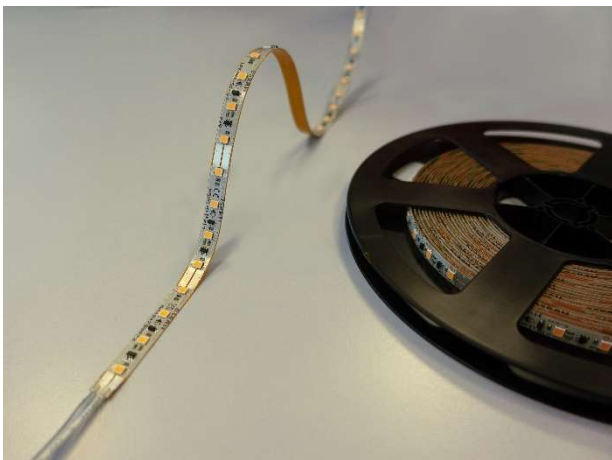


# LINEARlight FLEX INFINITE 24V – IP00

High efficiency flexible LED strip  
LF500I/1500I/3000I/4000I-G1-xxx-24 L1

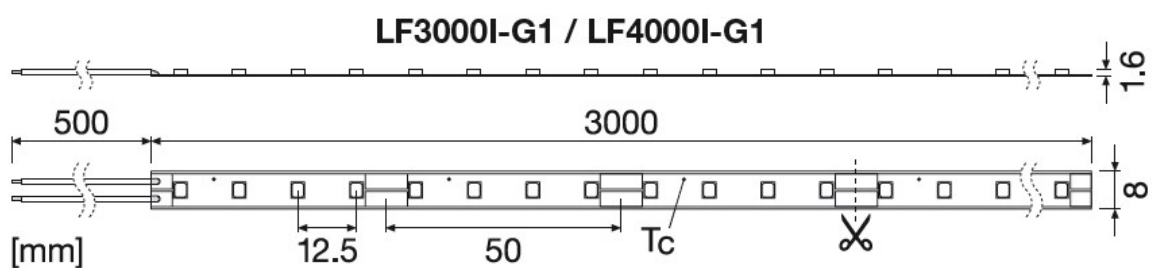
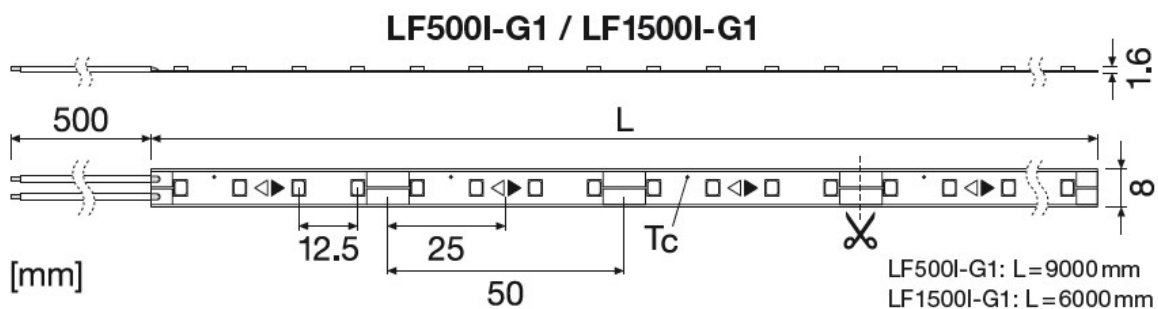


### Features & Benefits

- Flexible and cuttable LED strip up to 25mm
- Luminous flux: up to 4,000 lm/m
- Dimmable with PWM technology
- Color uniformity better than 2 SDCM on the entire LED strip and between strips
- High color fidelity to beautify every design
- High luminous flux
- Large selection of light colors
- Great design freedom thanks to flexibility and cuttability of module
- High-performance silicone for extremely long life and flexibility
- Extraordinary design and high quality materials
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- Pre-wired LED strip, simple and quick plug-and-play installation
- Simplified connection with optional matching CONNECTsystem
- Quick installation with optional SLIM TRACK System
- Perfectly matched to non-isolated OPTOTRONIC electronic control gears
- Made in Italy



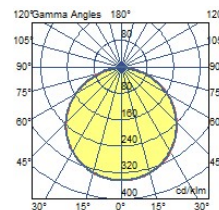
### Technical drawings



Lowest Bending Radius = 20 mm

Product length = Max. operable length

Nominal Voltage	24.0 V
Reverse voltage protection up to	25.0 V
Temperature range in operation @ Tc point	-30 °C...+85 °C
Storage Temperature	-40 °C...+85 °C
Ambient Temperature with profile *	-30 °C...+55 °C



\*max ambient temperature strongly depends from which kind of profile will be used. For this reason, we always recommend to prepare an installation mockup and measure the Tc.

