

PRODUCT DATASHEET

LF700RGBW -G1-830-06

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
- Type of protection: IP00
- Toolless connection with the optional CONNECTsystem for RGB
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back

PRODUCT FEATURES

- Flexible and cuttable LED strip with inline multichip RGB LEDs
- RGBW: full single bin on each color and white



TECHNICAL DATA

Electrical data

Nominal current	2.5 A
Rated wattage	58.80 W
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Nominal wattage per meter	9.8 W
Reverse Voltage	25 V
Type of current	DC
Nominal voltage	24.00 V
Input voltage range	23...25 V

Photometrical data

Light color (designation)	RGBW
Light color LED	RGB, white
Luminous flux per meter	697 lm
Luminous flux	4182 lm
Luminous efficacy	121 lm/W
Color temperature	3000 K
Color rendering index Ra	80

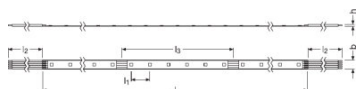
Light technical data

Beam angle	120 °
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LED module information

Number of LEDs per meter	80
Number of LEDs per module	480

Dimensions & weight



Length	6000 mm
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Length – smallest unit	150.0 mm
Width	10.0 mm
Height	1.40 mm
Product weight	116.00 g
LED pitch	25.0 mm

Temperatures & operating conditions

Temperature range in operation	-20...75 °C ¹⁾
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¹⁾ Exceeding the maximum ratings will reduce expected life time or destroy the LED strip.

Lifespan

Lifespan	60000 h
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Additional product data

Product remark	Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/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/Full single bin on white and each color/With RGB wavelengths: R/G/B 622/534/485 nm
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Capabilities

Dimmable	Yes
Self-adhesive	Yes
Lowest bending radius	20 mm
With connection set	Yes
With end piece	No

Certificates & standards

Standards	UL/EAC/CE; ENEC 10 VDE
Type of protection	IP20
Energy efficiency class	A++
Energy consumption	22 kWh/1000h

Logistical data

Temperature range at storage	-40...85 °C
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EQUIPMENT / ACCESSORIES

- Simplified connection with optional matching CONNECTsystem for RGB

- Quick installation with optional SLIM TRACK System
- Perfectly matched to OPTOTRONIC 24 V electronic control gears

DOWNLOAD DATA

File	
	Brochures Light is freedom of design (EN)
	Certificates EAC Certificate
	Certificates ENEC10_VDE Certificate
	Certificates UL Certificate
	Declarations of conformity Declaration of Conformity
	Declarations of conformity Manufacturers Declaration of Conformity

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899525306	LF700RGBW -G1-830-06	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	2045.00 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.