

## LINEARlight FLEX Tunable White

LED modules for professional and industrial applications



### Areas of application

- Cove lighting
- Shop lighting
- Offices

### Product benefits

- Simple mounting and connection
- Toolless connection with the optional CONNECTsystem
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- High luminous flux
- Extraordinary design and high quality materials
- Pre-soldered wires (TWW versions)

### Product features

- Flexible and cuttable LED strip
- Luminous flux: up to 4,000 lm/m
- Adjustable color temperature via Tunable White: 2,700...6,500 K



## Product family datasheet

### Technical data

#### Electrical data

Product description	Nominal voltage	Rated wattage	Reverse Voltage	Input voltage range
LF4000TW -G3-827/865-02 <sup>1)</sup>	24.0 V	77.30 W	25 V	23...25 V
LF3000TW -G3-827/865-03 <sup>1)</sup>	24.0 V	89.90 W	25 V	23...25 V
LF2000TW -G3-827/865-04 <sup>1)</sup>	24.0 V	83.20 W	25 V	23...25 V
LF1200TW -G3-827/865-09 <sup>1)</sup>	24.0 V	94.50 W	25 V	23...25 V

<sup>1)</sup> Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information, see [www.osram.com/led-systems/](http://www.osram.com/led-systems/)All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values

#### Photometrical data

Product description	Color temperature	Light color (designation)	Light color LED	Luminous efficacy	Color rendering index Ra
LF4000TW -G3-827/865-02 <sup>1)</sup>	2700 ... 6500 K	Dynamic White	Tunable White	91 lm/W <sup>2)</sup>	>80
LF3000TW -G3-827/865-03 <sup>1)</sup>	2700 ... 6500 K	Dynamic White	Tunable White	100 lm/W <sup>2)</sup>	>80
LF2000TW -G3-827/865-04 <sup>1)</sup>	2700 ... 6500 K	Dynamic White	Tunable White	108 lm/W <sup>2)</sup>	>80
LF1200TW -G3-827/865-09 <sup>1)</sup>	2700 ... 6500 K	Dynamic White	Tunable White	114 lm/W <sup>2)</sup>	>80

<sup>1)</sup> Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information, see [www.osram.com/led-systems/](http://www.osram.com/led-systems/)All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values

<sup>2)</sup> For white color

#### Light technical data

Product description	Beam angle
LF4000TW -G3-827/865-02 <sup>1)</sup>	120 °
LF3000TW -G3-827/865-03 <sup>1)</sup>	120 °
LF2000TW -G3-827/865-04 <sup>1)</sup>	120 °
LF1200TW -G3-827/865-09 <sup>1)</sup>	120 °

<sup>1)</sup> Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information, see [www.osram.com/led-systems/](http://www.osram.com/led-systems/)All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values

## Product family datasheet

### LED module information

Product description	Number of LEDs per module	Number of LEDs per meter
LF4000TW -G3-827/865-02 <sup>1)</sup>	336	160
LF3000TW -G3-827/865-03 <sup>1)</sup>	480	160
LF2000TW -G3-827/865-04 <sup>1)</sup>	720	160
LF1200TW -G3-827/865-09 <sup>1)</sup>	1440	160

<sup>1)</sup> Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information, see [www.osram.com/led-systems/](http://www.osram.com/led-systems/)All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values

