

LINEARlight FLEX Protect ShortPitch

LED modules for professional and industrial applications



Areas of application

- Suitable for outdoor use

Product benefits

- Very small LED spacing
- Outdoor use possible: UV and salt mist resistant (UV acc. to ISO 4892-2 - Method A, salt mist acc. to IEC 60068-2-52 severity 1)
- Great design freedom thanks to flexibility and cuttability of module
- High-performance silicone for extremely long life and flexibility
- Simple connection thanks to premounted connectors
- Extraordinary design and high quality materials
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back

Product features

- Flexible and cuttable LED strip
- Luminous flux: up to 810 lm/m
- Type of protection: IP67
- Dimmable
- Fine White (3.5 SDCM)



Product family datasheet

Technical data

Electrical data

Product description	Nominal voltage	Nominal wattage	Rated wattage	Nominal wattage per meter	Reverse Voltage	Input voltage range
LFP800S -G3-830-10 ¹⁾	24.0 V	83.00 W	83.00 W	8.3 W	25 V	23...25 V
LFP800S -G3-840-10 ¹⁾	24.0 V	77.00 W	77.00 W	7.7 W	25 V	23...25 V
LFP800S -G3-856-10 ¹⁾	24.0 V	83.00 W	83.00 W	7.7 W	25 V	23...25 V
LFP800S -G3-880-10 ¹⁾	24.0 V	83.00 W	83.00 W	8.3 W	25 V	23...25 V
LF06S -830-P	24.0 V	57.6 W	50.00 W	8.3 W		
LF06S -840-P	24.0 V	57.6 W	49.80 W	9.6 W		
LF06S -854-P	24.0 V	52.8 W	52.80 W	8.8 W		
LF06S -876-P	24.0 V	57.6 W	49.80 W	9.6 W		

¹⁾ 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/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 flux per meter	Luminous flux	Luminous efficacy
LFP800S -G3-830-10 ¹⁾	3000 K	Warm White	White	760 lm	7600 lm	92 lm/W
LFP800S -G3-840-10 ¹⁾	4000 K	Cool White	White	760 lm	7600 lm	99 lm/W
LFP800S -G3-856-10 ¹⁾	5600 K	Daylight	White	810 lm	8100 lm	98 lm/W
LFP800S -G3-880-10 ¹⁾	8000 K	SKYWHITE	White	810 lm	8100 lm	98 lm/W
LF06S -830-P	3000 K	Warm White	White	700 lm	4200 lm	73 lm/W
LF06S -840-P	4000 K	Cool White	White	700 lm	4200 lm	73 lm/W
LF06S -854-P	5400 K	Cool Daylight	White	760 lm	4560 lm	86 lm/W
LF06S -876-P	7600 K	Daylight	White	760 lm	4560 lm	79 lm/W

Product description	Color rendering index Ra
LFP800S -G3-830-10 ¹⁾	>80
LFP800S -G3-840-10 ¹⁾	>80
LFP800S -G3-856-10 ¹⁾	>80
LFP800S -G3-880-10 ¹⁾	>80
LF06S -830-P	>80
LF06S -840-P	>80
LF06S -854-P	>80
LF06S -876-P	>80

¹⁾ 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/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

Product family datasheet

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

Light technical data

Product description	Beam angle
LFP800S -G3-830-10 ¹⁾	120 °
LFP800S -G3-840-10 ¹⁾	120 °
LFP800S -G3-856-10 ¹⁾	120 °
LFP800S -G3-880-10 ¹⁾	120 °
LF06S -830-P	120 °
LF06S -840-P	120 °
LF06S -854-P	120 °
LF06S -876-P	120 °

¹⁾ 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/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

LED module information

Product description	Number of LEDs per module	Number of LEDs per meter
LFP800S -G3-830-10 ¹⁾	1200	120
LFP800S -G3-840-10 ¹⁾	1200	120
LFP800S -G3-856-10 ¹⁾	1200	120
LFP800S -G3-880-10 ¹⁾	1200	120
LF06S -830-P	720	120
LF06S -840-P	720	120
LF06S -854-P	720	120
LF06S -876-P	720	120

¹⁾ 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/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

