

## LINEARlight POWER Flex Protect

Flexible LED modules for professional and industrial applications



### Areas of application

- Facade accent lighting
- Ceiling integration
- Wall integration
- Cove lighting
- Machine lighting
- Path lighting
- Suitable for outdoor use

### Product benefits

- High luminous flux
- Great design freedom thanks to flexibility and cuttability of module
- High-performance silicon for extremely long life and flexibility
- Simple connection thanks to premounted connectors
- Extraordinary design and high quality materials
- Toolless connection with the optional CONNECTsystem
- 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 1,400 lm/m
- Type of protection: IP67
- Dimmable
- Fine White (3.5 SDCM)
- Salt mist proof
- Highly UV-resistant



# Product family datasheet

## Technical data

### Electrical data

Product description	Nominal voltage	Nominal current	Rated wattage	Nominal wattage per meter	Reverse Voltage
LF06P2 -W4F-830-P	24.0 V	4 A	96.00 W	18.8 W	25 V
LF06P2 -W4F-840-P	24.0 V	4 A	96.00 W	18.8 W	25 V
LF06P2 -W4F-876-P	24.0 V	4 A	88.00 W	17.3 W	25 V
LF06P -W4F-827-P <sup>1)</sup>	24.0 V		72.00 W	24.0 W	25 V

Product description	Type of current	Input voltage range
LF06P2 -W4F-830-P	DC	23...25 V
LF06P2 -W4F-840-P	DC	23...25 V
LF06P2 -W4F-876-P	DC	23...25 V
LF06P -W4F-827-P <sup>1)</sup>	DC	23...25 V

<sup>1)</sup> Modules perfectly matched to 24 V OSRAM OPTOTRONIC electronic control gear/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	Color rendering index Ra	Light color LED	Luminous flux per meter	Luminous flux	Light color (designation)
LF06P2 -W4F-830-P	3000 K	>80	White	1250 lm	6375 lm	
LF06P2 -W4F-840-P	4000 K	>80	White	1400 lm	7140 lm	
LF06P2 -W4F-876-P	7600 K	>80	White	1400 lm	7140 lm	
LF06P -W4F-827-P <sup>1)</sup>	2700 K	>80	White	960 lm	2880 lm	Warm White

<sup>1)</sup> Modules perfectly matched to 24 V OSRAM OPTOTRONIC electronic control gear/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

### Light technical data

Product description	Beam angle
LF06P2 -W4F-830-P	120 °
LF06P2 -W4F-840-P	120 °
LF06P2 -W4F-876-P	120 °
LF06P -W4F-827-P <sup>1)</sup>	120 °

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# Product family datasheet

## LED module information

Product description	Number of LEDs per module	Number of LEDs per meter
LF06P2 -W4F-830-P	204	40
LF06P2 -W4F-840-P	204	40
LF06P2 -W4F-876-P	204	40
LF06P -W4F-827-P <sup>1)</sup>	120	

<sup>1)</sup> Modules perfectly matched to 24 V OSRAM OPTOTRONIC electronic control gear/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

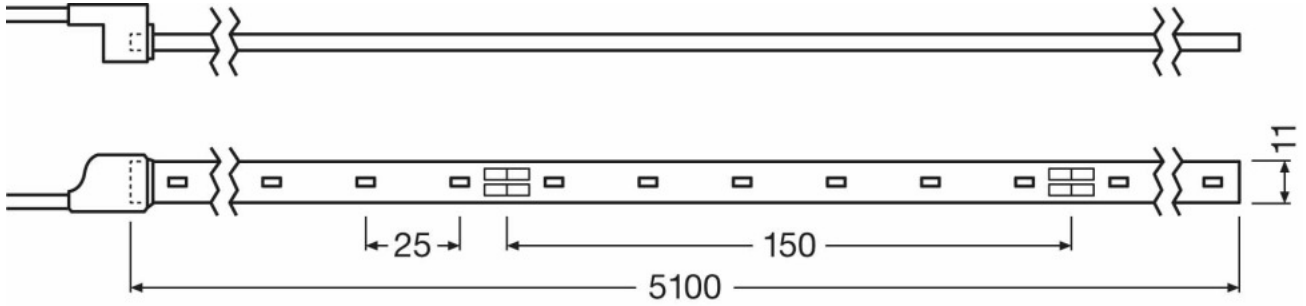
Product description	Length	Width	Height	Cable length	Product weight	Length – smallest unit
LF06P2 -W4F-830-P	5100 mm	11.0 mm	3.7 mm	500.0 mm	280.00 g	
LF06P2 -W4F-840-P	5100 mm	11.0 mm	3.7 mm	500.0 mm	280.00 g	
LF06P2 -W4F-876-P	5100 mm	11.0 mm	3.7 mm	500.0 mm	280.00 g	
LF06P -W4F-827-P <sup>1)</sup>	3000 mm <sup>2)</sup>	11.0 mm	4.5 mm	500.0 mm	241.00 g	150.0 mm

<sup>1)</sup> Modules perfectly matched to 24 V OSRAM OPTOTRONIC electronic control gear/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

