

LINEARlight FLEX

Colored flexible LED strips, cuttable



Areas of application

- Injection of light into displays and low-profile light guides
- Information signs, advertising or display cabinet lighting
- Backlighting of complex contours
- For decorative applications: LF05A
- Small coves and decorative applications

Product benefits

- Low height for low-profile surface/enclosed mounting
- Low thermal output
- Flexible 3-D mounting possible
- Flexible board with double-sided adhesive tape for simple mounting
- LF05A with smaller dimensions and additional cutting options thanks to the use of the LF-2TERM end cap

Product features

- Can be divided into the smallest unit or multiples thereof without affecting the function of the remainder of the board
- Dimmable by pulse width modulation (PWM)



Supplied by:

lightmoves

Melbourne
03 9701 2500

Sydney
02 9737 8988

info@lightmoves.com.au

www.lightmoves.com.au

Product family datasheet

Technical data

Electrical data

Product description	Nominal voltage	Nominal current	Nominal wattage	Type of current	Input voltage range
LF05A2 -O3	24.0 V	0.00345 A	83.00 W	DC	23...25 V
LF05A2 -R3	24.0 V	3.45 A	83.00 W	DC	23...25 V
LF05A2 -T3	24.0 V	0.00204 A	49.00 W	DC	23...25 V
LF05A2 -Y3	24.0 V	0.00345 A	83.00 W	DC	23...25 V
LF05E -B2	24.0 V		24.50 W	DC	23...25 V
LF05E -R1	24.0 V		36.00 W	DC	23...25 V
LF05E -T2	24.0 V		24.50 W	DC	23...25 V
LF05E -Y1	24.0 V		36.00 W	DC	23...25 V

Photometrical data

Product description	Luminous flux	Light color (designation)	Light color LED	Nominal dominant wavelength
LF05A2 -O3	1350 lm	Orange	Orange	602 nm
LF05A2 -R3	1100 lm	Red	Red	625 nm
LF05A2 -T3	1650 lm	Green	Green	525 nm
LF05A2 -Y3	1100 lm	Yellow	Yellow	587 nm
LF05E -B2	290 lm	Blue	Blue	470 nm
LF05E -R1	840 lm	Red	RGB	625 nm
LF05E -T2	940 lm	Green	Green	525 nm
LF05E -Y1	840 lm	Yellow	Yellow	587 nm

Light technical data

Product description	Beam angle
LF05A2 -O3	120 °
LF05A2 -R3	120 °
LF05A2 -T3	120 °
LF05A2 -Y3	120 °
LF05E -B2	120 °
LF05E -R1	120 °
LF05E -T2	120 °
LF05E -Y1	120 °

Product family datasheet

LED module information

Product description	Number of LEDs per module	Number of LEDs per smallest unit
LF05A2 -O3	500	5
LF05A2 -R3	500	5
LF05A2 -T3	500	5
LF05A2 -Y3	500	5
LF05E -B2	200	5
LF05E -R1	200	5
LF05E -T2	200	5
LF05E -Y1	200	5

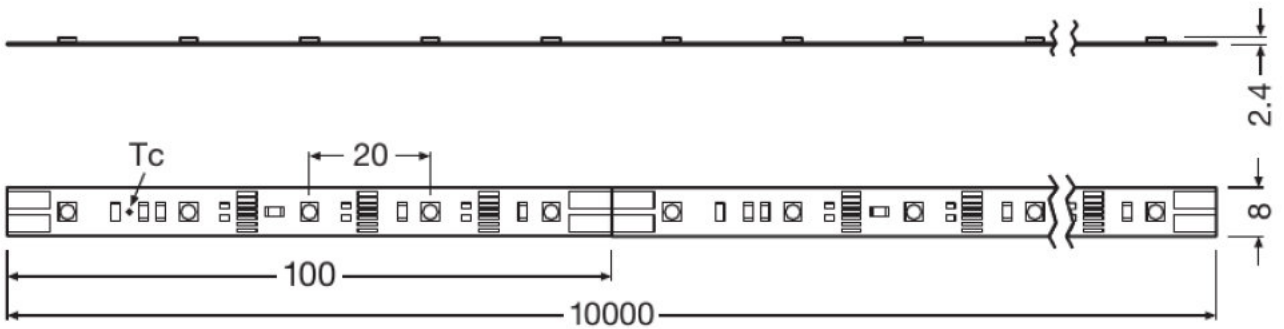
Dimensions & weight

Product description	Length	Length – smallest unit	Width	Height
LF05A2 -O3	10000 mm	100.0 mm	8.0 mm	2.4 mm
LF05A2 -R3	10000 mm	100.0 mm	8.0 mm	2.4 mm
LF05A2 -T3	10000 mm	100.0 mm	8.0 mm	2.4 mm
LF05A2 -Y3	10000 mm	100.0 mm	8.0 mm	2.4 mm
LF05E -B2	6000 mm ¹⁾	150.0 mm	8.0 mm	2.5 mm
LF05E -R1	6000 mm ¹⁾	150.0 mm	8.0 mm	2.5 mm
LF05E -T2	6000 mm ¹⁾	150.0 mm	8.0 mm	2.5 mm
LF05E -Y1	6000 mm ¹⁾	150.0 mm	8.0 mm	2.5 mm

