

Light is OSRAM



# LINEARlight FLEX BackBone

Flexible LED strip with optical systems

LFB1000-G1



### Highlights

- Outdoor or indoor contour/border light
- Optical engine integrated with dedicated lens
- Optional accessories to ease installation
- Works perfectly with OPTOTRONIC
- Flexible module ideal for shaped surface
- Soldered cables on both sides

### Features

- 22x12mm dimension
- 4,88 meter with soldered cables on each side (cuttable every 300mm)
- 3 SDCM, CRI80, IP67
- 3 CCTs: 2700 / 3000 / 4000K
- All 60'000 h lifetime L70B50
- 2 different optics: 30° and 60° asymmetrical

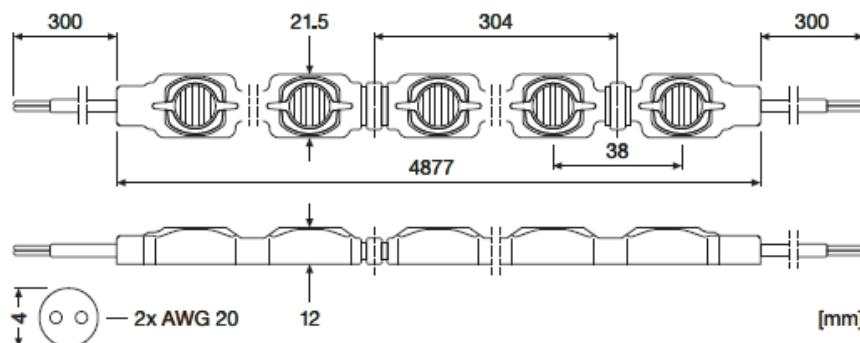
### Application areas

Architectural lighting, Façade accent lighting, Cove lighting, Path lighting, Outdoor lighting