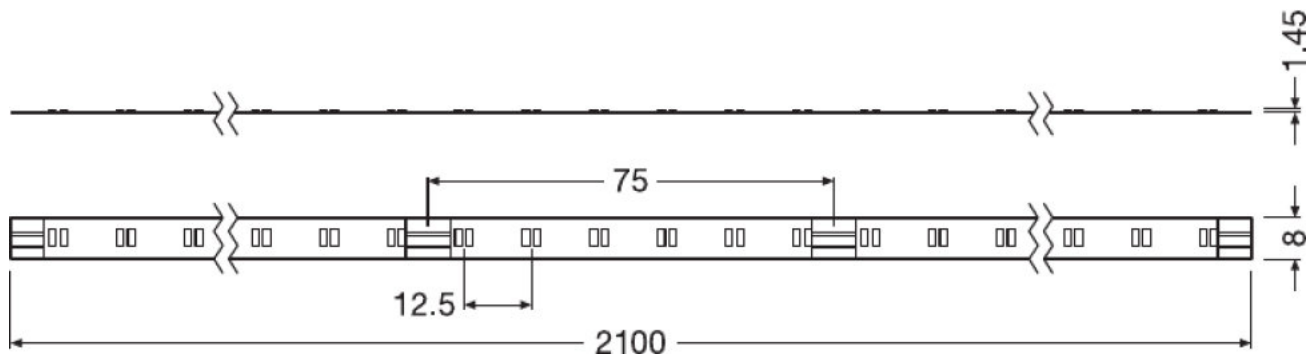
### Dimensions & weight

Product description	Length	Width	Height	Product weight	Length – smallest unit
LF4000TW -G3-827/865-02 <sup>1)</sup>	2100 mm	8.0 mm	1.45 mm	25.00 g	75.0 mm
LF3000TW -G3-827/865-03 <sup>1)</sup>	3000 mm	8.0 mm	1.45 mm	36.00 g	75.0 mm
LF2000TW -G3-827/865-04 <sup>1)</sup>	4500 mm	8.0 mm	1.45 mm	53.00 g	75.0 mm
LF1200TW -G3-827/865-09 <sup>1)</sup>	9000 mm	8.0 mm	1.45 mm	106.00 g	75.0 mm

<sup>1)</sup> Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information, see [www.osram.com/led-systems/](http://www.osram.com/led-systems/)All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values

# Product family datasheet

## Product line drawing

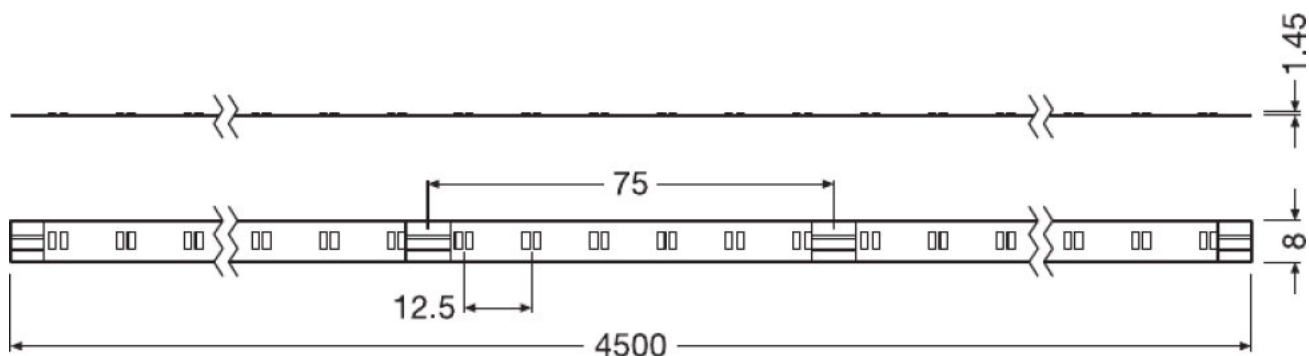


LF4000TW -G3-827/865-02

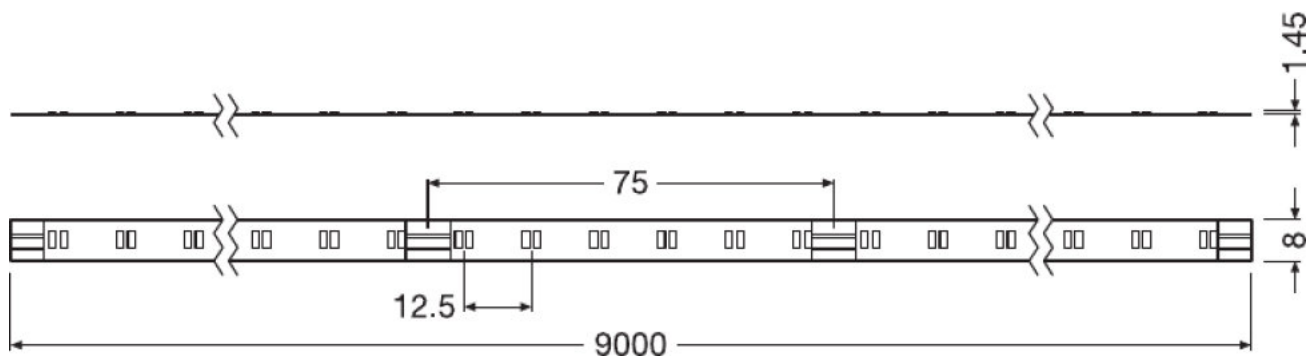


LF3000TW -G3-827/865-03

Product family datasheet



LF2000TW -G3-827/865-04



LF1200TW -G3-827/865-09

## Product family datasheet

### Temperatures & operating conditions

Product description	Temperature range in operation
LF4000TW -G3-827/865-02 <sup>1)</sup>	-20...85 °C
LF3000TW -G3-827/865-03 <sup>1)</sup>	-20...85 °C
LF2000TW -G3-827/865-04 <sup>1)</sup>	-20...85 °C
LF1200TW -G3-827/865-09 <sup>1)</sup>	-20...85 °C

<sup>1)</sup> Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information, see [www.osram.com/led-systems](http://www.osram.com/led-systems)/All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values

