

LINEARlight Colormix Flex Protect

Flexible LED modules for professional and industrial applications



Areas of application

- Facade accent lighting
- Effect lighting in architecture
- Edge coupling
- Path lighting
- Suitable for outdoor use

Product benefits

- Uniform color changing
- Great design freedom thanks to flexibility and cuttability of module
- High-performance silicon for extremely long life and flexibility
- Simple connection thanks to premounted connectors
- Extraordinary design and high quality materials
- 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
- Type of protection: IP67
- Dimmable
- Salt mist proof
- Highly UV-resistant



Technical data

Electrical data

Product description	Nominal voltage	Rated wattage	Nominal wattage per meter	Reverse Voltage
LF05CE -RGB1-P	24.00 V	39.00 W	6.5 W	25 V
LF05CA -RGB3-P	24.00 V	72.00 W	18.0 W	25 V

Product description	Type of current	Voltage range
LF05CE -RGB1-P	DC	23...25 V
LF05CA -RGB3-P	DC	23...25 V

Photometrical data

Product description	Light color as per EN 12464-1	Light color LED	Luminous flux per meter	Luminous flux
LF05CE -RGB1-P	Daylight	RGB	180 lm	1080 lm
LF05CA -RGB3-P	Daylight	RGB	435 lm	1740 lm

Light technical data

Product description	Beam angle
LF05CE -RGB1-P	120 °
LF05CA -RGB3-P	120 °

LED module information

Product description	Number of LEDs per module	Number of LEDs per meter
LF05CE -RGB1-P	200	33
LF05CA -RGB3-P	200	50

Dimensions & weight

Product description	Length	Length – smallest unit	Width	Height
LF05CE -RGB1-P	6000.0 mm ¹⁾	150.0 mm	11.0 mm	4.5 mm
LF05CA -RGB3-P	4000.0 mm ²⁾	100.0 mm	11.0 mm	4.5 mm

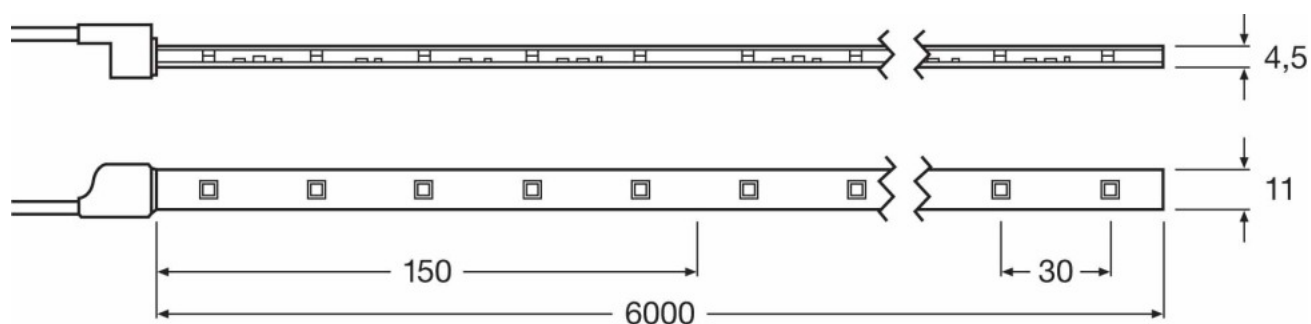
Product description	Cable length	Product weight
LF05CE -RGB1-P	500.0 mm	500.00 g
LF05CA -RGB3-P	500.0 mm	241.00 g

Product family datasheet

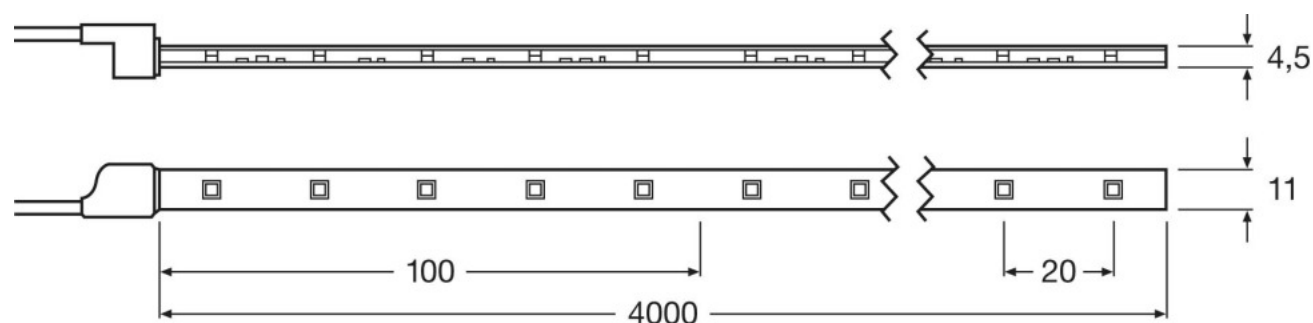
1) LED pitch 30 mm

2) LED pitch 20 mm

Product line drawing



Product line drawing
LF05CE -RGB1-P



Product line drawing
LF05CA-RGB3-P

Temperatures

Product description	Temperature range in operation	Temperature range at storage
LF05CE-RGB1-P	-30...75 °C ¹⁾	-40...85 °C
LF05CA-RGB3-P	-30...75 °C ¹⁾	-40...85 °C

¹⁾ At the T_c point

Lifespan

Product description	Lifespan
LF05CE-RGB1-P	50000 h
LF05CA-RGB3-P	50000 h

Capabilities

Product description	Dimmable
LF05CE-RGB1-P	Yes ¹⁾
LF05CA-RGB3-P	Yes ¹⁾

¹⁾ PWM

Certificates & standards

Product description	Type of protection	Standards
LF05CE -RGB1-P	IP67	acc. to EN 60598-1
LF05CA -RGB3-P	IP67	acc. to EN 60598-1

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 number	STK number	UK Org
LF05CE-RGB1-P	4008321977182	-	8334172	4031374	-
LF05CA-RGB3-P	4008321977205	OSRLF05CARGB3PR	8334171	4031373	-

Download Data

File	
	Product Datasheet LINEARlight Colormix Flex Protect LF05C-P (EN)
	Brochures FLEXIBLE LED MODULES
	Declarations of conformity Declaration of conformity LINEARlight Colormix Flex Protect LF05CA-P, LF05CE-P
	Declarations of conformity EC-DoC LF05CA-CE-P
	Eulumat LINEARlight Colormix Flex Protect LF05CE-RGB-P
	Product movie Spots LINEARlight Flex Quality long QTh264 3500kbit 1024x576 (E)
	Product movie Spots LINEARlight Flex Quality short QTh264 3500kbit 1024x576 (E)

Product family datasheet



Eulumdat
LINEARlight Colormix Flex Protect LF05CA-RGB3-P

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Volume	Gross weight
4008321977182	LF05CE -RGB1-P	Shipping carton box 8	291 mm x 369 mm x 366 mm	39.30 dm ³	6733.50 g
4008321977205	LF05CA -RGB3-P	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	6078.00 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.