

LINEARlight FLEX ShortPitch

Flexible LED modules for professional and industrial applications



Areas of application

- Edge coupling
- Small coving
- Path lighting
- Contour accent lighting
- Signage
- Advertising and lettering

Product benefits

- Very small LED spacing
- 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 850 lm/m
- Module efficacy: up to 88 lm/W
- Dimmable
- Fine White



Product family datasheet

Technical data

Electrical data

Product description	Nominal voltage	Nominal current	Rated wattage	Reverse Voltage	Type of current
LF06S -W3F-827	24.0 V	2.4 A	58.00 W	25 V	DC
LF06S -W3F-830	24.0 V	2.4 A	58.00 W	25 V	DC
LF06S -W3F-840	24.0 V	2.4 A	58.00 W	25 V	DC
LF06S -W3F-850	24.0 V	2.4 A	58.00 W	25 V	DC
LF06S -W3F-865	24.0 V	2.4 A	58.00 W	25 V	DC

Product description	Input voltage range
LF06S -W3F-827	23...25 V
LF06S -W3F-830	23...25 V
LF06S -W3F-840	23...25 V
LF06S -W3F-850	23...25 V
LF06S -W3F-865	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
LF06S -W3F-827	2700 K	>80	Warm White	White	780 lm	4680 lm
LF06S -W3F-830	3000 K	>80	Warm White	White	780 lm	4680 lm
LF06S -W3F-840	4000 K	>80	Cool White	White	850 lm	5076 lm
LF06S -W3F-850	5000 K	>80	Daylight	White	850 lm	5076 lm
LF06S -W3F-865	6500 K	>80	Daylight	White	850 lm	5076 lm

Product description	Luminous efficacy
LF06S -W3F-827	81 lm/W
LF06S -W3F-830	81 lm/W
LF06S -W3F-840	88 lm/W
LF06S -W3F-850	88 lm/W
LF06S -W3F-865	88 lm/W

Product family datasheet

Light technical data

Product description	Beam angle
LF06S -W3F-827	120 °
LF06S -W3F-830	120 °
LF06S -W3F-840	120 °
LF06S -W3F-850	120 °
LF06S -W3F-865	120 °

LED module information

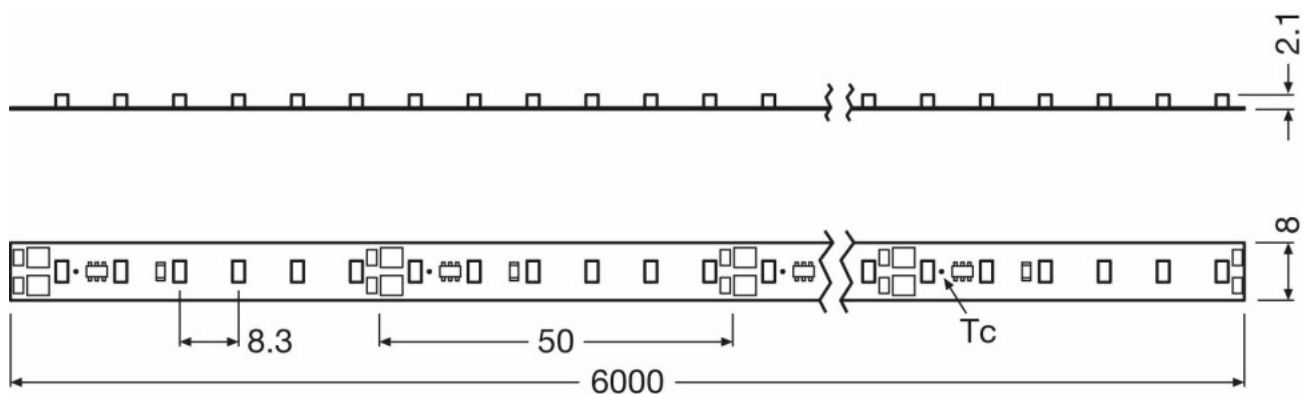
Product description	Number of LEDs per module	Number of LEDs per meter
LF06S -W3F-827	720	120
LF06S -W3F-830	720	120
LF06S -W3F-840	720	120
LF06S -W3F-850	720	120
LF06S -W3F-865	720	120

