

LINEARlight POWER Flex

Flexible LED modules for professional and industrial applications



Areas of application

- Cove lighting
- Signage
- Advertising and lettering

Product benefits

- High luminous flux
- Great design freedom thanks to flexibility and cuttability of module
- Simple mounting and connection
- 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 1,850 lm/m
- Module efficacy: up to 82 lm/W
- Dimmable
- Fine White (3 SDCM)



For more information please contact

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info@lightmoves.com.au
138-146 Browns Rd, Noble Park VIC 3174

Technical data

Electrical data

Product description	Nominal voltage	Nominal current	Rated wattage	Reverse Voltage
LF06P2 -W5F-827	24.00 V	2.80 A	68.00 W	25 V
LF06P2 -W5F-830	24.00 V	2.80 A	68.00 W	25 V
LF06P2 -W5F-840	24.00 V	2.80 A	68.00 W	25 V
LF06P2 -W5F-850	24.00 V	2.80 A	68.00 W	25 V
LF06P2 -W5F-865	24.00 V	2.80 A	68.00 W	25 V

Product description	Type of current	Voltage range	Energy consumption
LF06P2 -W5F-827	DC	23...25 V	4 kWh/1000h
LF06P2 -W5F-830	DC	23...25 V	4 kWh/1000h
LF06P2 -W5F-840	DC	23...25 V	4 kWh/1000h
LF06P2 -W5F-850	DC	23...25 V	4 kWh/1000h
LF06P2 -W5F-865	DC	23...25 V	4 kWh/1000h

Light technical data

Product description	Color temperature	Color rendering index Ra	Light color as per EN 12464-1	Light color LED
LF06P2 -W5F-827	2700 K	>80	Warm White	white
LF06P2 -W5F-830	3000 K	>80	Warm White	white
LF06P2 -W5F-840	4000 K	>80	Cool White	white
LF06P2 -W5F-850	5000 K	>80	Cool White	white
LF06P2 -W5F-865	6500 K	>80	Daylight	white

Product description	Luminous flux per meter	Luminous flux	Luminous efficacy	Beam angle
LF06P2 -W5F-827	1600 lm	4792 lm	70 lm/W	120 °
LF06P2 -W5F-830	1720 lm	5168 lm	76 lm/W	120 °
LF06P2 -W5F-840	1850 lm	5544 lm	82 lm/W	120 °
LF06P2 -W5F-850	1850 lm	5544 lm	82 lm/W	120 °
LF06P2 -W5F-865	1850 lm	5544 lm	82 lm/W	120 °

LED module information

Product description	Number of LEDs per module	Number of LEDs per meter
LF06P2 -W5F-827	120	40
LF06P2 -W5F-830	120	40

Product family datasheet

Product description	Number of LEDs per module	Number of LEDs per meter
LF06P2 -W5F-840	120	40
LF06P2 -W5F-850	120	40
LF06P2 -W5F-865	120	40

Dimensions & weight

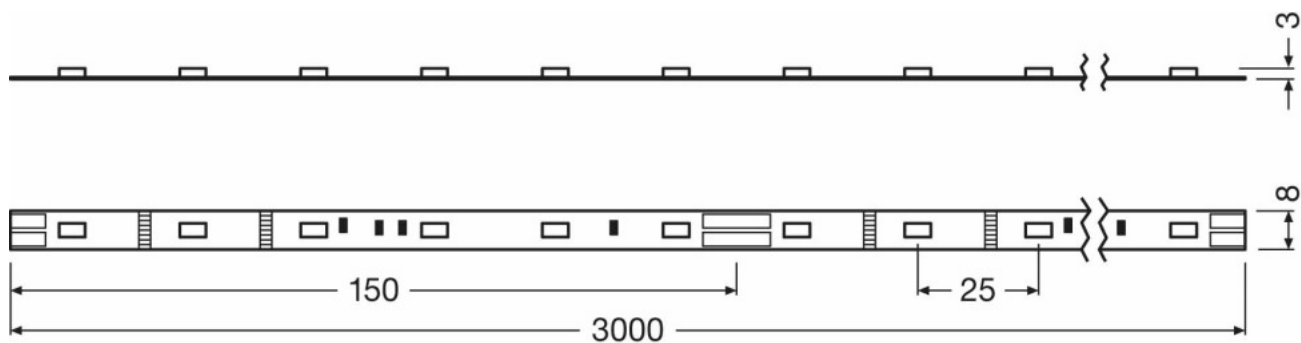
Product description	Length	Length – smallest unit	Width	Height
LF06P2 -W5F-827	3000.0 mm ¹⁾	150.0 mm	8.0 mm	2.5 mm
LF06P2 -W5F-830	3000.0 mm ¹⁾	150.0 mm	8.0 mm	2.5 mm
LF06P2 -W5F-840	3000.0 mm ¹⁾	150.0 mm	8.0 mm	2.5 mm
LF06P2 -W5F-850	3000.0 mm ¹⁾	150.0 mm	8.0 mm	2.5 mm
LF06P2 -W5F-865	3000.0 mm ¹⁾	150.0 mm	8.0 mm	2.5 mm

