
LINEARlight FLEX ADVANCED

Flexible LED modules for professional and industrial applications



Areas of application

- Cove lighting
- Signage
- Advertising and lettering

Product benefits

- Very long for seamless bands of light
- Large selection of light colors
- 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 425 lm/m
- Module efficacy: up to 88 lm/W
- Dimmable
- Fine White (3 SDCM)



Product family datasheet

Technical data

Electrical data

Product description	Nominal voltage	Nominal current	Rated wattage	Reverse Voltage	Type of current
LF06A -W3F-827	24.00 V	2 A	48.00 W	25 V	DC
LF06A -W3F-830	24.00 V	2 A	48.00 W	25 V	DC
LF06A -W3F-840	24.00 V	2 A	48.00 W	25 V	DC
LF06A -W3F-850	24.00 V	2 A	48.00 W	25 V	DC
LF06A -W3F-865	24.00 V	2 A	48.00 W	25 V	DC
LF05A -B3	24.00 V		72.00 W		DC
LF05A2 -O3	24.00 V	0.00345 A	83.00 W		DC
LF05A2 -T3	24.00 V	0.00204 A	49.00 W		DC
LF05A2 -Y3	24.00 V	0.00345 A	83.00 W		DC
LF05A2 -B3	24.00 V	3 A	72.00 W		DC
LF05A2 -R3	24.00 V	3.45 A	83.00 W		DC

Product description	Voltage range
LF06A -W3F-827	23...25 V
LF06A -W3F-830	23...25 V
LF06A -W3F-840	23...25 V
LF06A -W3F-850	23...25 V
LF06A -W3F-865	23...25 V
LF05A -B3	23...25 V
LF05A2 -O3	23...25 V
LF05A2 -T3	23...25 V
LF05A2 -Y3	23...25 V
LF05A2 -B3	
LF05A2 -R3	23...25 V

Photometrical data

Product description	Color temperature	Color rendering index Ra	Light color as per EN 12464-1	Light color LED	Nominal dominant wavelength	Luminous flux per meter
LF06A -W3F-827	2700 K	>80	Warm White	White	-	390 lm
LF06A -W3F-830	3000 K	>80	Warm White	white	-	390 lm
LF06A -W3F-840	4000 K	>80	Cool White	white	-	425 lm
LF06A -W3F-850	5000 K	>80	Daylight	white	-	425 lm
LF06A -W3F-865	6500 K	>80	Daylight	white		425 lm
LF05A -B3		-	Blue	blue	467 nm	70 lm
LF05A2 -O3		-	Orange	Orange	602 nm	135 lm
LF05A2 -T3		-	Green	Green	525 nm	165 lm
LF05A2 -Y3		-	Yellow	Yellow	587 nm	110 lm
LF05A2 -B3		-				
LF05A2 -R3		-	Red	Red	625 nm	110 lm

Product family datasheet

Product description	Luminous flux	Luminous efficacy
LF06A -W3F-827	3900 lm	81 lm/W
LF06A -W3F-830	3900 lm	81 lm/W
LF06A -W3F-840	4230 lm	88 lm/W
LF06A -W3F-850	4230 lm	88 lm/W
LF06A -W3F-865	4230 lm	88 lm/W
LF05A -B3	710 lm	
LF05A2 -O3	1350 lm	
LF05A2 -T3	1650 lm	
LF05A2 -Y3	1100 lm	
LF05A2 -B3		
LF05A2 -R3	1100 lm	

Light technical data

Product description	Beam angle
LF06A -W3F-827	120 °
LF06A -W3F-830	120 °
LF06A -W3F-840	120 °
LF06A -W3F-850	120 °
LF06A -W3F-865	120 °
LF05A -B3	120 °
LF05A2 -O3	120 °
LF05A2 -T3	120 °
LF05A2 -Y3	120 °
LF05A2 -B3	120 °
LF05A2 -R3	120 °

LED module information

Product description	Number of LEDs per module	Number of LEDs per meter
LF06A -W3F-827	600	60
LF06A -W3F-830	600	60
LF06A -W3F-840	600	60
LF06A -W3F-850	600	60
LF06A -W3F-865	600	60
LF05A -B3	500	50
LF05A2 -O3	500	50
LF05A2 -T3	500	50
LF05A2 -Y3	500	50
LF05A2 -B3	500	50
LF05A2 -R3	500	50