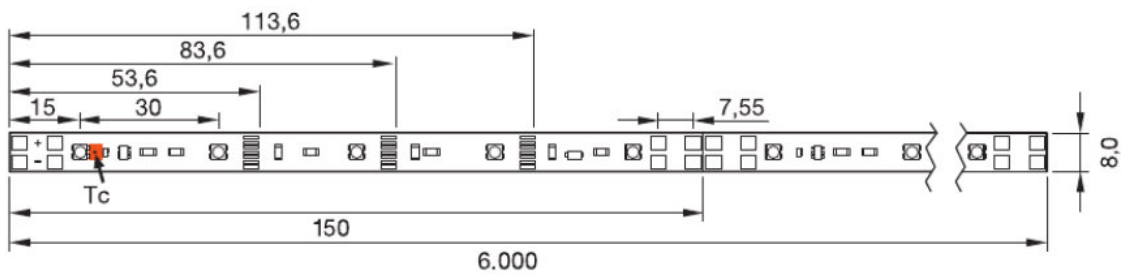
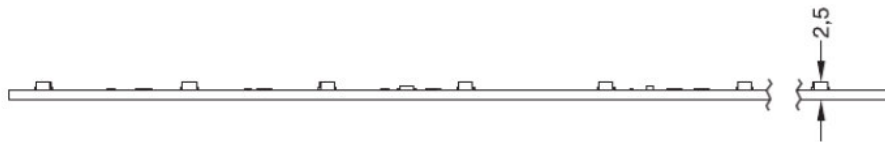
¹⁾ LED pitch 30 mm

Product family datasheet

Product line drawing



LF05A2 -O3, LF05A2 -R3, LF05A2 -T3, LF05A2 -Y3



LF05E -B2, LF05E -R1, LF05E -T2, LF05E -Y1

Product family datasheet

Temperatures & operating conditions

Product description	Temperature range in operation
LF05A2 -O3	-20...75 °C ¹⁾
LF05A2 -R3	-20...75 °C ¹⁾
LF05A2 -T3	-20...75 °C ¹⁾
LF05A2 -Y3	-20...75 °C ¹⁾
LF05E -B2	-30...75 °C ¹⁾
LF05E -R1	-30...75 °C ¹⁾
LF05E -T2	-30...75 °C ¹⁾
LF05E -Y1	-30...75 °C ¹⁾

¹⁾ At the T_c point

Lifespan

Product description	Lifespan
LF05A2 -O3	50000 h ¹⁾
LF05A2 -R3	50000 h ¹⁾
LF05A2 -T3	50000 h ¹⁾
LF05A2 -Y3	50000 h ¹⁾
LF05E -B2	50000 h ¹⁾
LF05E -R1	50000 h ¹⁾
LF05E -T2	50000 h ¹⁾
LF05E -Y1	50000 h ¹⁾

¹⁾ L70/B50 at T_c 40 °C

Certificates & standards

Product description	Standards
LF05A2 -O3	CE/UL/ENEC
LF05A2 -R3	CE/UL/ENEC
LF05A2 -T3	CE/UL/ENEC
LF05A2 -Y3	CE/UL/ENEC
LF05E -B2	Acc. to 2004/108/EC
LF05E -R1	Acc. to 2004/108/EC
LF05E -T2	Acc. to 2004/108/EC
LF05E -Y1	Acc. to 2004/108/EC

Product family datasheet

Logistical data

Product description	Temperature range at storage
LF05A2 -O3	-20...85 °C
LF05A2 -R3	-20...85 °C
LF05A2 -T3	-20...85 °C
LF05A2 -Y3	-20...85 °C
LF05E -B2	-40...85 °C
LF05E -R1	-40...85 °C
LF05E -T2	-40...85 °C
LF05E -Y1	-40...85 °C

Equipment / Accessories

– Simplified connection with the optional CONNECTsystem

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
LF05E -B2	4008321955425	OSRLF05EB2	-	4031335	-
LF05E -R1	4008321955418	OSRLF05ER1	-	4031337	-
LF05E -T2	4008321955449	OSRLF05ET2	-	4031338	-
LF05E -Y1	4008321955432	OSRLF05EY1	-	4031339	-

Download Data

File
 Product Family Datasheet 491092_LINEARlight Flex ADVANCED – LF05A2 (Monochrome Versions)
 Eulumdat 496970_LF05A2-O3 - LDT

