

Light is OSRAM

LINEARlight FLEX Colormix Protect

RGB IP67 LED strips for vivid colors
LFP600RGB L1



Features & Benefits

- Lifetime up to 60.000 h L70B50 at T_p
- Internal constant current regulator
- Full single bin on each color
- Vivid saturated colors
- Extraordinary design and high-quality materials
- Great design freedom thanks to flexibility and cuttability of the strip
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- Quick and safe installation, also thanks to the already present soldered cables
- Dimmable by PWM technology
- Made in Italy

Application areas

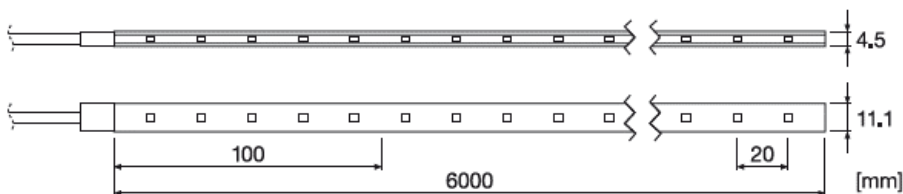
Facade accent lighting, effect lighting in architecture, edge coupling, path lighting, suitable for outdoor use thanks to IP67 protection

Standards

CE, ENEC

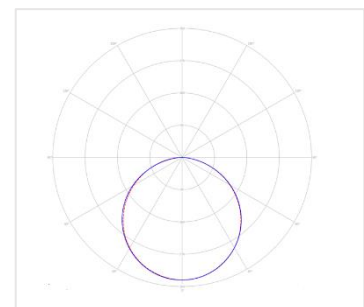
Photometric data acc. to: LM-80 and TM-21, LM-79, EN13032-4, CIE S 025, IES TM-30-15

Technical data



Number LED/m : 50
Max. operable length = product length

Nominal Voltage	24.0 V
Reverse voltage protection up to	25.0 V
Temperature range in operation @ T _c point	LFP600RGB: -30...+75 °C
Storage Temperature	-40...+85 °C



— C0-C180
— C90-C270

cd/1000lm

Beam Angle 120°

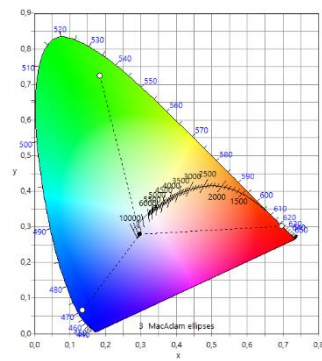
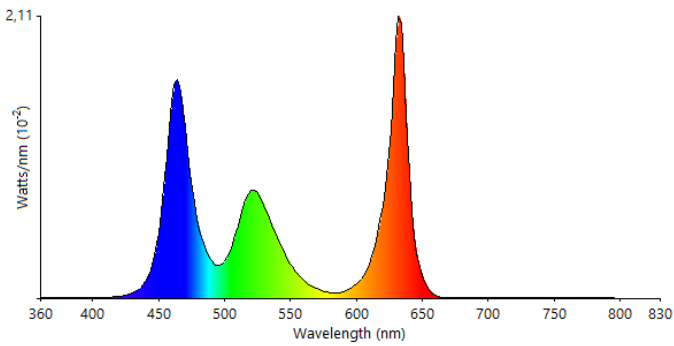
Technical data

	Luminous Flux per meter lm/m	Power W/m	Current A/m	Luminous Efficacy lm/W	Performance Temp. Tp °C	Length m
LFP600RGB-G5-06 L1	570	15.6	0,7	37	35	6000

LFP600RGB-G5-06 L1	Dom. λ (nm)	Luminous Flux per meter lm/m	Power W/m	Performance Temp. Tp °C	Length m
● R	620	190	6.2	35	6000
● G	530	320	4.7	35	6000
● B	470	60	4.7	35	6000

Color output data

LFP600RGB-G5-06 L1


















Order Code

Product description	Product code	EAN10 Package content
LFP600RGB-G5-06 L1	4062172283526	1x LED strip with connector

Tracks System compatibility





The table reports the maximum recommended ambient temperature for each listed track in combination with LFP600RGB, in case of surface or recessed mounting. In these conditions the expected Tc of LED strip is the maximum allowed.

			 SURFACE MOUNTING	 RECESSED MOUNTING
			LFP600RGB-G5-06-L1	LFP600RGB-G5-06-L1
Track Type	Product description	Product code (EAN)	T Amb. °C	T Amb. °C
 Slim Track	LTS-2000	4062172207300	50	50
 Slim Track	FX-QMS-G1-TU15H6-300	4052899448865	50	50
 Slim Track	FX-QMS-G1-TU15H6W3-300	4052899448889	50	50
 Slim Track	FX-QMS-G1-TU16H12-300	4052899448964	50	50
 Slim Track	FX-QMS-G1-TU16H12W3-300	4052899448988	50	50
 Slim Track	FX-QMS-G1-TR19H16-300	4052899449008	50	50
 Slim Track	FX-QMS-G1-TU16H12LS-300	4052899449046	50	50
 Slim Track	FX-QMS-G1-T45D19H19-300	4052899448667	50	50
 Wide Track	FX-QMW-G1-TK30D46H27-300	4052899448827	50	50
 Wide Track	FX-QMW-G1-TU26H8-300	4052899448643	50	50
 Wide Track	FX-QMW-G1-TU26H25W10-300	4052899448773	50	50
 Wide Track	FX-QMW-G1-TU26H25W2-300	4052899448841	50	50
 Wide Track	FX-QMW-G1-TU26H25-300	4052899448803	50	50

Note: the table is for application evaluation only; always ensure that Tc do not exceed the maximum allowed value.

For further information please write to support-ds@osram.com or consult our Flex Configurator at www.osram.com/flex-configurator

Accessories

Product Type	Product description	Product code (EAN10)	EAN10 Package content
 Silicon clip	LF-CLIPFIXTUREPROTECT	4008321644749	50x clips
 End Cap	LF-ENDCAP CONNECTSYSTEMPROTECT	4062172016438	10x end caps
 Connector IP67	LF-4PIN CONNECTSYSTEM PROTECT	4062172016490	10x protected connectors
 Jumper IP67	LF-4 CONNECTSYSTEM PROTECT	4062172016452	10x protected jumpers

Maximum length in combination with optional IP67 connector

	[W/m]	Full power 3m [W]	Mixed Color 6m [W]
Red	6,2	18,6	[40%] 14,88
Green	4,7	14,1	[10%] 2,82
Blue	4,7	14,1	[100%] 28,2
Total		46,8	45,9

Note: strip total power to be <48 W

Disclaimer

Subject to change without notice. Errors and omission excepted. Make sure to use the most recent release. All values are average typical and cannot be used as reference for compliance tests. Always refer to the official data on web site: www.osram.com

* The color uniformity shown is a result of internal theoretical and statistical evaluation under specific conditions; it is intended to provide our customers with an estimation of color uniformity in real applications. Despite LEDs used in OSRAM strips are single BIN 3 SDCM ellipse, their careful combination in a LED strip with proper manufacturing process, results in a mixed light through a diffusive material which is within a 2SDCM ellipse, with a probability greater than 90%.

Due to variability of each single chip and statistical meth, this indication cannot be considered as legally binding. The guaranteed color consistency claim can be found inside the official data sheets of every product.

** Always ensure that Tc will not exceed the maximum allowed value.

OSRAM GmbH

Head Office:

Marcel-Breuer-Strasse 6
80807 Munich, Germany
Phone +49 89 6213-0
Fax +49 89 6213-2020
www.osram.com

OSRAM