Product family datasheet

Dimensions & weight

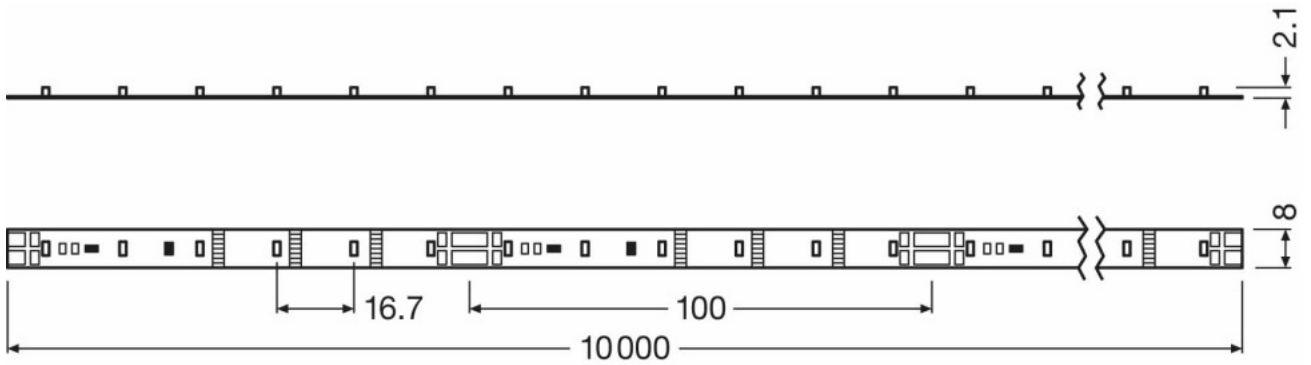
Product description	Length	Length – smallest unit	Width	Height	Product weight
LF06A -W3F-827	10000.0 mm ¹⁾	100.0 mm	8.0 mm	2.1 mm	132.00 g
LF06A -W3F-830	10000.0 mm ¹⁾	100.0 mm	8.0 mm	2.1 mm	132.00 g
LF06A -W3F-840	10000.0 mm ¹⁾	100.0 mm	8.0 mm	2.1 mm	132.00 g
LF06A -W3F-850	10000.0 mm ¹⁾	100.0 mm	8.0 mm	2.1 mm	132.00 g
LF06A -W3F-865	10000.0 mm ¹⁾	100.0 mm	8.0 mm	2.1 mm	132.00 g
LF05A -B3	10000.0 mm ²⁾	100.0 mm	8.0 mm	2.5 mm	125.00 g
LF05A2 -O3	10000.0 mm	100.0 mm	8.0 mm	2.4 mm	125.00 g
LF05A2 -T3	10000.0 mm	100.0 mm	8.0 mm	2.4 mm	125.00 g
LF05A2 -Y3	10000.0 mm	100.0 mm	8.0 mm	2.4 mm	125.00 g
LF05A2 -B3	10000.0 mm	100.0 mm	8.0 mm	2.4 mm	125.00 g
LF05A2 -R3	10000.0 mm	100.0 mm	8.0 mm	2.4 mm	125.00 g

¹⁾ LED pitch 16.7 mm

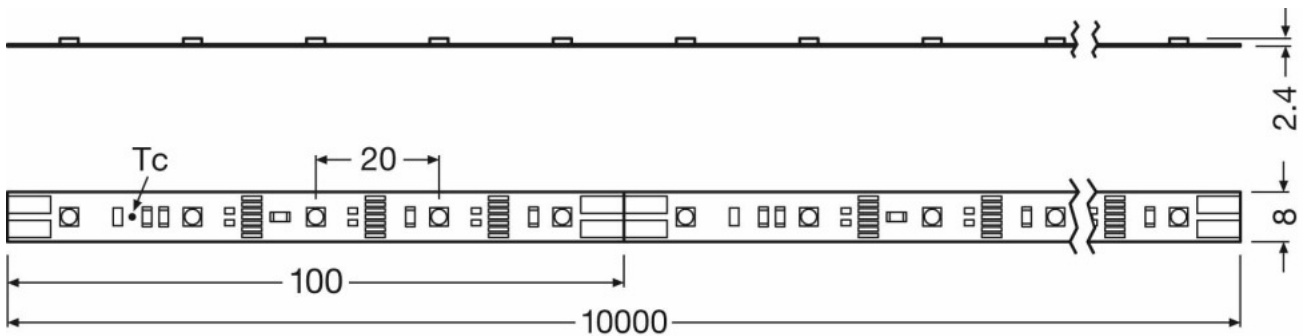
²⁾ LED pitch 20 mm

Product family datasheet

Product line drawing



LF06A -W3F-827, LF06A -W3F-830, LF06A -W3F-840, LF06A -W3F-850, LF06A -W3F-865



LF05A -B3, LF05A2 -O3, LF05A2 -T3, LF05A2 -Y3, LF05A2 -R3

Temperatures

Product family datasheet

Product description	Temperature range in operation	Temperature range at storage
LF06A -W3F-827	-30...75 °C ¹⁾	-40...85 °C
LF06A -W3F-830	-30...75 °C ¹⁾	-40...85 °C
LF06A -W3F-840	-30...75 °C ¹⁾	-40...85 °C
LF06A -W3F-850	-30...75 °C ¹⁾	-40...85 °C
LF06A -W3F-865	-30...75 °C ¹⁾	-40...85 °C
LF05A -B3	-20...75 °C ¹⁾	-20...85 °C
LF05A2 -O3	-20...75 °C ¹⁾	-20...85 °C
LF05A2 -T3	-20...75 °C ¹⁾	-20...85 °C
LF05A2 -Y3	-20...75 °C ¹⁾	-20...85 °C
LF05A2 -B3		
LF05A2 -R3	-20...75 °C ¹⁾	-20...85 °C

