

LINEARlight FLEX ShortPitch

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 SLIMCONNECTsystem G2
- 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 99 lm/W
- Dimmable
- Fine White



Product family datasheet

Technical data

Electrical data

Product description	Nominal voltage	Nominal current	Rated wattage	Type of current	Reverse Voltage	Input voltage range
LF06S -W3F-824	24.0 V	2.2 A	49.00 W	DC		
LF06S -W3F-827	24.0 V	2.4 A	58.00 W	DC	25 V	23...25 V
LF06S -W3F-830	24.0 V	2.4 A	58.00 W	DC	25 V	23...25 V
LF06S -W3F-840	24.0 V	2.4 A	58.00 W	DC	25 V	23...25 V
LF06S -W3F-850	24.0 V	2.4 A	58.00 W	DC	25 V	23...25 V
LF06S -W3F-865	24.0 V	2.4 A	58.00 W	DC	25 V	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-824	2400 K	>80				
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	6000 K	>80	Daylight	White	850 lm	5076 lm

Product description	Luminous efficacy
LF06S -W3F-824	
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

Light technical data

Product description	Beam angle
LF06S -W3F-824	120 °
LF06S -W3F-827	120 °
LF06S -W3F-830	120 °
LF06S -W3F-840	120 °
LF06S -W3F-850	120 °
LF06S -W3F-865	120 °

Product family datasheet

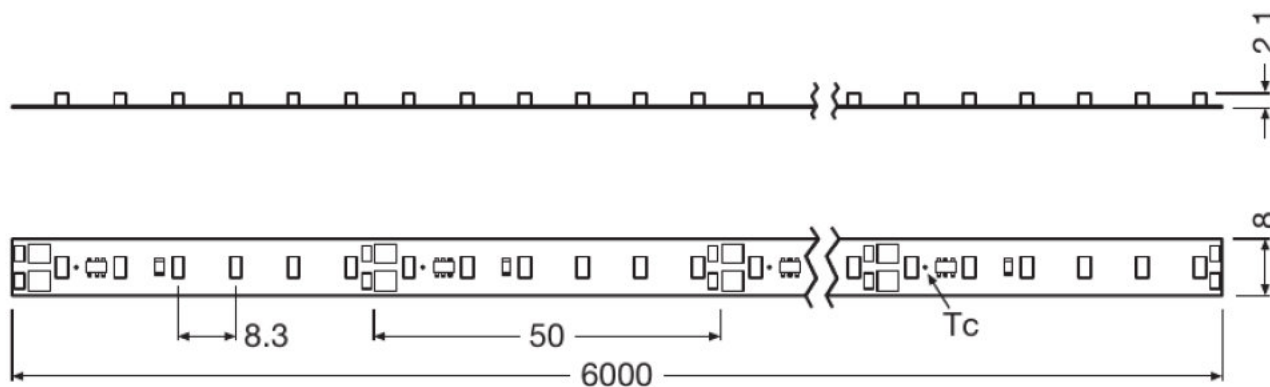
LED module information

Product description	Number of LEDs per module	Number of LEDs per meter
LF06S -W3F-824	720	120
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	Length – smallest unit	Width	Product weight	Height
LF06S -W3F-824	6000 mm	50.0 mm	8.0 mm	116.00 g	
LF06S -W3F-827	6000 mm	50.0 mm	8.0 mm	50.00 g	2.1 mm
LF06S -W3F-830	6000 mm	50.0 mm	8.0 mm	50.00 g	2.1 mm
LF06S -W3F-840	6000 mm	50.0 mm	8.0 mm	50.00 g	2.1 mm
LF06S -W3F-850	6000 mm	50.0 mm	8.0 mm	50.00 g	2.1 mm
LF06S -W3F-865	6000 mm	50.0 mm	8.0 mm	50.00 g	2.1 mm

Product line drawing



LF06S -W3F-824, LF06S -W3F-827, LF06S -W3F-830, LF06S -W3F-840, LF06S -W3F-850, LF06S -W3F-865

Product family datasheet

Lifespan

Product description	Lifespan
LF06S -W3F-824	50000 h ¹⁾
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

Capabilities

Product description	Dimmable
LF06S -W3F-824	
LF06S -W3F-827	Yes
LF06S -W3F-830	Yes
LF06S -W3F-840	Yes
LF06S -W3F-850	Yes
LF06S -W3F-865	Yes

Certificates & standards

Product description	Standards	Energy consumption
LF06S -W3F-824	CE/UL/ENEC/VDE	
LF06S -W3F-827	CE/UL/ENEC/VDE	1 kWh/1000h
LF06S -W3F-830	CE/UL/ENEC/VDE	1 kWh/1000h
LF06S -W3F-840	CE/UL/ENEC/VDE	1 kWh/1000h
LF06S -W3F-850	CE/UL/ENEC/VDE	1 kWh/1000h
LF06S -W3F-865	CE/UL/ENEC/VDE	1 kWh/1000h

Product description	Energy efficiency class
LF06S -W3F-824	
LF06S -W3F-827	A++ ¹⁾
LF06S -W3F-830	A++ ¹⁾
LF06S -W3F-840	A++ ¹⁾
LF06S -W3F-850	A++ ¹⁾
LF06S -W3F-865	A++ ¹⁾

