

LINEARlight Colormix Flex

LED modules for professional and industrial applications



Areas of application

- Effect lighting in architecture
- Injection of light into displays and low-profile light guides
- Dynamic effects in public zones

Product benefits

- Uniform color changing
- 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 splittable LED strip with inline multichip RGB LEDs



Product family datasheet

Technical data

Electrical data

Product description	Nominal voltage	Nominal current	Rated wattage	Nominal wattage per meter	Reverse Voltage	Type of current
LF05CA2 -RGB3	24.0 V	3 A	72.00 W	18.0 W	25 V	DC
LM10L -RGB-B7 ¹⁾	24.0 V		55.20 W			DC
LF05CE -RGB1	24.0 V	1.6 A	39.00 W	6.5 W		DC

Product description	Input voltage range
LF05CA2 -RGB3	23...25 V
LM10L -RGB-B7 ¹⁾	
LF05CE -RGB1	

¹⁾ Modules perfectly matched to 24 V OSRAM OPTOTRONIC electronic control gear/For current photometric data and important safety, installation and application information, see www.osram.com/led-systems/All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values

Photometrical data

Product description	Light color LED	Nominal dominant wavelength	Luminous flux per meter	Luminous flux
LF05CA2 -RGB3	RGB	625 / 525 / 465 nm	470 lm	1880 lm
LM10L -RGB-B7 ¹⁾		617 / 525 / 467 nm		213/336/54 lm
LF05CE -RGB1	RGB	625 / 525 / 465 nm	180 lm	1080 lm

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Light technical data

Product description	Beam angle
LF05CA2 -RGB3	120 °
LM10L -RGB-B7 ¹⁾	120 °
LF05CE -RGB1	120 °

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Product family datasheet

LED module information

Product description	Number of LEDs per module	Number of LEDs per meter	Number of LEDs per smallest unit
LF05CA2 -RGB3	200	50	5
LM10L -RGB-B7 ¹⁾	200		10
LF05CE -RGB1	200	33	5

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Dimensions & weight

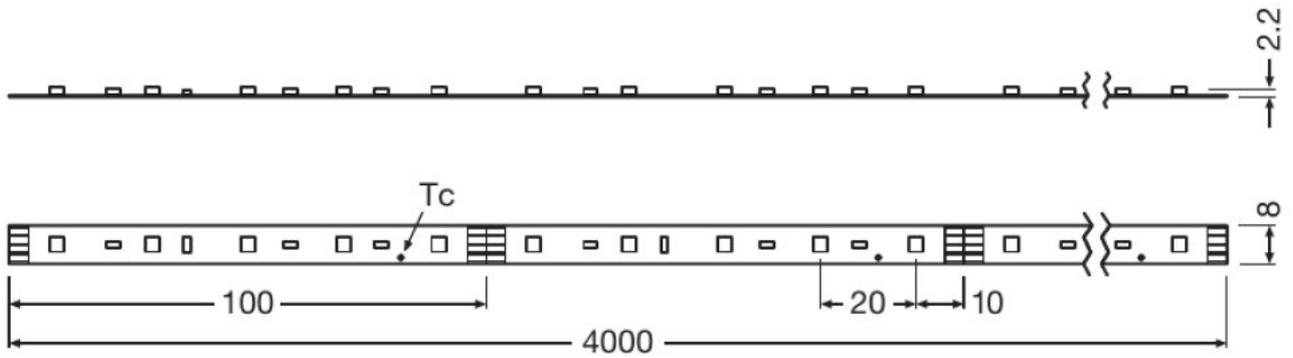
Product description	Length	Length – smallest unit	Width	Height	Product weight
LF05CA2 -RGB3	4000 mm	100.0 mm	8.0 mm	2.2 mm	43.23 g
LM10L -RGB-B7 ¹⁾	4000 mm	200.0 mm	11.5 mm	2.2 mm	86.00 g
LF05CE -RGB1	6000 mm ²⁾	150.0 mm			43.25 g

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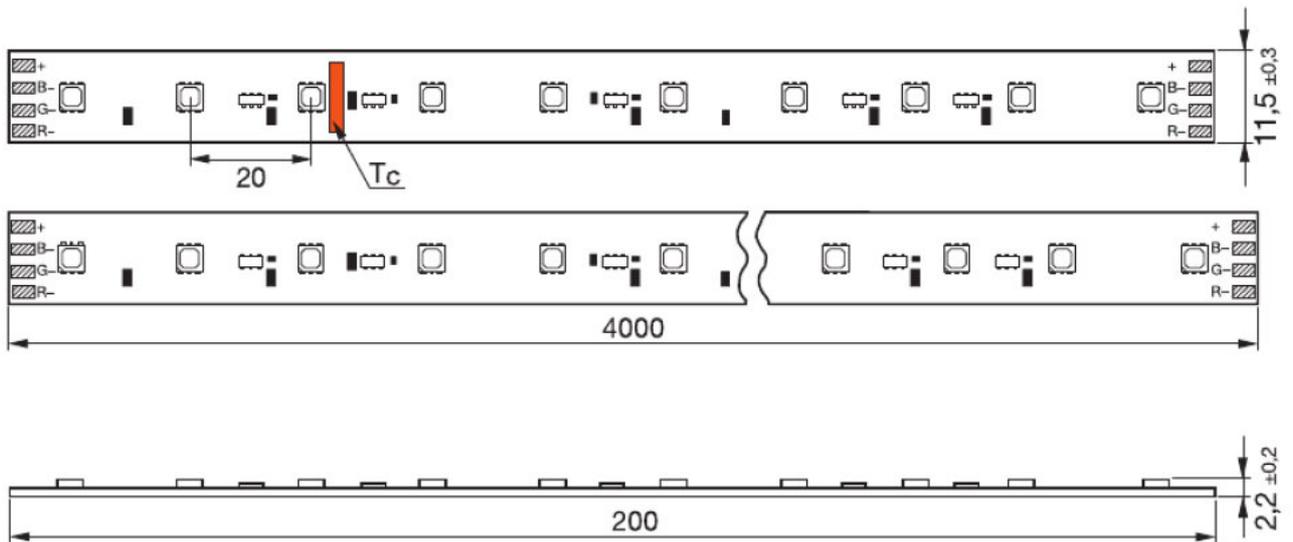
²⁾ LED pitch 30 mm