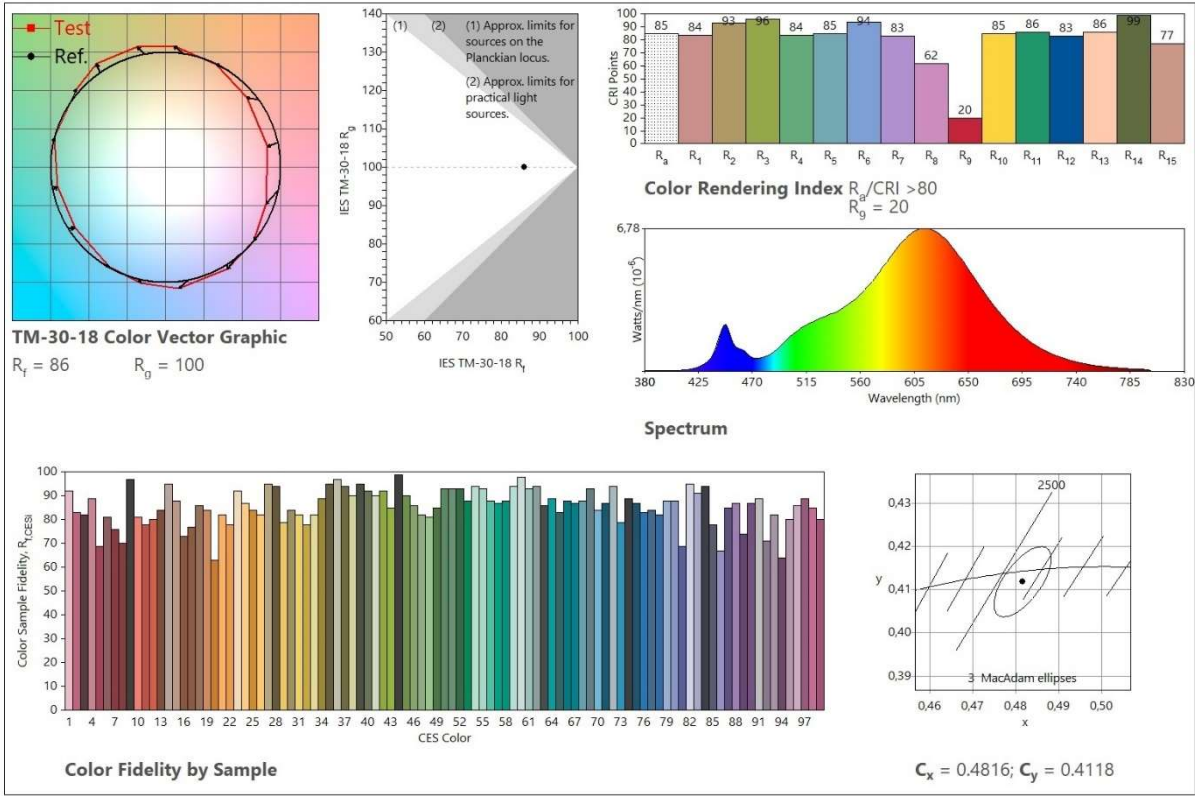
**Technical data**

	CRI 80+	Nominal CCT <small>See color output data</small>	Luminous Flux lm/m	Power W/m	Luminous Efficacy lm/W	Performance Temperature °C	Order Code	Length m
500lm/m	LF500I-G1-824-24-09 L1	2400 K	565	4	141	30	4062172370929	09
	LF500I-G1-827-24-09 L1	2700 K	590	4	148	30	4062172370943	09
	LF500I-G1-830-24-09 L1	3000 K	630	4	158	30	4062172370967	09
	LF500I-G1-840-24-09 L1	4000 K	684	4	171	30	4062172370981	09
1500lm/m	LF1500I-G1-824-24-06 L1	2400 K	1340	9.4	143	36	4062172371087	06
	LF1500I-G1-827-24-06 L1	2700 K	1400	9.4	149	36	4062172371100	06
	LF1500I-G1-830-24-06 L1	3000 K	1500	9.4	160	36	4062172371124	06
	LF1500I-G1-840-24-06 L1	4000 K	1610	9.4	171	36	4062172371148	06
3000lm/m	LF3000I-G1-824-24-03 L1	2400 K	2700	19.2	141	45	4062172371247	03
	LF3000I-G1-827-24-03 L1	2700 K	2810	19.2	146	45	4062172371261	03
	LF3000I-G1-830-24-03 L1	3000 K	3020	19.2	157	45	4062172371285	03
	LF3000I-G1-840-24-03 L1	4000 K	3210	19.2	167	45	4062172371308	03
4000lm/m	LF4000I-G1-824-24-03 L1	2400 K	3450	25.2	137	52	4062172370905	03
	LF4000I-G1-827-24-03 L1	2700 K	3610	25.2	143	52	4062172371346	03
	LF4000I-G1-830-24-03 L1	3000 K	3900	25.2	155	52	4062172371421	03
	LF4000I-G1-840-24-03 L1	4000 K	4020	25.2	160	52	4062172371445	03