### Standards

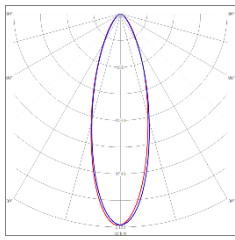
CE, UL, ENEC, EAC, VDE

## Technical data



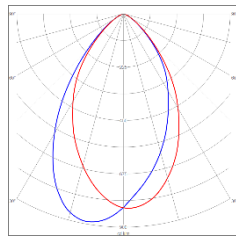
Lowest Bending Radius = 175 mm

Number LED/m = 26



— C0-C180  
— C90-C270 cd/1000lm

Lens 30°S



— C0-C180  
— C90-C270 cd/1000lm

Lens 60°A

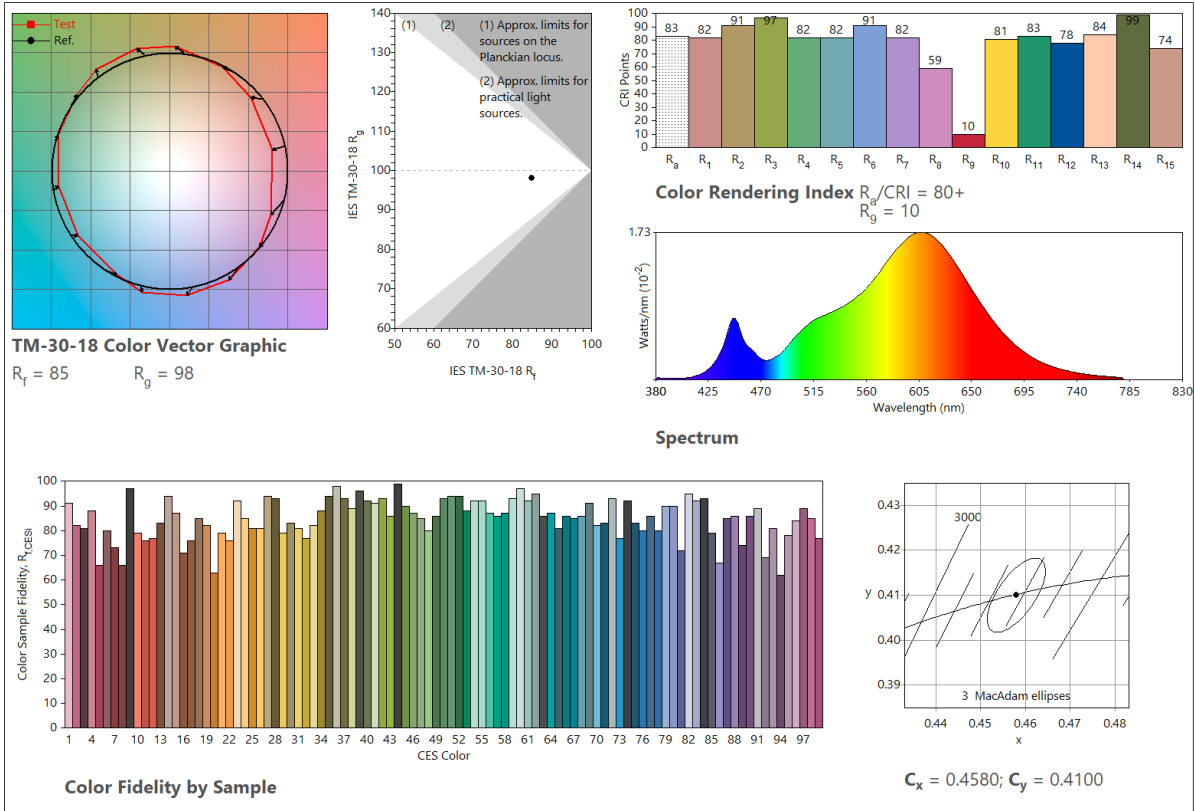
Nominal Voltage	24.0 V
Reverse voltage protection up to	25.0 V
Temperature range in operation @ Tc point	-20...+70 °C
Storage Temperature	-30...+70 °C
Ambient Temperature IP67	-20...+40 °C
Ambient Temperature IP65	-20...+50 °C