¹⁾ Applicable on smallest operable unit

Equipment / Accessories

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Product family datasheet

- Simplified connection with optional matching SLIMCONNECTsystem G2
- 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-No.	STK number	UK Org
LF06S -W3F-827	4008321973887	-	-	4030063	-
LF06S -W3F-830	4008321973894	-	-	4030064	-
LF06S -W3F-840	4008321973900	-	-	4030065	-
LF06S -W3F-850	4008321973917	-	-	4030066	-
LF06S -W3F-865	4008321973924	-	-	4030067	-

Download Data

File	
	Product Family Datasheet 707501_Technical Datasheet LF06S
	Addon Technical Information 685719_BinningSheet - LF06S
	Product Datasheet 333412_LINEARlight Flex Short Pitch - LF06S (GB)
	Brochures 683082_Light is FLEXible - Book of inspiration (GB)
	Declarations of conformity 485805_EC-DoC LF06S LINEARlight
	Declarations of conformity 485812_EC_Man-DoC LF06S LINEARlight
	Eulumdat 651650_LF 780 827 6000 24 G1_Eulumdat
	Eulumdat 651651_LF 780 830 6000 24 G1_Eulumdat
	Eulumdat 651652_LF 850 840 6000 24 G1_Eulumdat

Product family datasheet



Eulumdat
651653_LF 850 850 6000 24 G1_Eulumdat



Eulumdat
651654_LF 850 865 6000 24 G1_Eulumdat

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899942776	LF06S -W3F-824	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	2101.00 g
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.

Accessories Optional

Product description	Accessory name	Accessory code
LF06S -W3F-827	LINEARlight FLEX, -2PIN FLEX	▶ 4008321955470
LF06S -W3F-827	LINEARlight FLEX, -CONN-10 FLEX	▶ 4008321955487
LF06S -W3F-827	LINEARlight FLEX, -CONN-150 FLEX	▶ 4008321955494
LF06S -W3F-827	LINEARlight FLEX, -2100	▶ 4008321978998
LF06S -W3F-827	LINEARlight Colormix Flex, -WIRE-30 FLEX SC	▶ 4008321875594
LF06S -W3F-827	LINEARlight Colormix Flex, -WIRE-150 FLEX SC	▶ 4008321875570
LF06S -W3F-830	LINEARlight FLEX, -2PIN FLEX	▶ 4008321955470
LF06S -W3F-830	LINEARlight FLEX, -CONN-10 FLEX	▶ 4008321955487
LF06S -W3F-830	LINEARlight FLEX, -CONN-150 FLEX	▶ 4008321955494
LF06S -W3F-830	LINEARlight FLEX, -2100	▶ 4008321978998
LF06S -W3F-830	LINEARlight Colormix Flex, -WIRE-30 FLEX SC	▶ 4008321875594
LF06S -W3F-830	LINEARlight Colormix Flex, -WIRE-150 FLEX SC	▶ 4008321875570
LF06S -W3F-840	LINEARlight FLEX, -2PIN FLEX	▶ 4008321955470
LF06S -W3F-840	LINEARlight FLEX, -CONN-10 FLEX	▶ 4008321955487

Product family datasheet

LF06S -W3F-840	LINEARlight FLEX, -CONN-150 FLEX	4008321955494
LF06S -W3F-840	LINEARlight FLEX, -2100	▶ 4008321978998
LF06S -W3F-840	LINEARlight Colormix Flex, -WIRE-30 FLEX SC	▶ 4008321875594
LF06S -W3F-840	LINEARlight Colormix Flex, -WIRE-150 FLEX SC	▶ 4008321875570
LF06S -W3F-850	LINEARlight FLEX, -2PIN FLEX	▶ 4008321955470
LF06S -W3F-850	LINEARlight FLEX, -CONN-10 FLEX	▶ 4008321955487
LF06S -W3F-850	LINEARlight FLEX, -CONN-150 FLEX	▶ 4008321955494
LF06S -W3F-850	LINEARlight FLEX, -2100	▶ 4008321978998
LF06S -W3F-850	LINEARlight Colormix Flex, -WIRE-30 FLEX SC	▶ 4008321875594
LF06S -W3F-850	LINEARlight Colormix Flex, -WIRE-150 FLEX SC	▶ 4008321875570
LF06S -W3F-865	LINEARlight FLEX, -2PIN FLEX	▶ 4008321955470
LF06S -W3F-865	LINEARlight FLEX, -CONN-10 FLEX	▶ 4008321955487
LF06S -W3F-865	LINEARlight FLEX, -CONN-150 FLEX	▶ 4008321955494
LF06S -W3F-865	LINEARlight FLEX, -2100	▶ 4008321978998
LF06S -W3F-865	LINEARlight Colormix Flex, -WIRE-30 FLEX SC	▶ 4008321875594
LF06S -W3F-865	LINEARlight Colormix Flex, -WIRE-150 FLEX SC	▶ 4008321875570

Disclaimer

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