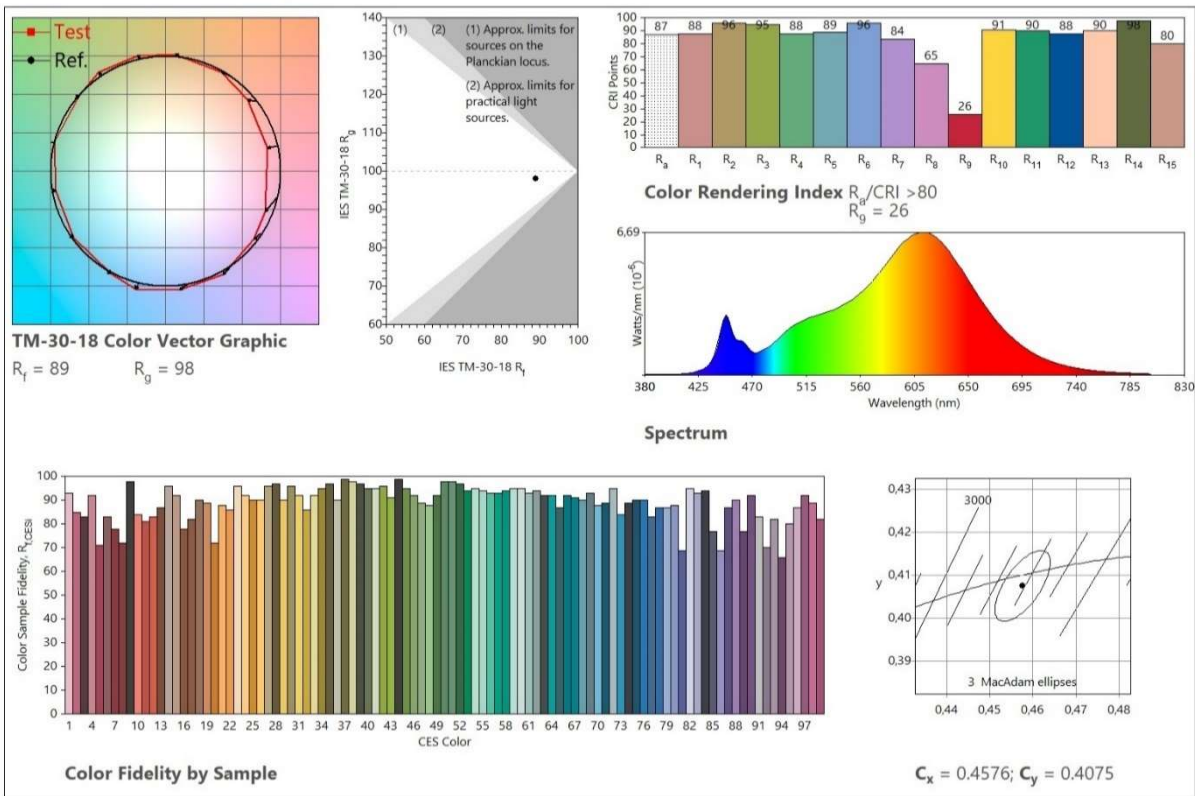
	CRI 90+	Nominal CCT <small>See color output data</small>	Luminous Flux lm/m	Power W/m	Luminous Efficacy lm/W	Performance Temperature °C	Order Code	Length m
500lm/m	LF500I-G1-924-24-09 L1	2400 K	465	4	116	30	4062172371001	09
	LF500I-G1-927-24-09 L1	2700 K	490	4	123	30	4062172371025	09
	LF500I-G1-930-24-09 L1	3000 K	520	4	130	30	4062172371049	09
	LF500I-G1-940-24-09 L1	4000 K	540	4	135	30	4062172371063	09
1500lm/m	LF1500I-G1-924-24-06 L1	2400 K	1110	9.4	118	36	4062172371162	06
	LF1500I-G1-927-24-06 L1	2700 K	1160	9.4	123	36	4062172371186	06
	LF1500I-G1-930-24-06 L1	3000 K	1230	9.4	131	36	4062172371209	06
	LF1500I-G1-940-24-06 L1	4000 K	1300	9.4	138	36	4062172371223	06
3000lm/m	LF3000I-G1-924-24-03 L1	2400 K	2220	19.2	116	45	4062172371322	03
	LF3000I-G1-927-24-03 L1	2700 K	2310	19.2	120	45	4062172371360	03
	LF3000I-G1-930-24-03 L1	3000 K	2470	19.2	129	45	4062172371384	03
	LF3000I-G1-940-24-03 L1	4000 K	2600	19.2	135	45	4062172371407	03
4000lm/m	LF4000I-G1-924-24-03 L1	2400 K	2850	25.2	113	52	4062172371629	03
	LF4000I-G1-927-24-03 L1	2700 K	2990	25.2	119	52	4062172371865	03
	LF4000I-G1-930-24-03 L1	3000 K	3200	25.2	127	52	4062172371988	03
	LF4000I-G1-940-24-03 L1	4000 K	3350	25.2	133	52	4062172372008	03