Dimensions & weight

Product description	Length	Width	Height	Product weight
LF06S -W3F-827	6000 mm	8.0 mm	2.1 mm	116.00 g
LF06S -W3F-830	6000 mm	8.0 mm	2.1 mm	116.00 g
LF06S -W3F-840	6000 mm	8.0 mm	2.1 mm	116.00 g
LF06S -W3F-850	6000 mm	8.0 mm	2.1 mm	116.00 g
LF06S -W3F-865	6000 mm	8.0 mm	2.1 mm	50.00 g

Product family datasheet

Product line drawing



LF06S -W3F-827, LF06S -W3F-830, LF06S -W3F-840, LF06S -W3F-850, LF06S -W3F-865

Temperatures

Product description	Temperature range in operation	Temperature range at storage
LF06S -W3F-827	-30...75 °C ¹⁾	-40...85 °C
LF06S -W3F-830	-30...75 °C ¹⁾	-40...85 °C
LF06S -W3F-840	-30...75 °C ¹⁾	-40...85 °C
LF06S -W3F-850	-30...75 °C ¹⁾	-40...85 °C
LF06S -W3F-865	-30...75 °C ¹⁾	-40...85 °C

¹⁾ At the T_c point

Lifespan

Product description	Lifespan
LF06S -W3F-827	50000 h ¹⁾
LF06S -W3F-830	50000 h ¹⁾
LF06S -W3F-840	50000 h ¹⁾
LF06S -W3F-850	50000 h ¹⁾
LF06S -W3F-865	50000 h ¹⁾

¹⁾ L70/B50 at T_c 40 °C

Product family datasheet

Capabilities

Product description	Dimmable
LF06S -W3F-827	Yes
LF06S -W3F-830	Yes
LF06S -W3F-840	Yes
LF06S -W3F-850	Yes
LF06S -W3F-865	Yes

Certificates & standards

Product description	Energy consumption	Energy efficiency class
LF06S -W3F-827	1 kWh/1000h	A++ ¹⁾
LF06S -W3F-830	1 kWh/1000h	A++ ¹⁾
LF06S -W3F-840	1 kWh/1000h	A++ ¹⁾
LF06S -W3F-850	1 kWh/1000h	A++ ¹⁾
LF06S -W3F-865	1 kWh/1000h	A++ ¹⁾

Product description	Standards
LF06S -W3F-827	CE/UL/ENEC/VDE
LF06S -W3F-830	CE/UL/ENEC/VDE
LF06S -W3F-840	CE/UL/ENEC/VDE
LF06S -W3F-850	CE/UL/ENEC/VDE
LF06S -W3F-865	CE/UL/ENEC/VDE

¹⁾ Applicable on smallest operable unit

Logistical data

Product description	Temperature range at storage
LF06S -W3F-827	-40...85 °C
LF06S -W3F-830	-40...85 °C
LF06S -W3F-840	-40...85 °C
LF06S -W3F-850	-40...85 °C
LF06S -W3F-865	-40...85 °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

Product family datasheet

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
LF06S-W3F-827	4008321973887	-	7500252	4030063	-
LF06S-W3F-830	4008321973894	-	7500253	4030064	-
LF06S-W3F-840	4008321973900	-	7500254	4030065	-
LF06S-W3F-850	4008321973917	-	7500255	4030066	-
LF06S-W3F-865	4008321973924	-	7500256	4030067	-

Download Data

File	
	Addon Technical Information BinningSheet - LF06S
	Product Datasheet LINEARlight Flex Short Pitch - LF06S (GB)
	Product Datasheet LF06S data sheet
	Brochures FLEXIBLE LED MODULES
	Brochures Light is freedom of design (GB)
	Declarations of conformity EC-DoC LF06S LINEARlight
	Declarations of conformity EC_Man-DoC LF06S LINEARlight
	Product movie Spots LINEARlight Flex Quality long QTh264 3500kbit 1024x576 (E)
	Product movie Spots LINEARlight Flex Quality short QTh264 3500kbit 1024x576 (E)
	Product Datasheet LF06S Datenblatt

Logistical Data

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321973887	LF06S -W3F-827	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1546.75 g
4008321973894	LF06S -W3F-830	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1679.50 g
4008321973900	LF06S -W3F-840	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1672.00 g
4008321973917	LF06S -W3F-850	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	2097.00 g
4008321973924	LF06S -W3F-865	Shipping carton box 8	241 mm x 136 mm x 205 mm	6.72 dm ³	972.00 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.