Product family datasheet

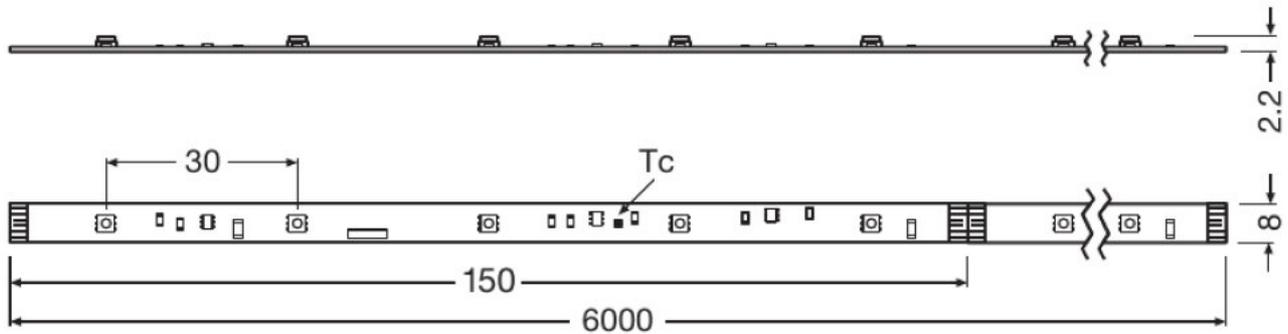
Product line drawing



LF05CA2 -RGB3



LM10L -RGB-B7



LF05CE -RGB1

Temperatures & operating conditions

Product description	Temperature range in operation
LF05CA2 -RGB3	-30...75 °C ²⁾
LM10L -RGB-B7 ¹⁾	-30...75 °C ²⁾
LF05CE -RGB1	

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²⁾ At the T_c point

Capabilities

Product description	Dimmable
LF05CA2 -RGB3	
LM10L -RGB-B7 ¹⁾	Yes ²⁾
LF05CE -RGB1	Yes ²⁾

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²⁾ PWM

Product family datasheet

Certificates & standards

Product description	Standards
LF05CA2 -RGB3	CE/UL/ENEC/VDE
LM10L -RGB-B7 ¹⁾	Acc. to 2004/108/EC
LF05CE -RGB1	CE

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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

Country specific information

Product description	Product code	METEL-Code	SEG-No.	STK number	UK Org
LF05CA2 -RGB3	4008321851536	-	-	4030217	-
LF05CE -RGB1	4008321593375	OSRLF05CERGB1	-	4031372	-

Download Data

File
 Product Datasheet LF05CA2 - Technical Datasheet
 Brochures LINEARlight Colormix Flex and LINEARlight Colormix Flex Protect - Quick installation guide
 Brochures 723873_Light is freedom of design (GB)
 Declarations of conformity EC-DoC LS LL05CA2

Product family datasheet

	Declarations of conformity EC-Man DoC LS LL05CA2
	Operating instructions LF05CA2 - User Manual
	Eulumdat 20121105 D012850 LF05CA2
	Eulumdat LF05CA2 D012849 LDT
	Eulumdat LF05CA2 D012848 LDT
	Addon Technical Information LINEARlight COLORMIX FLEX LM10L DATA SHEET (GB)
	Brochures LIGHT SPHERE 22014 (GB)
	Eulumdat LM10L RGB B7
	Product Datasheet LINEARlight Colormix Flex LF05C (data sheet)
	Declarations of conformity EC-DoC LF05CACE
	Declarations of conformity Manufacturers-DoC LF05CACE

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321851536	LF05CA2 -RGB3	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1515.00 g
4008321008824	LM10L -RGB-B7	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1404.75 g
4008321593375	LF05CE -RGB1	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1514.84 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 Mandatory

Product description	Accessory name	Accessory code
LF05CA2 -RGB3	LINEARlight Colormix Flex, -4PIN FLEX SC	▶ 4052899904842
LF05CE -RGB1	LINEARlight Colormix Flex, -4PIN FLEX	▶ 4008321514592

Product family datasheet

Accessories Optional

Product description	Accessory name	Accessory code
LF05CA2 -RGB3	LINEARlight FLEX, -2100	▶ 4008321978998
LF05CA2 -RGB3	LINEARlight Colormix Flex, -CONN FLEX SC	▶ 4008321832474
LF05CA2 -RGB3	LINEARlight Colormix Flex, -WIRE-30 FLEX SC	▶ 4008321875594
LF05CA2 -RGB3	LINEARlight Colormix Flex, -WIRE-150 FLEX SC	▶ 4008321875570
LF05CE -RGB1	LINEARlight FLEX, -CONN-10 FLEX	▶ 4008321955487
LF05CE -RGB1	LINEARlight FLEX, -CONN-150 FLEX	▶ 4008321955494
LF05CE -RGB1	LINEARlight FLEX, -2100	▶ 4008321978998

Disclaimer

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