Product family datasheet

	Eulumdat 496971_LF05A2-R3 - LDT
	Eulumdat 496972_LF05A2-T3 - LDT
	Eulumdat 496973_LF05A2-Y3 .LDT
	Product Datasheet 334085_LINEARlight Flex LF05E (EN)
	Eulumdat 322537_LF05E B2
	Eulumdat 322538_LF05E R1
	Eulumdat 322539_LF05E T2
	Eulumdat 322544_LF05E Y1

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899924093	LF05A2 -O3	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	4531.00 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
4008321955425	LF05E -B2	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1481.00 g
4008321955418	LF05E -R1	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1481.00 g
4008321955449	LF05E -T2	Shipping carton box 8	202 mm x 195 mm x 240 mm	9.45 dm ³	1481.00 g
4008321955432	LF05E -Y1	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1481.00 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
LF05A2 -O3	LINEARlight Colormix Flex, -WIRE-30 FLEX SC	▶ 4008321875594

Product family datasheet

LF05A2 -O3	LINEARlight Colormix Flex, -WIRE-150 FLEX SC	4008321875570
LF05A2 -O3	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF05A2 -O3	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF05A2 -O3	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF05A2 -O3	LINEARlight FLEX Tunable White, -SC08-G1-FW4P-LIN-0300	▶ 4052899469266
LF05A2 -R3	LINEARlight Colormix Flex, -WIRE-30 FLEX SC	▶ 4008321875594
LF05A2 -R3	LINEARlight Colormix Flex, -WIRE-150 FLEX SC	▶ 4008321875570
LF05A2 -R3	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF05A2 -R3	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF05A2 -R3	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF05A2 -R3	LINEARlight FLEX Tunable White, -SC08-G1-FW4P-LIN-0300	▶ 4052899469266
LF05A2 -T3	LINEARlight Colormix Flex, -WIRE-30 FLEX SC	▶ 4008321875594
LF05A2 -T3	LINEARlight Colormix Flex, -WIRE-150 FLEX SC	▶ 4008321875570
LF05A2 -T3	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF05A2 -T3	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF05A2 -T3	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF05A2 -T3	LINEARlight FLEX Tunable White, -SC08-G1-FW4P-LIN-0300	▶ 4052899469266
LF05A2 -Y3	LINEARlight Colormix Flex, -WIRE-30 FLEX SC	▶ 4008321875594
LF05A2 -Y3	LINEARlight Colormix Flex, -WIRE-150 FLEX SC	▶ 4008321875570
LF05A2 -Y3	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF05A2 -Y3	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF05A2 -Y3	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF05A2 -Y3	LINEARlight FLEX Tunable White, -SC08-G1-FW4P-LIN-0300	▶ 4052899469266
LF05E -B2	LINEARlight FLEX, -2PIN FLEX	▶ 4008321955470
LF05E -B2	LINEARlight FLEX, -CONN-10 FLEX	▶ 4008321955487
LF05E -B2	LINEARlight FLEX, -CONN-150 FLEX	▶ 4008321955494
LF05E -B2	LINEARlight FLEX, -2100	▶ 4008321978998
LF05E -B2	LINEARlight Colormix Flex, -WIRE-30 FLEX SC	▶ 4008321875594
LF05E -B2	LINEARlight Colormix Flex, -WIRE-150 FLEX SC	▶ 4008321875570
LF05E -R1	LINEARlight FLEX, -2PIN FLEX	▶ 4008321955470
LF05E -R1	LINEARlight FLEX, -CONN-10 FLEX	▶ 4008321955487
LF05E -R1	LINEARlight FLEX, -CONN-150 FLEX	▶ 4008321955494
LF05E -R1	LINEARlight FLEX, -2100	▶ 4008321978998
LF05E -R1	LINEARlight Colormix Flex, -WIRE-30 FLEX SC	▶ 4008321875594
LF05E -R1	LINEARlight Colormix Flex, -WIRE-150 FLEX SC	▶ 4008321875570
LF05E -T2	LINEARlight FLEX, -2PIN FLEX	▶ 4008321955470
LF05E -T2	LINEARlight FLEX, -CONN-10 FLEX	▶ 4008321955487
LF05E -T2	LINEARlight FLEX, -CONN-150 FLEX	▶ 4008321955494
		▶

Product family datasheet

LF05E -T2	LINEARlight FLEX, -2100	4008321978998
LF05E -T2	LINEARlight Colormix Flex, -WIRE-30 FLEX SC	▶ 4008321875594
LF05E -T2	LINEARlight Colormix Flex, -WIRE-150 FLEX SC	▶ 4008321875570
LF05E -Y1	LINEARlight FLEX, -2PIN FLEX	▶ 4008321955470
LF05E -Y1	LINEARlight FLEX, -CONN-10 FLEX	▶ 4008321955487
LF05E -Y1	LINEARlight FLEX, -CONN-150 FLEX	▶ 4008321955494
LF05E -Y1	LINEARlight FLEX, -2100	▶ 4008321978998
LF05E -Y1	LINEARlight Colormix Flex, -WIRE-30 FLEX SC	▶ 4008321875594
LF05E -Y1	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.