¹⁾ At the T_c point

Lifespan

Product description	Lifespan
LF06A -W3F-827	50000 h ¹⁾
LF06A -W3F-830	50000 h ¹⁾
LF06A -W3F-840	50000 h ¹⁾
LF06A -W3F-850	50000 h ¹⁾
LF06A -W3F-865	50000 h ¹⁾
LF05A -B3	50000 h ¹⁾
LF05A2 -O3	50000 h ¹⁾
LF05A2 -T3	50000 h ¹⁾
LF05A2 -Y3	50000 h ¹⁾
LF05A2 -B3	50000 h ¹⁾
LF05A2 -R3	50000 h ¹⁾

¹⁾ L70/B50 at T_c 40 °C

Capabilities

Product description	Dimmable
LF06A -W3F-827	Yes
LF06A -W3F-830	Yes
LF06A -W3F-840	Yes
LF06A -W3F-850	Yes
LF06A -W3F-865	Yes
LF05A -B3	Yes ¹⁾
LF05A2 -O3	
LF05A2 -T3	
LF05A2 -Y3	
LF05A2 -B3	
LF05A2 -R3	

Product family datasheet

¹⁾ PWM

Certificates & standards

Product description	Energy consumption	Energy efficiency class
LF06A -W3F-827	1 kWh/1000h	A++ ¹⁾
LF06A -W3F-830	1 kWh/1000h	A++ ¹⁾
LF06A -W3F-840	1 kWh/1000h	A++ ¹⁾
LF06A -W3F-850	1 kWh/1000h	A++ ¹⁾
LF06A -W3F-865	1 kWh/1000h	A++ ¹⁾
LF05A -B3		
LF05A2 -O3		
LF05A2 -T3		
LF05A2 -Y3		
LF05A2 -B3		
LF05A2 -R3		

Product description	Standards
LF06A -W3F-827	
LF06A -W3F-830	
LF06A -W3F-840	
LF06A -W3F-850	
LF06A -W3F-865	
LF05A -B3	acc. to 2004/108/EC
LF05A2 -O3	
LF05A2 -T3	
LF05A2 -Y3	
LF05A2 -B3	
LF05A2 -R3	

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

Product family datasheet







Country specific information

Product description	Product code	METEL-Code	SEG number	STK number	UK Org
LF06A-W3F-827	4008321973986	-	7500182	4030045	-
LF06A-W3F-830	4008321973993	-	7500184	4030047	-
LF06A-W3F-840	4008321974006	-	7500199	4030048	-
LF06A-W3F-850	4008321974013	-	7500209	4030056	-
LF06A-W3F-865	4008321974020	-	7500210	4030057	-
LF05A-B3	4008321955388	OSRLF05AB3	7552442	4031336	-

Download Data

File	
	Addon Technical Information BinningSheet - LF06A
	Product Datasheet LF06A Datenblatt
	Product Datasheet LF06A data sheet
	Brochures FLEXIBLE LED MODULES
	Brochures Light is freedom of design (GB)
	Declarations of conformity Declaration of conformity_LINEARlight Flex ADVANCED LF06A
	Eulumdat LINEARLIGHT FLEX ADVANCED LF06A-W3F-827.LDT
	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 ADVANCED LF06A-W3F-830.LDT
	Eulumdat LINEARLIGHT FLEX ADVANCED LF06A-W3F-840.LDT
	Eulumdat LINEARLIGHT FLEX ADVANCED LF06A-W3F-854.LDT
	Eulumdat LINEARLIGHT FLEX ADVANCED LF06A-W3F-865.LDT
	Product Datasheet LINEARlight Flex LF05A (EN)
	Eulumdat LF05A B3

Product family datasheet

	Product Family Datasheet LINEARlight Flex ADVANCED LF05A2 (Monochrome Versions)
	Eulumdat LF05A2-O3 - LDT
	Eulumdat LF05A2-T3 - LDT
	Eulumdat LF05A2-Y3 .LDT
	Eulumdat LF05A2-B3 LDT
	Eulumdat LF05A2-R3 - LDT

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321973986	LF06A -W3F-827	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	2225.00 g
4008321973993	LF06A -W3F-830	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1969.88 g
4008321974006	LF06A -W3F-840	Shipping carton box 8	241 mm x 139 mm x 205 mm	6.87 dm ³	1252.60 g
4008321974013	LF06A -W3F-850	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1948.00 g
4008321974020	LF06A -W3F-865	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	2225.00 g
4008321955388	LF05A -B3	Shipping carton box 8	366 mm x 372 mm x 286 mm	38.94 dm ³	4966.00 g
4052899924093	LF05A2 -O3	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	4970.00 g
4052899924116	LF05A2 -T3	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	4970.00 g
4052899924109	LF05A2 -Y3	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	4970.00 g
4052899924123	LF05A2 -B3	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	4970.00 g
4052899924086	LF05A2 -R3	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	4970.00 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

Product family datasheet

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