### Technical data

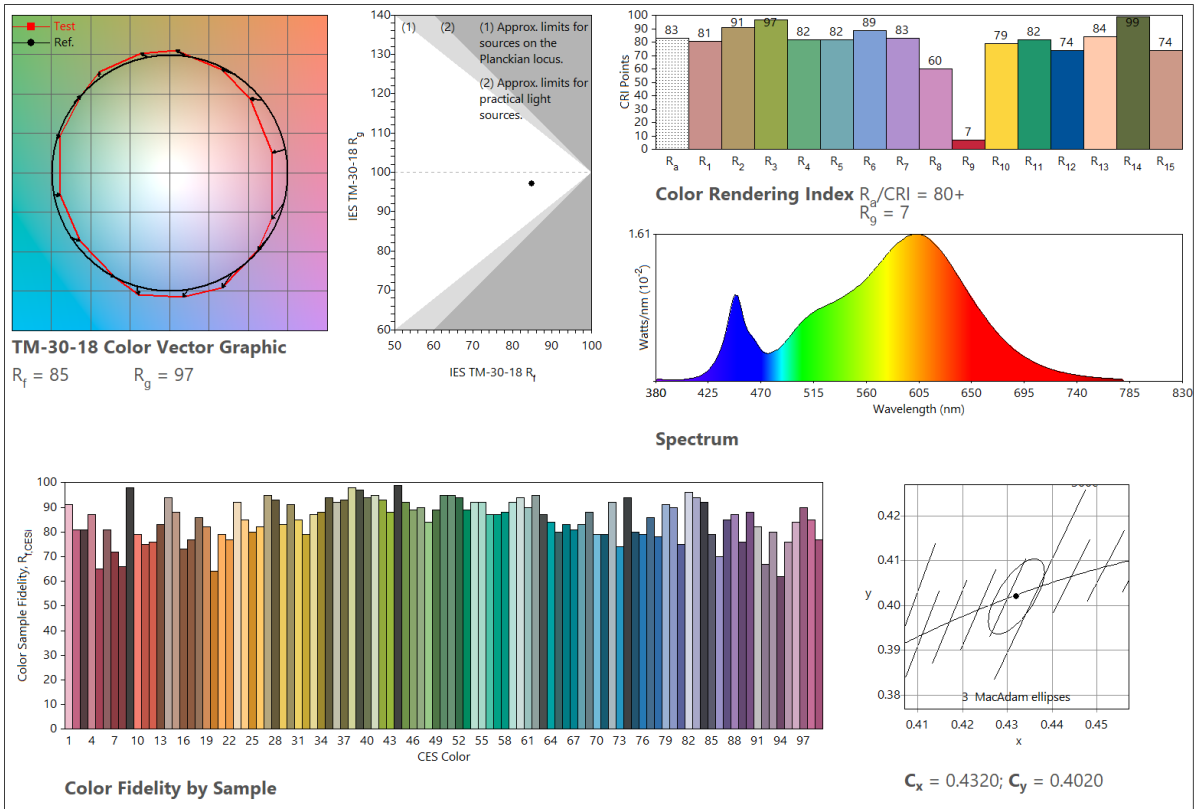
	Nominal CCT See color output data	CRI	Lum. Flux per meter lm/m	Power W/m	Lum. Efficacy lm/W	Perform. Temp. Tp °C	Length m
LFB1000-G1-827-30S-BK-05 L2	2700 K	>80	1064	11.9	89	35	4.9
LFB1000-G1-830-30S-BK-05 L2	3000 K	>80	1118	11.9	94	35	4.9
LFB1000-G1-840-30S-BK-05 L2	4000 K	>80	1184	11.9	100	35	4.9
LFB1000-G1-827-60A-BK-05 L2	2700 K	>80	1294	11.9	109	35	4.9
LFB1000-G1-830-60A-BK-05 L2	3000 K	>80	1349	11.9	113	35	4.9
LFB1000-G1-840-60A-BK-05 L2	4000 K	>80	1480	11.9	124	35	4.9