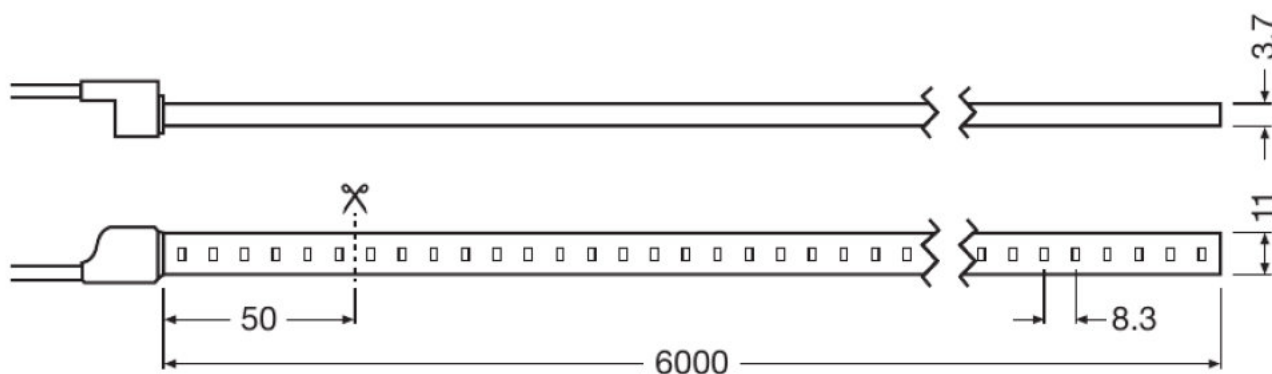
Product family datasheet

Dimensions & weight

Product description	Length	Width	Height	Product weight	Length – smallest unit
LFP800S -G3-830-10 ¹⁾	10000 mm	11.0 mm	3.7 mm	113.00 g	50.0 mm
LFP800S -G3-840-10 ¹⁾	10000 mm	11.0 mm	3.7 mm	113.00 g	50.0 mm
LFP800S -G3-856-10 ¹⁾	10000 mm	11.0 mm	3.7 mm	113.00 g	50.0 mm
LFP800S -G3-880-10 ¹⁾	10000 mm	11.0 mm	3.7 mm	113.00 g	50.0 mm
LF06S -830-P	6000 mm	11.0 mm	3.7 mm	330.00 g	50.0 mm
LF06S -840-P	6000 mm	11.0 mm	3.7 mm	330.00 g	50.0 mm
LF06S -854-P	6000 mm	11.0 mm	3.7 mm	330.00 g	50.0 mm
LF06S -876-P	6000 mm	11.0 mm	3.7 mm	330.00 g	50.0 mm

¹⁾ 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/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 line drawing



LFP800S -G3-830-10, LFP800S -G3-840-10, LFP800S -G3-856-10, LFP800S -G3-880-10, LF06S -830-P, LF06S -840-P, LF06S -854-P, LF06S -876-P

Temperatures & operating conditions

Product description	Temperature range in operation
LFP800S -G3-830-10 ¹⁾	-20...70 °C
LFP800S -G3-840-10 ¹⁾	-20...70 °C
LFP800S -G3-856-10 ¹⁾	-20...70 °C
LFP800S -G3-880-10 ¹⁾	-20...70 °C
LF06S -830-P	
LF06S -840-P	
LF06S -854-P	
LF06S -876-P	

¹⁾ 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/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
LFP800S -G3-830-10 ¹⁾	No
LFP800S -G3-840-10 ¹⁾	No
LFP800S -G3-856-10 ¹⁾	No
LFP800S -G3-880-10 ¹⁾	No
LF06S -830-P	Yes
LF06S -840-P	Yes
LF06S -854-P	Yes
LF06S -876-P	Yes

¹⁾ 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/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
LFP800S -G3-830-10 ¹⁾	CE; ENEC 10 VDE/UL
LFP800S -G3-840-10 ¹⁾	CE; ENEC 10 VDE/UL
LFP800S -G3-856-10 ¹⁾	CE; ENEC 10 VDE/UL
LFP800S -G3-880-10 ¹⁾	CE; ENEC 10 VDE/UL
LF06S -830-P	CE/UL/ENEC
LF06S -840-P	CE/UL/ENEC
LF06S -854-P	CE/UL/ENEC
LF06S -876-P	CE/UL/ENEC

¹⁾ 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/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

the typical values

Logistical data

Product description	Temperature range at storage
LFP800S -G3-830-10 ¹⁾	-40...85 °C
LFP800S -G3-840-10 ¹⁾	-40...85 °C
LFP800S -G3-856-10 ¹⁾	-40...85 °C
LFP800S -G3-880-10 ¹⁾	-40...85 °C
LF06S -830-P	-40...100 °C
LF06S -840-P	-40...100 °C
LF06S -854-P	-40...100 °C
LF06S -876-P	-40...100 °C

¹⁾ 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/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

Equipment / Accessories

- Simplified connection with optional matching CONNECTsystem
- Quick installation with optional SLIM TRACK System
- Perfectly matched to OPTOTRONIC 24 V electronic control gears

Application advice

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

Sales and Technical Support


Sales and Technical Support www.osram.com

Country specific information

Product description	Product code	METEL-Code	SEG-No.	STK number	UK Org
LF06S -830-P	4052899091979	-	-	4030287	-
LF06S -840-P	4052899092150	-	-	4030288	-
LF06S -854-P	4052899092273	-	-	4030289	-
LF06S -876-P	4052899092396	-	-	4030290	-

Download Data

Product family datasheet

File	
	Brochures Light is freedom of design (EN)
	Certificates VDE-ENEC+ Certificate
	Certificates Approval 40045955 VDE Certificate
	Certificates EAC Certificate
	Certificates UL Certificate
	Declarations of conformity Declaration of Conformity LFP800S-G3
	Declarations of conformity Manufacturer declaration LFP800S-G3
	Eulumdat Eulumdat LFP800S-G3-830-10
	IES data IES LFP800S-G3-830-10
	Eulumdat Eulumdat LFP800S-G3-840-10
	IES data IES LFP800S-G3-840-10
	Eulumdat Eulumdat LFP800S-G3-856-10
	IES data IES LFP800S-G3-856-10
	Eulumdat Eulumdat LFP800S-G3-880-10
	IES data IES LFP800S-G3-880-10
	Addon Technical Information 685720_BinningSheet - LF06S
	Addon Technical Information 494747_Binning information - LF06S-P
	Eulumdat 722867_Eulumdat file LF06S-830-P
	Eulumdat 722868_Eulumdat file LF06S-840-P
	Eulumdat 722869_Eulumdat file LF06S-854-P
	Eulumdat 722870_Eulumdat file LF06S-876-P

Logistical Data

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899953352	LFP800S -G3-830-10	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	5122.00 g
4052899953369	LFP800S -G3-840-10	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	5122.00 g
4052899953376	LFP800S -G3-856-10	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	5122.00 g
4052899953383	LFP800S -G3-880-10	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	5122.00 g
4052899091979	LF06S -830-P	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	5738.00 g
4052899092150	LF06S -840-P	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	5738.00 g
4052899092273	LF06S -854-P	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	5738.00 g
4052899092396	LF06S -876-P	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	5738.00 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.

References / Links

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

Disclaimer

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