

LINEARlight Colormix Flex Protect

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



Product family datasheet

Technical data

Electrical data

Product description	Nominal voltage	Rated wattage	Nominal wattage per meter	Reverse Voltage	Type of current
LF05CE -RGB1-P	24.0 V	39.00 W	6.5 W	25 V	DC
LF05CA -RGB3-P	24.0 V	72.00 W	18.0 W	25 V	DC

Product description	Input voltage range	Nominal current
LF05CE -RGB1-P	23...25 V	
LF05CA -RGB3-P	23...25 V	3 A

Photometrical data

Product description	Light color (designation)	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

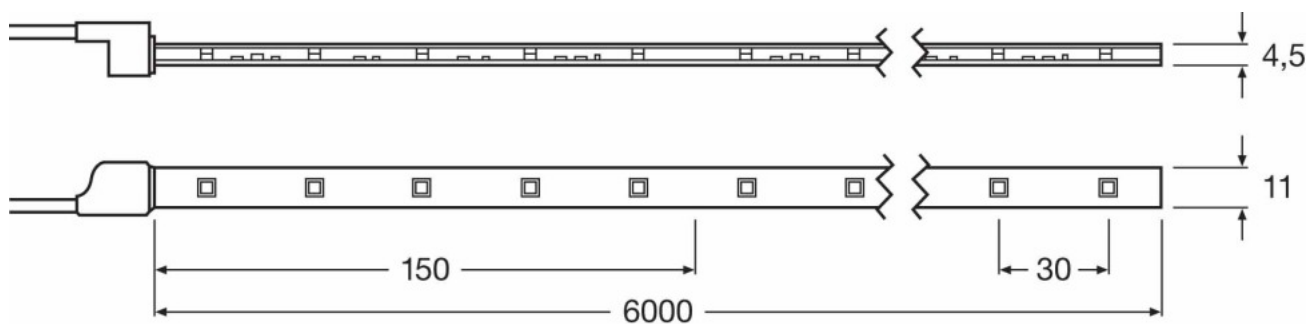
Product description	Length	Length – smallest unit	Width	Height	Cable length	Product weight
LF05CE -RGB1-P	6000 mm ¹⁾	150.0 mm	11.0 mm	4.5 mm	500.0 mm	500.00 g
LF05CA -RGB3-P	4000 mm ²⁾	100.0 mm	11.0 mm	4.5 mm	500.0 mm	241.00 g

¹⁾ LED pitch 30 mm

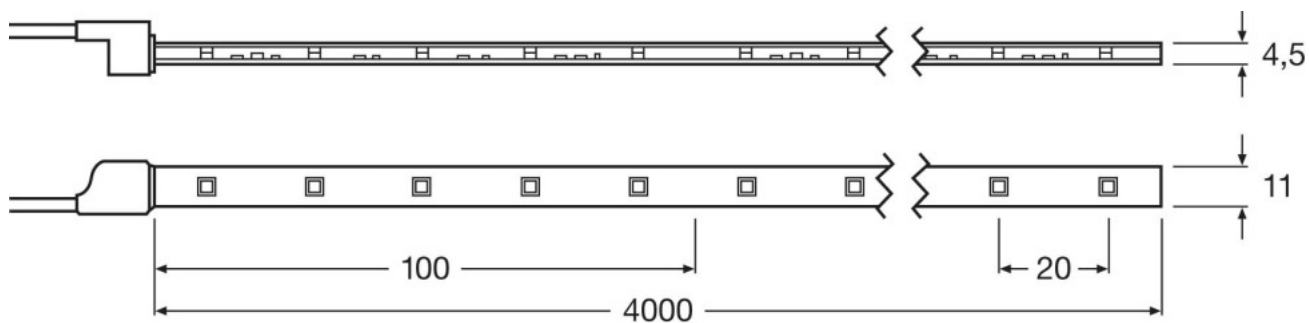
²⁾ LED pitch 20 mm

Product family datasheet

Product line drawing



LF05CE -RGB1-P



LF05CA -RGB3-P

Product family datasheet

Temperatures & operating conditions

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

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

Logistical data

Product description	Temperature range at storage
LF05CE -RGB1-P	-40...85 °C
LF05CA -RGB3-P	-40...85 °C

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

Product family datasheet

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	-	8334160	4031374	-
LF05CE -RGB1-P	4008321977182	-	8334172	-	-
LF05CA -RGB3-P	4008321977205	OSRLF05CARGB3PR	8334159	4031373	-
LF05CA -RGB3-P	4008321977205	-	8334171	-	-

Download Data

File
 Product Datasheet LINEARlight Colormix Flex Protect LF05C-P (EN)
 Declarations of conformity Declaration of conformity LINEARlight Colormix Flex Protect LF05CA-P, LF05CE-P
 Declarations of conformity EC-DoC LF05CA-CE-P
 Eulumdat 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)
 Brochures LINEARlight Colormix Flex and LINEARlight Colormix Flex Protect - Quick installation guide
 Eulumdat LINEARlight Colormix Flex Protect LF05CA-RGB3-P

Logistical Data

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

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
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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
LF05CE -RGB1-P	LINEARlight Colormix Flex Protect, -4PIN Protect	▶ 4008321977120
LF05CE -RGB1-P	LINEARlight Colormix Flex Protect, -4CONN Protect	▶ 4008321977144
LF05CE -RGB1-P	LINEARlight FLEX Protect, -ENDCAP Protect	▶ 4008321977151
LF05CE -RGB1-P	LINEARlight FLEX Protect, -FIXTURE PROTECT	▶ 4008321644756
LF05CE -RGB1-P	LINEARlight FLEX, -2100	▶ 4008321978998
LF05CA -RGB3-P	LINEARlight Colormix Flex Protect, -4PIN Protect	▶ 4008321977120
LF05CA -RGB3-P	LINEARlight Colormix Flex Protect, -4CONN Protect	▶ 4008321977144
LF05CA -RGB3-P	LINEARlight FLEX Protect, -ENDCAP Protect	▶ 4008321977151
LF05CA -RGB3-P	LINEARlight FLEX Protect, -FIXTURE PROTECT	▶ 4008321644756
LF05CA -RGB3-P	LINEARlight FLEX, -2100	▶ 4008321978998

Disclaimer

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