

LINEARlight POWER Flex Protect

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 silicone 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	Type of current
LF06P2 -W4F-830-P	24.0 V	3.1 A	79.10 W	15.5 W	24 V	DC
LF06P2 -W4F-840-P	24.0 V	3 A	71.40 W	14.0 W	24 V	DC
LF06P2 -W4F-835-P	24.0 V	3 A	71.40 W	14.0 W	24 V	DC
LF06P2 -W4F-860-P	24.0 V	3 A	71.40 W	14.0 W	24 V	DC

Product description	Input voltage range
LF06P2 -W4F-830-P	23...25 V
LF06P2 -W4F-840-P	23...25 V
LF06P2 -W4F-835-P	23...25 V
LF06P2 -W4F-860-P	23...25 V

Photometrical data

Product description	Color temperature	Color rendering index Ra	Light color (designation)	Light color LED	Luminous flux per meter	Luminous flux
LF06P2 -W4F-830-P	3000 K	>80	White	White	1250 lm	6380 lm
LF06P2 -W4F-840-P	4000 K	>80	Cool White	White	1400 lm	7140 lm
LF06P2 -W4F-835-P	3500 K	>80	White	White	1350 lm	
LF06P2 -W4F-860-P	6000 K	>80	Daylight	White	1400 lm	7140 lm

Product description	Luminous efficacy
LF06P2 -W4F-830-P	81 lm/W
LF06P2 -W4F-840-P	100 lm/W
LF06P2 -W4F-835-P	96 lm/W
LF06P2 -W4F-860-P	100 lm/W

Light technical data

Product description	Beam angle
LF06P2 -W4F-830-P	120 °
LF06P2 -W4F-840-P	120 °
LF06P2 -W4F-835-P	120 °
LF06P2 -W4F-860-P	120 °

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-835-P	204	40
LF06P2 -W4F-860-P	204	40

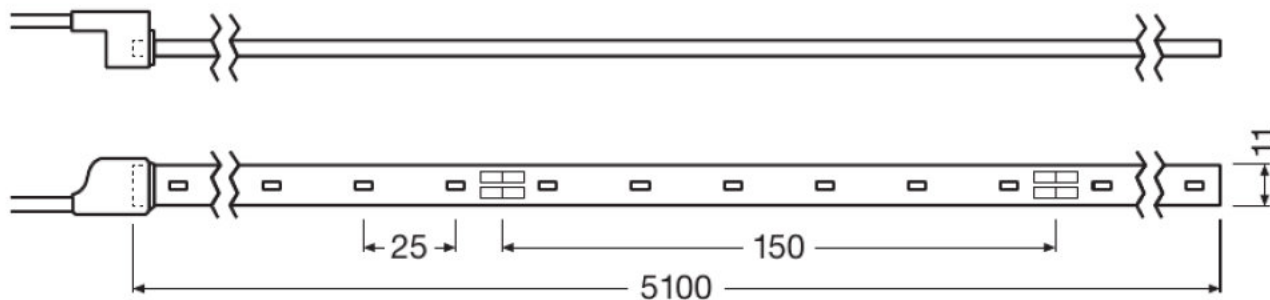
Dimensions & weight

Product description	Length	Length – smallest unit	Width	Height	Product weight
LF06P2 -W4F-830-P	5100 mm	150.0 mm	11.0 mm	3.7 mm	280.00 g
LF06P2 -W4F-840-P	5100 mm	150.0 mm	11.0 mm	3.7 mm	280.00 g
LF06P2 -W4F-835-P	5100 mm	150.0 mm	11.0 mm	3.7 mm	280.00 g
LF06P2 -W4F-860-P	5100 mm	150.0 mm	11.0 mm	3.7 mm	280.00 g

Product description	Cable length
LF06P2 -W4F-830-P	
LF06P2 -W4F-840-P	500.0 mm
LF06P2 -W4F-835-P	500.0 mm
LF06P2 -W4F-860-P	500.0 mm

Product family datasheet

Product line drawing



LF06P2 -W4F-830-P, LF06P2 -W4F-840-P, LF06P2 -W4F-835-P, LF06P2 -W4F-860-P

Temperatures & operating conditions

Product description	Temperature range in operation
LF06P2 -W4F-830-P	-20...50 °C
LF06P2 -W4F-840-P	-20...50 °C
LF06P2 -W4F-835-P	-20...50 °C
LF06P2 -W4F-860-P	-20...50 °C

Lifespan

Product description	Lifespan
LF06P2 -W4F-830-P	50000 h ¹⁾
LF06P2 -W4F-840-P	50000 h ¹⁾
LF06P2 -W4F-835-P	50000 h ¹⁾
LF06P2 -W4F-860-P	50000 h ¹⁾

¹⁾ L70/B50 at 40 °C

Product family datasheet

Capabilities

Product description	Dimmable
LF06P2 -W4F-830-P	Yes
LF06P2 -W4F-840-P	Yes
LF06P2 -W4F-835-P	Yes
LF06P2 -W4F-860-P	Yes

Certificates & standards

Product description	Type of protection	Energy efficiency class
LF06P2 -W4F-830-P	IP67	A+
LF06P2 -W4F-840-P	IP67	A+
LF06P2 -W4F-835-P	IP67	A+
LF06P2 -W4F-860-P	IP67	A+

Product description	Standards
LF06P2 -W4F-830-P	CE/UL
LF06P2 -W4F-840-P	CE/UL
LF06P2 -W4F-835-P	CE/UL
LF06P2 -W4F-860-P	CE/UL

Logistical data

Product description	Temperature range at storage
LF06P2 -W4F-830-P	-40...100 °C
LF06P2 -W4F-840-P	-40...100 °C
LF06P2 -W4F-835-P	-40...100 °C
LF06P2 -W4F-860-P	-40...100 °C

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

Product family datasheet

Sales and Technical Support www.osram.com

Download Data

File
 Product Datasheet 343540_LINEARlight POWER Flex Protect G2 LF06P2-P
 Brochures Light is freedom of design (EN)
 Brochures 496992_Technical application guide LINEARlight Flex Protect (GB)
 Certificates UL Certificate
 Declarations of conformity 637159_Man-DoC LF06P2-W4F-xxx-P (GB)
 Declarations of conformity 501693_EC-DoC LF06P2-W4F-8XX-P
 Eulumdat 343814_LINEARlight POWER Flex Protect G2 - LF06P2-W4F-830-P
 Eulumdat 343813_LINEARlight POWER Flex Protect G2 - LF06P2-W4F-840-P

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899400030	LF06P2 -W4F-830-P	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	6458.00 g
4052899372795	LF06P2 -W4F-840-P	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	6079.00 g
4052899372771	LF06P2 -W4F-835-P	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	6458.00 g
4052899372818	LF06P2 -W4F-860-P	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	6458.00 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
LF06P2 -W4F-830-P	LINEARlight FLEX, -2100	▶ 4008321978998
LF06P2 -W4F-830-P	LINEARlight FLEX Protect, -ENDCAP IP67 LP	▶ 4052899902572
		▶ 4008321978998

Product family datasheet

LF06P2 -W4F-840-P	LINEARlight FLEX, -2100	
LF06P2 -W4F-840-P	LINEARlight FLEX Protect, -ENDCAP IP67 LP	▶ 4052899902572

Disclaimer

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