Product description	Product weight
LF06P2 -W5F-827	31.00 g
LF06P2 -W5F-830	31.00 g
LF06P2 -W5F-840	31.00 g
LF06P2 -W5F-850	31.00 g
LF06P2 -W5F-865	31.00 g

¹⁾ LED pitch 25 mm

Product line drawing

Product family datasheet



Product line drawing

LF06P2 -W5F-827 | LF06P2 -W5F-830 | LF06P2 -W5F-840 | LF06P2 -W5F-850 | LF06P2 -W5F-865

Temperatures

Product description	Temperature range in operation	Temperature range at storage
LF06P2 -W5F-827	-20...75 °C ¹⁾	-20...80 °C
LF06P2 -W5F-830	-20...75 °C ¹⁾	-20...80 °C
LF06P2 -W5F-840	-20...75 °C ¹⁾	-20...80 °C
LF06P2 -W5F-850	-20...75 °C ¹⁾	-20...80 °C
LF06P2 -W5F-865	-20...75 °C ¹⁾	-20...80 °C

¹⁾ At the T_c point

Lifespan

Product description	Lifespan
LF06P2 -W5F-827	50000 h ¹⁾
LF06P2 -W5F-830	50000 h ¹⁾
LF06P2 -W5F-840	50000 h ¹⁾
LF06P2 -W5F-850	50000 h ¹⁾
LF06P2 -W5F-865	50000 h ¹⁾

¹⁾ At $T_a < 40$ °C

Product family datasheet

Capabilities

Product description	Dimmable
LF06P2 -W5F-827	Yes
LF06P2 -W5F-830	Yes
LF06P2 -W5F-840	Yes
LF06P2 -W5F-850	Yes
LF06P2 -W5F-865	Yes

Certificates & standards

Product description	Energy efficiency class
LF06P2 -W5F-827	A+ ¹⁾
LF06P2 -W5F-830	A+ ¹⁾
LF06P2 -W5F-840	A+ ¹⁾
LF06P2 -W5F-850	A+ ¹⁾
LF06P2 -W5F-865	A+ ¹⁾

¹⁾ Applicable on smallest operable unit

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 number	STK number	UK Org
LF06P2-W5F-827	4008321971272	-	7500177	4030058	-
LF06P2-W5F-830	4008321971296	-	7500178	4030059	-
LF06P2-W5F-840	4008321971319	-	7500179	4030060	-
LF06P2-W5F-850	4008321971791	-	7500180	4030061	-

Product family datasheet

LF06P2-W5F-865	4008321971333	-	7500181	-	-
LF06P2-W5F-865	4008321971333	-	-	4030062	-

Download Data

File	
	Addon Technical Information BinningSheet - LF06P2
	Product Datasheet LF06P2 Datenblatt
	Product Datasheet LF06P2 data sheet
	Declarations of conformity EC-DoC LF06P2-W5F-8xx-LINEARlight Power
	Declarations of conformity Man-DoC LF06P2-W5F-8xx-LINEARlight Power
	Eulumdat LINEARLIGHT POWER FLEX LF06P2-W5F-827
	Product movie Spots LINEARlight Flex Quality long QTh264 3500kbit 1024x576 (E)
	Product movie Spots LINEARlight Flex Quality short QTh264 3500kbit 1024x576 (E)
	Brochures FLEXIBLE LED MODULES
	Eulumdat LINEARLIGHT POWER FLEX LF06P2-W5F-830
	Eulumdat LINEARLIGHT POWER FLEX LF06P2-W5F-840
	Eulumdat LINEARLIGHT POWER FLEX LF06P2-W5F-854
	Eulumdat LINEARLIGHT POWER FLEX LF06P2-W5F-865

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Volume	Gross weight
4008321971272	LF06P2 -W5F-827	Shipping carton box 8	205 mm x 171 mm x 241 mm	8.45 dm ³	1159.20 g
4008321971296	LF06P2 -W5F-830	Shipping carton box 8	205 mm x 195 mm x 241 mm	9.63 dm ³	1417.00 g

Product family datasheet

4008321971319	LF06P2 -W5F-840	Shipping carton box 8	205 mm x 195 mm x 241 mm	9.63 dm ³	1417.00 g
4008321971791	LF06P2 -W5F-850	Shipping carton box 8	205 mm x 195 mm x 241 mm	9.63 dm ³	1417.00 g
4008321971333	LF06P2 -W5F-865	Shipping carton box 8	205 mm x 195 mm x 241 mm	9.63 dm ³	1417.00 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.

Disclaimer

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

For more information please contact

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