

LINEARlight FLEX Protect ADVANCED

Flexible LED modules for professional and industrial applications



Areas of application

- Cove lighting
- Wall integration
- Hand rails and corridors
- Machine lighting
- Path lighting
- Signage
- Suitable for outdoor use

Product benefits

- Very long for seamless bands of light
- 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 390 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	Type of current
LF06A -W3F-830-P	24.0 V	2.1 A	50.00 W	5.0 W	DC
LF06A -W3F-840-P	24.0 V	2.1 A	50.00 W	5.0 W	DC
LF06A -W3F-870-P	24.0 V	2.1 A	50.00 W	5.0 W	DC
LF05A -B3-P	24.0 V		72.00 W	7.3 W	DC

Product description	Reverse Voltage	Input voltage range
LF06A -W3F-830-P		
LF06A -W3F-840-P		
LF06A -W3F-870-P		
LF05A -B3-P	25 V	23...25 V

Photometrical data

Product description	Color temperature	Color rendering index Ra	Light color LED	Nominal dominant wavelength	Luminous flux per meter	Luminous flux
LF06A -W3F-830-P	3000 K	>80	White	-	350 lm	3500 lm
LF06A -W3F-840-P	4000 K	>80	White	-	390 lm	3900 lm
LF06A -W3F-870-P	7000 K	>80	White	-	390 lm	3900 lm
LF05A -B3-P		-	Blue	467 nm	85 lm	840 lm

Product description	Luminous efficacy	Light color (designation)
LF06A -W3F-830-P	70 lm/W	
LF06A -W3F-840-P	78 lm/W	
LF06A -W3F-870-P	78 lm/W	
LF05A -B3-P		Blue

Light technical data

Product description	Beam angle
LF06A -W3F-830-P	120 °
LF06A -W3F-840-P	120 °
LF06A -W3F-870-P	120 °
LF05A -B3-P	120 °

Product family datasheet

LED module information

Product description	Number of LEDs per module	Number of LEDs per meter	Number of LEDs per smallest unit
LF06A -W3F-830-P	600	60	6
LF06A -W3F-840-P	600	60	6
LF06A -W3F-870-P	600	60	6
LF05A -B3-P	495	50	5

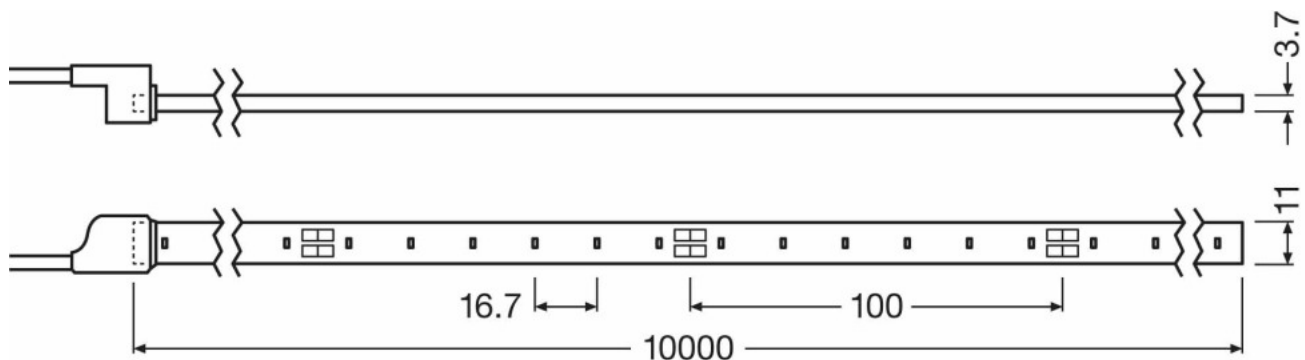
Dimensions & weight

Product description	Length	Width	Height	Cable length	Product weight	Length – smallest unit
LF06A -W3F-830-P	10000 mm	11.0 mm	3.7 mm	500.0 mm	530.00 g	
LF06A -W3F-840-P	10000 mm	11.0 mm	3.7 mm	500.0 mm	530.00 g	
LF06A -W3F-870-P	10000 mm	11.0 mm	3.7 mm	500.0 mm	530.00 g	
LF05A -B3-P	9900 mm ¹⁾	11.0 mm	4.5 mm	500.0 mm	800.00 g	100.0 mm