### Capabilities

Product description	Dimmable
LF4000TW -G3-827/865-02 <sup>1)</sup>	Yes
LF3000TW -G3-827/865-03 <sup>1)</sup>	Yes
LF2000TW -G3-827/865-04 <sup>1)</sup>	Yes
LF1200TW -G3-827/865-09 <sup>1)</sup>	Yes

<sup>1)</sup> Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information, see [www.osram.com/led-systems](http://www.osram.com/led-systems)/All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values

### Certificates & standards

Product description	Standards
LF4000TW -G3-827/865-02 <sup>1)</sup>	UL
LF3000TW -G3-827/865-03 <sup>1)</sup>	UL
LF2000TW -G3-827/865-04 <sup>1)</sup>	UL
LF1200TW -G3-827/865-09 <sup>1)</sup>	UL

<sup>1)</sup> Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information, see [www.osram.com/led-systems](http://www.osram.com/led-systems)/All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values

### Logistical data

Product description	Temperature range at storage
LF4000TW -G3-827/865-02 <sup>1)</sup>	-40...85 °C
LF3000TW -G3-827/865-03 <sup>1)</sup>	-40...85 °C
LF2000TW -G3-827/865-04 <sup>1)</sup>	-40...85 °C
LF1200TW -G3-827/865-09 <sup>1)</sup>	-40...85 °C

<sup>1)</sup> Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information, see

## Product family datasheet

www.osram.com/led-systems/All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values

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### Equipment / Accessories

- Simplified connection with optional matching CONNECTsystem
- Quick installation with optional SLIM TRACK System
- Perfectly matched with OPTOTRONIC OTi DALI 50/220...240/24 TW
- Perfectly matched with OPTOTRONIC OTi DALI 80/220...240/24 TW

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### Application advice

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












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### Sales and Technical Support







Sales and Technical Support [www.osram.com](http://www.osram.com)

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### Download Data

File	
	Product Datasheet 727335_LINEARLIGHT FLEX POWER TUNABLE WHITE TECHNICAL DATASHEET
	Brochures Light is freedom of design (EN)
	Certificates EAC Certificate
	Certificates UL Certificate
	Certificates ENEC10_VDE Certificate
	Certificates ENEC+_VDE Certificate
	Declarations of conformity Declaration of conformity
	Declarations of conformity Manufacturer declaration
	Eulumdat 727228_LF4000TW-G3-827-865-02_LDT
	IES data 727227_LF4000TW-G3-827-865-02_IES
	IES data 727226_LF4000TW-G3-827-865-02_IES

## Product family datasheet

	Eulumdat 727215_LF3000TW-G3-827-865-03_LDT
	IES data 727214_LF3000TW-G3-827-865-03_IES
	Eulumdat 727189_LF2000TW-G3-827-865-04_LDT
	IES data 727188_LF2000TW-G3-827-865-04_IES
	Eulumdat 727163_LF1200TW-G3-827-865-09_LTD
	IES data 727162_LF1200TW-G3-827-865-09_IES

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899953260	LF4000TW -G3-827/865-02	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm <sup>3</sup>	1133.00 g
4052899953277	LF3000TW -G3-827/865-03	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm <sup>3</sup>	1221.00 g
4052899953284	LF2000TW -G3-827/865-04	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm <sup>3</sup>	1357.00 g
4052899953161	LF1200TW -G3-827/865-09	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm <sup>3</sup>	1781.00 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
LF4000TW -G3-827/865-02	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF4000TW -G3-827/865-02	LINEARlight FLEX, -SC08-G2-CT3PFE-0500HF	▶ 4052899483040
LF4000TW -G3-827/865-02	LINEARlight FLEX, -SC08-G2-CT3PF-0500HF	▶ 4052899483019
LF3000TW -G3-827/865-03	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF3000TW -G3-827/865-03	LINEARlight FLEX, -SC08-G2-CT3PFE-0500HF	▶ 4052899483040
LF3000TW -G3-827/865-03	LINEARlight FLEX, -SC08-G2-CT3PF-0500HF	▶ 4052899483019
LF2000TW -G3-827/865-04	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF2000TW -G3-827/865-04	LINEARlight FLEX, -SC08-G2-CT3PFE-0500HF	▶ 4052899483040
LF2000TW -G3-827/865-04	LINEARlight FLEX, -SC08-G2-CT3PF-0500HF	▶ 4052899483019
LF1200TW -G3-827/865-09	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
		▶ 4052899483040



## Product family datasheet

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LF1200TW -G3-827/865-09	LINEARlight FLEX, -SC08-G2-CT3PFE-0500HF	
LF1200TW -G3-827/865-09	LINEARlight FLEX, -SC08-G2-CT3PF-0500HF	▶ 4052899483019

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### References / Links

System configurator tool is available online at <https://flex.osram.info/en/flex-configurator>

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### Disclaimer

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