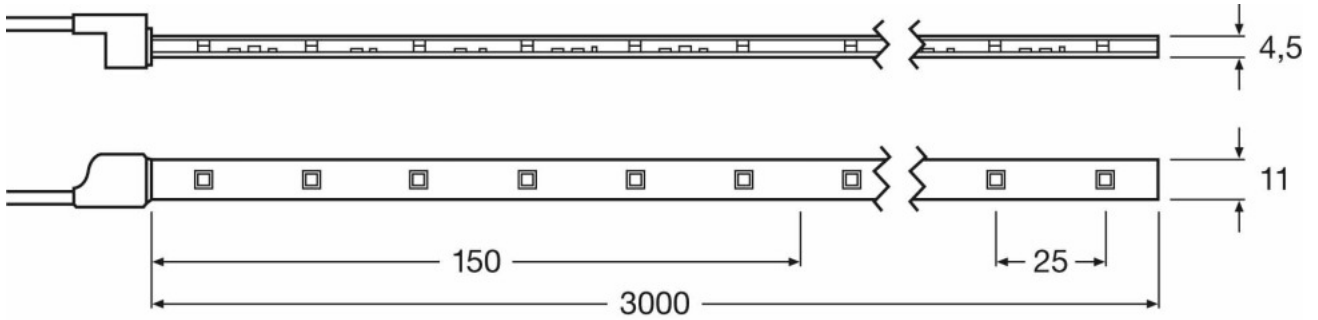
<sup>2)</sup> LED pitch 25 mm

Product family datasheet

Product line drawing



LF06P2 -W4F-830-P, LF06P2 -W4F-840-P, LF06P2 -W4F-876-P



LF06P -W4F-827-P

# Product family datasheet

## Lifespan

Product description	Lifespan
LF06P2 -W4F-830-P	50000 h <sup>2)</sup>
LF06P2 -W4F-840-P	50000 h <sup>2)</sup>
LF06P2 -W4F-876-P	50000 h <sup>2)</sup>
LF06P -W4F-827-P <sup>1)</sup>	50000 h <sup>3)</sup>

<sup>1)</sup> Modules perfectly matched to 24 V OSRAM OPTOTRONIC electronic control gear/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> L70/B50 at 40 °C

<sup>3)</sup> L70/B50 at Tc 40 °C

## Capabilities

Product description	Dimmable
LF06P2 -W4F-830-P	Yes
LF06P2 -W4F-840-P	Yes
LF06P2 -W4F-876-P	Yes
LF06P -W4F-827-P <sup>1)</sup>	Yes

<sup>1)</sup> Modules perfectly matched to 24 V OSRAM OPTOTRONIC electronic control gear/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	Energy consumption	Type of protection	Energy efficiency class
LF06P2 -W4F-830-P	4 kWh/1000h	IP67	A+ <sup>2)</sup>
LF06P2 -W4F-840-P	4 kWh/1000h	IP67	A+ <sup>2)</sup>
LF06P2 -W4F-876-P	3 kWh/1000h	IP67	A+ <sup>2)</sup>
LF06P -W4F-827-P <sup>1)</sup>	4 kWh/1000h	IP67	A <sup>2)</sup>

Product description	Standards
LF06P2 -W4F-830-P	CE/UL
LF06P2 -W4F-840-P	CE/UL
LF06P2 -W4F-876-P	CE/UL
LF06P -W4F-827-P <sup>1)</sup>	Acc. to EN 60598-1

<sup>1)</sup> Modules perfectly matched to 24 V OSRAM OPTOTRONIC electronic control gear/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> Applicable on smallest operable unit

## Product family datasheet

### 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](http://www.osram.com)








### Country specific information

Product description	Product code	METEL-Code	SEG number	STK number	UK Org
LF06P2-W4F-830-P	4008321790668	-	7500271	4030314	-
LF06P2-W4F-840-P	4008321789945	-	7500287	4030317	-
LF06P2-W4F-876-P	4008321789969	-	-	4030318	-
LF06P-W4F-827-P	4008321621894	OSRLF06PW4F827P	-	-	-

### Download Data

File	
	Product Datasheet LINEARlight POWER Flex Protect G2 LF06P2-P
	Product Family Datasheet BinningSheet - LF06P2-P
	Brochures FLEXIBLE LED MODULES
	Brochures Technical application guide LINEARlight Flex Protect (GB)
	Brochures Light is freedom of design (GB)
	Declarations of conformity EC-DoC LF06P2-W4F-8XX-P
	Eulumdat LINEARlight POWER Flex Protect G2 - LF06P2-W4F-830-P
	Product movie Spots LINEARlight Flex Quality long QTh264 3500kbit 1024x576 (E)
	Product movie Spots LINEARlight Flex Quality short QTh264 3500kbit 1024x576 (E)

## Product family datasheet

	Eulumdat LINEARlight POWER Flex Protect G2 - LF06P2-W4F-840-P
	Eulumdat LINEARlight POWER Flex Protect G2 - LF06P2-W4F-876-P
	Addon Technical Information ATI LINEARlight POWER FLEX PROTECT LF06P-P (GB)
	Declarations of conformity EC-DoC LINEARLight POWER Flex Protect LF06P-P
	Declarations of conformity EC-DoC LF06P-P LINEARLight POWER Flex P
	Declarations of conformity EC Man-DoC LF06P-P LINEARLight POWER
	Eulumdat LINEARlight POWER Flex Protect LF06P-W4F-827-P

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321790668	LF06P2 -W4F-830-P	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm <sup>3</sup>	6458.00 g
4008321789945	LF06P2 -W4F-840-P	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm <sup>3</sup>	6458.00 g
4008321789969	LF06P2 -W4F-876-P	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm <sup>3</sup>	6458.00 g
4008321621894	LF06P -W4F-827-P	Shipping carton box 8	366 mm x 343 mm x 290 mm	36.41 dm <sup>3</sup>	5397.92 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.