Color output data

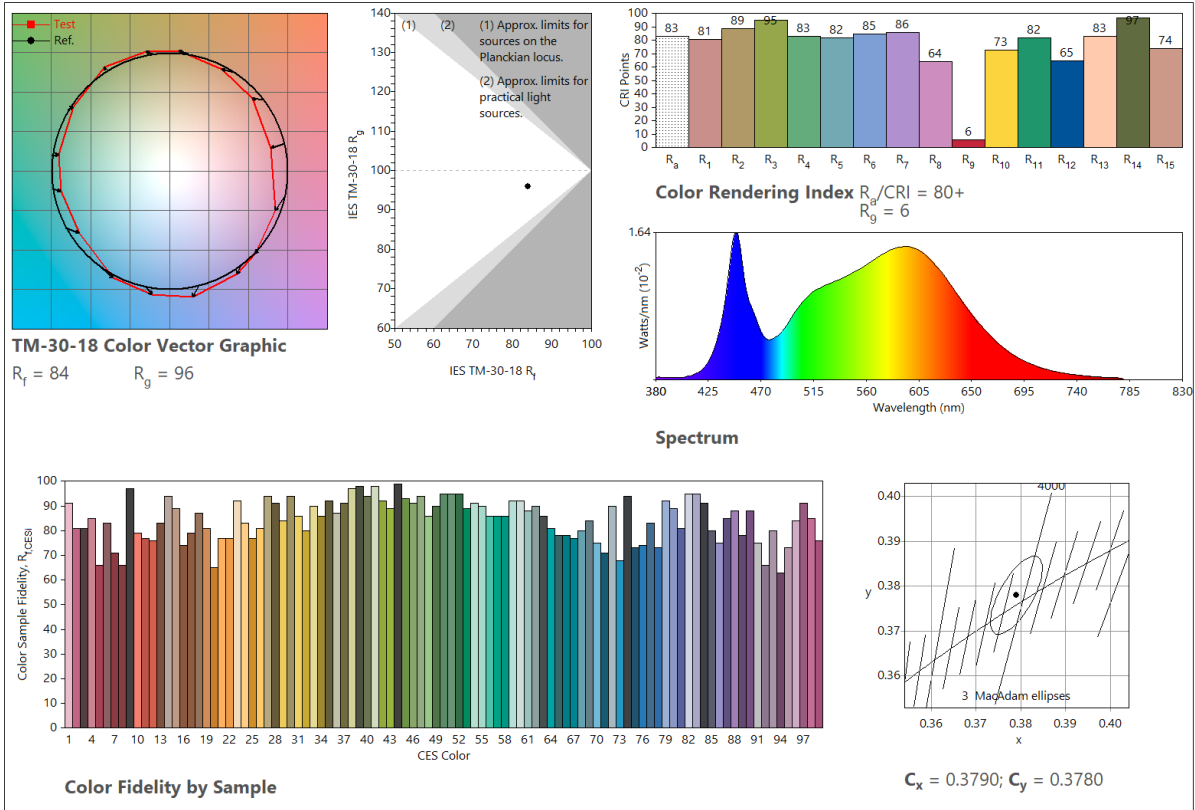
LINEARlight FLEX Backbone 2700 K



LINEARlight FLEX Backbone 3000 K

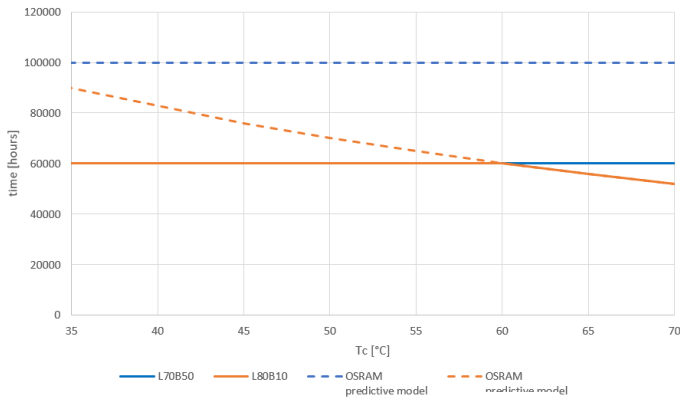


LINEARlight FLEX Backbone 4000 K

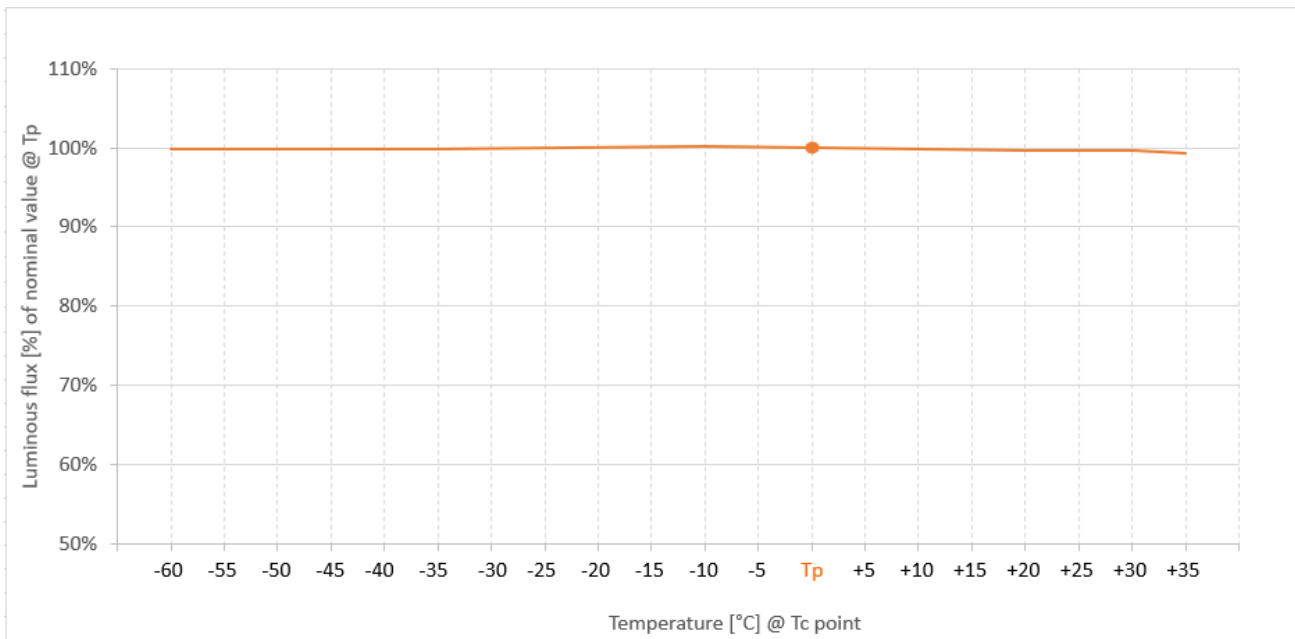


Lifetime

LFB1000



### Luminous Flux maintenance according to Tp value



Note: Light flux varies with the temperature measured @Tc point; nominal values is given @Tc = Tp. Flux increases when Tc decreases.

### Order Code

Product description	Product code	Dimensions (L x W x H)	EAN10 Package content
LFB1000-G1-827-30S-BK-05 L2	4062172344753	390mm x 390mm x 45mm	1x Led module
LFB1000-G1-830-30S-BK-05 L2	4062172345194	390mm x 390mm x 45mm	1x Led module
LFB1000-G1-840-30S-BK-05 L2	4062172345255	390mm x 390mm x 45mm	1x Led module
LFB1000-G1-827-60A-BK-05 L2	4062172344777	390mm x 390mm x 45mm	1x Led module
LFB1000-G1-830-60A-BK-05 L2	4062172345217	390mm x 390mm x 45mm	1x Led module
LFB1000-G1-840-60A-BK-05 L2	4062172345279	390mm x 390mm x 45mm	1x Led module

### Choose your accessories

Product description	Product name	EAN10	Package content
Side Mounting Clip	FX-LFBM-G1-BSL-29H13.4-KIT20	4062172346368	40x screw 20x clip kit
Top Mounting Clip	FX-LFBM-G1-BT-29.2H18.5-KIT20	4062172346382	40x screw 20x clip kit
End Cap	FX-LFBM-G1-EC-KIT5	4062172346344	5x end caps 1x glue

### Ecodesign regulation information:

This product is considered to be a “containing product” in the sense of Regulations (EU) 2019/2020 and (EU) 2019/2015. Tolerances of the reported values, are according to LED Modules Performance standard IEC/EN 62717. In general, the replacement of the contained light sources without permanent damage to the product with the use of common available tools is possible in the final application when they can be dismantled from the installation environment and substituted for the necessary number of light sources restoring its full electrical/mechanical/thermal/optical functionality by means of a professional installer.

