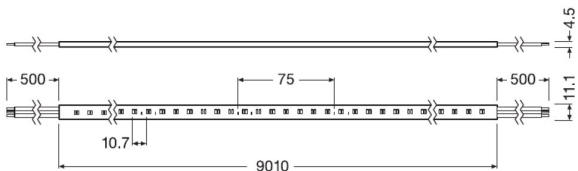
Dimensions & weight

Product description	Length	Cable length	Product weight
LFP3400TW-G5 -825.940-03 L1	3000 mm	500.0	173.00 g
LFP3400TW-G5 -927.957-03 L1	30000 mm	5000	17300 g
LFP1100TW-G5 -825.940-09 L2	90000 mm	5000	51900 g
LFP1100TW-G5 -927.957-09 L2	90000 mm	5000	51900 g

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

Temperatures & operating conditions

Product description	Temperature range in operation at Tc point	Temperature range at storage
LFP3400TW-G5 -825.940-03 L1	-30...80 °C ¹⁾	-40...85 °C
LFP3400TW-G5 -927.957-03 L1	-30...80 °C ¹⁾	-40...85 °C
LFP1100TW-G5 -825.940-09 L2	-30...80 °C ¹⁾	-40...85 °C
LFP1100TW-G5 -927.957-09 L2	-30...80 °C ¹⁾	-40...85 °C

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

Additional product data

Product description	ID of contained light source
LFP3400TW-G5 -825.940-03 L1	LS_TRV_286107
LFP3400TW-G5 -927.957-03 L1	LS_TRV_286108
LFP1100TW-G5 -825.940-09 L2	LS_TRV_286105
LFP1100TW-G5 -927.957-09 L2	LS_TRV_286106

Product family datasheet

Certificates & standards

Product description	Standards	Energy efficiency class of the contained light source
LFP3400TW-G5 -825.940-03 L1	CE/UL/ENEC/EAC	F
LFP3400TW-G5 -927.957-03 L1	CE/UL/ENEC/EAC	F
LFP1100TW-G5 -825.940-09 L2	CE/UL/ENEC/EAC	F
LFP1100TW-G5 -927.957-09 L2	CE/UL/ENEC/EAC	F

Logistical data

Product description	Commodity code
LFP3400TW-G5 -825.940-03 L1	85395100000
LFP3400TW-G5 -927.957-03 L1	85395100000
LFP1100TW-G5 -825.940-09 L2	85395100000
LFP1100TW-G5 -927.957-09 L2	85395100000

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	18-04-2022	4062172196604	In work
LFP3400TW-G5 -927.957-03 L1	18-04-2022	4062172196628	In work
LFP1100TW-G5 -825.940-09 L2	18-04-2022	4062172196567	In work
LFP1100TW-G5 -927.957-09 L2	18-04-2022	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

Product family datasheet

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 VDE ENEC CERTIFICATE 40052516 160823
	Certificates LF(P) TW G5 CB 180121
	Declarations of conformity Flex Protect TW G2 CE 4264939 180823
	Eulumdat LFP3400TW-G5-825.940-03 L1 LTD 130421
	IES data LFP3400TW-G5-825.940-03 L1 IES 130421
	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

Product family datasheet

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
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

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.

Accessories Optional

Product description	Accessory name	Accessory code
LFP3400TW-G5 -825.940-03 L1	ENDCAP -IP67 KIT 10PCS	▶ 4062172176552
LFP3400TW-G5 -825.940-03 L1	LTS-SLIMTRACK -2000 KIT 5 PCS	▶ 4062172207300
LFP3400TW-G5 -825.940-03 L1	FX-QMS-G1 -TU15H6W3-300	▶ 4052899448889
LFP3400TW-G5 -825.940-03 L1	FX-QMS-G1 -TU16H12W3-300	▶ 4052899448988
LFP3400TW-G5 -825.940-03 L1	FX-QMS-G1 -TU16H12-300	▶ 4052899448964
LFP3400TW-G5 -927.957-03 L1	ENDCAP -IP67 KIT 10PCS	▶ 4062172176552

Product family datasheet

LFP3400TW-G5 -927.957-03 L1	LTS-SLIMTRACK -2000 KIT 5 PCS	▶ 4062172207300
LFP3400TW-G5 -927.957-03 L1	FX-QMS-G1 -TU15H6W3-300	▶ 4052899448889
LFP3400TW-G5 -927.957-03 L1	FX-QMS-G1 -TU16H12W3-300	▶ 4052899448988
LFP3400TW-G5 -927.957-03 L1	FX-QMS-G1 -TU16H12-300	▶ 4052899448964
LFP1100TW-G5 -825.940-09 L2	ENDCAP -IP67 KIT 10PCS	▶ 4062172176552
LFP1100TW-G5 -825.940-09 L2	LTS-SLIMTRACK -2000 KIT 5 PCS	▶ 4062172207300
LFP1100TW-G5 -825.940-09 L2	FX-QMS-G1 -TU15H6W3-300	▶ 4052899448889
LFP1100TW-G5 -825.940-09 L2	FX-QMS-G1 -TU16H12W3-300	▶ 4052899448988
LFP1100TW-G5 -825.940-09 L2	FX-QMS-G1 -TU16H12-300	▶ 4052899448964
LFP1100TW-G5 -927.957-09 L2	ENDCAP -IP67 KIT 10PCS	▶ 4062172176552
LFP1100TW-G5 -927.957-09 L2	LTS-SLIMTRACK -2000 KIT 5 PCS	▶ 4062172207300
LFP1100TW-G5 -927.957-09 L2	FX-QMS-G1 -TU15H6W3-300	▶ 4052899448889
LFP1100TW-G5 -927.957-09 L2	FX-QMS-G1 -TU16H12W3-300	▶ 4052899448988
LFP1100TW-G5 -927.957-09 L2	FX-QMS-G1 -TU16H12-300	▶ 4052899448964

Disclaimer

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