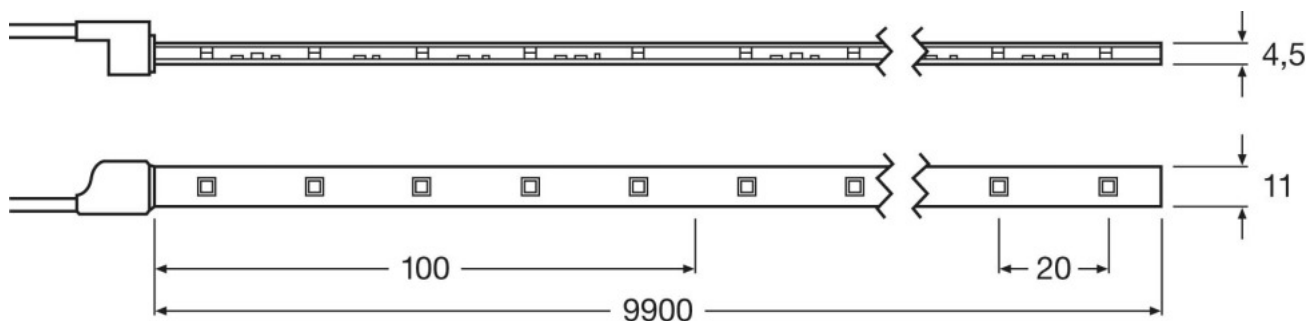
¹⁾ LED pitch 20 mm

Product family datasheet

Product line drawing



LF06A -W3F-830-P, LF06A -W3F-840-P, LF06A -W3F-870-P



LF05A -B3-P

Product family datasheet

Lifespan

Product description	Lifespan
LF06A -W3F-830-P	50000 h ¹⁾
LF06A -W3F-840-P	50000 h ¹⁾
LF06A -W3F-870-P	50000 h ¹⁾
LF05A -B3-P	50000 h ¹⁾

¹⁾ L70/B50 at Tc 40 °C

Capabilities

Product description	Dimmable
LF06A -W3F-830-P	Yes
LF06A -W3F-840-P	Yes
LF06A -W3F-870-P	Yes
LF05A -B3-P	Yes ¹⁾

¹⁾ PWM

Certificates & standards

Product description	Energy consumption	Type of protection	Energy efficiency class
LF06A -W3F-830-P	1 kWh/1000h	IP67	A++ ¹⁾
LF06A -W3F-840-P	1 kWh/1000h	IP67	A++ ¹⁾
LF06A -W3F-870-P	1 kWh/1000h	IP67	A++ ¹⁾
LF05A -B3-P		IP67	

Product description	Standards
LF06A -W3F-830-P	CE/UL
LF06A -W3F-840-P	CE/UL
LF06A -W3F-870-P	CE/UL
LF05A -B3-P	Acc. to EN 60598-1

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.

Product family 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
LF06A-W3F-830-P	4008321789983	-	7500288	4030319	-
LF06A-W3F-840-P	4008321790125	-	7500289	4030320	-
LF06A-W3F-870-P	4008321790149	-	-	4030321	-
LF05A-B3-P	4008321617804	OSRLF05AB3P	8334147	4031362	-

Download Data

File	
	Product Datasheet LINEARlight Flex Protect ADVANCED G2 LF06A-P
	Product Family Datasheet BinningSheet - LF06A-P
	Brochures FLEXIBLE LED MODULES
	Brochures Technical application guide LINEARlight Flex Protect (GB)
	Declarations of conformity EC-DoC LF06A-P
	Declarations of conformity Manufacturers_DoC LF06A-P
	Product movie Spots LINEARlight Flex Quality long QTh264 3500kbit 1024x576 (E)
	Product movie Spots LINEARlight Flex Quality short QTh264 3500kbit 1024x576 (E)
	Eulumdat LINEARlight Flex Protect ADVANCED G2 - LF06A-W3F-840-P
	Eulumdat LINEARlight Flex Protect ADVANCED G2 - LF06A-W3F-870-P
	Product Datasheet LINEARlight Flex Protect LF05A-P (data sheet)
	Declarations of conformity EC-DoC LF05A-E-P
	Eulumdat LINEARlight Flex Protect LF05A-B3-P

Logistical Data

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321789983	LF06A -W3F-830-P	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	8394.00 g
4008321790125	LF06A -W3F-840-P	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	8458.00 g
4008321790149	LF06A -W3F-870-P	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	8458.00 g
4008321617804	LF05A -B3-P	Shipping carton box 8	366 mm x 380 mm x 286 mm	39.78 dm ³	8971.00 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.