In the contrary, and limited to the LINEARlight Flex Diffuse, LINEARlight Rigid Finesse, GINO LED Flex Diffuse and LUMINENT Milky product families, the contained light source is an integrated part of the containing product and its removal can only be done by causing a permanent damage to the containing product due to its tight mechanical, electrical, optical, thermal interaction and/or environmental protection with or from the containing product. Therefore, a replacement of the light source with the use of common available tools is not justified.

Dismantling of light sources from containing products at end of life: Containing products with light sources which are scalable in length can be cut to the length of the contained light source and if applicable mechanically detached from protective and/or optical covers. Containing products shall be separated from building material and/or from other additional mounting accessories by means of a professional installer.

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this companies, which accept separate control gear and light sources free of charges. In this way, raw materials are conserved and materials are recycled.

LFB1000-G1-827-30S-BK-05 L2	G
LFB1000-G1-830-30S-BK-05 L2	F
LFB1000-G1-840-30S-BK-05 L2	F
LFB1000-G1-827-60A-BK-05 L2	F
LFB1000-G1-830-60A-BK-05 L2	F
LFB1000-G1-840-60A-BK-05 L2	F

### 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](http://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.

For further information please write to [support-ds@osram.com](mailto:support-ds@osram.com)

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The OSRAM logo is displayed in a bold, orange, sans-serif font.