Color output data CRI 80+

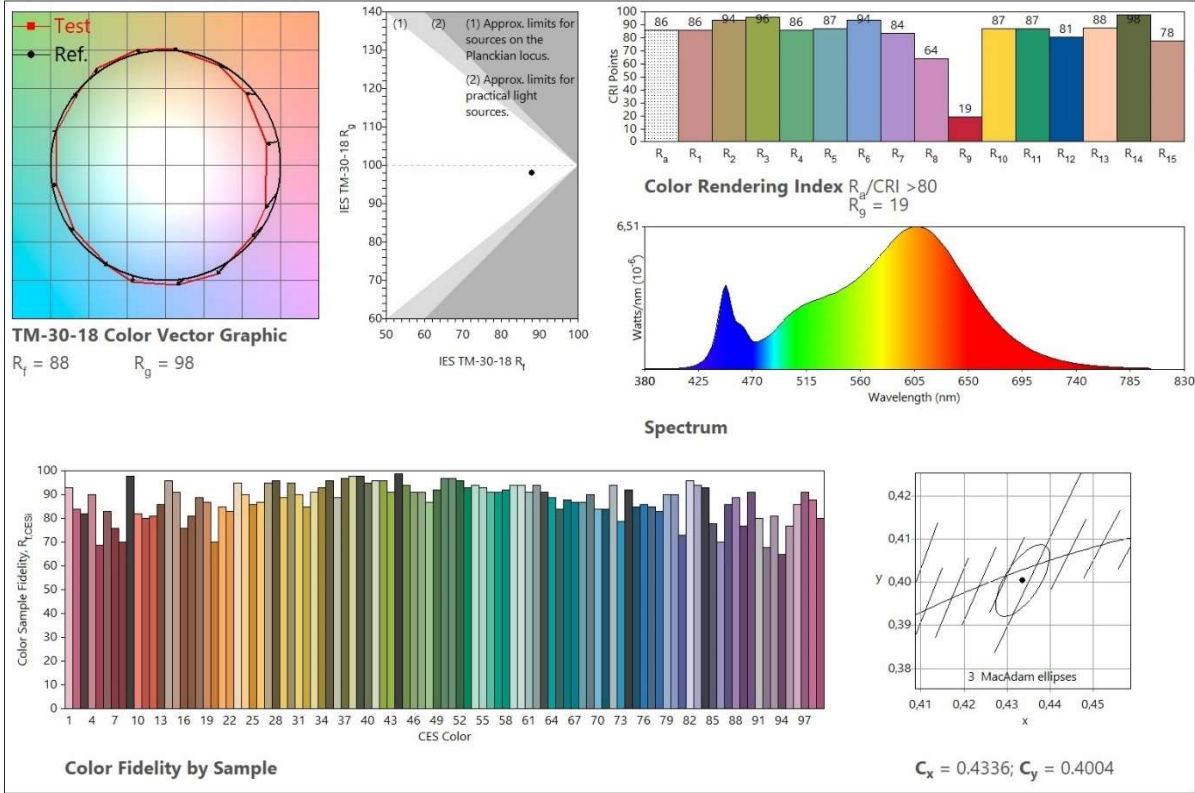
LFxx00I-G1-824-24-yy L1



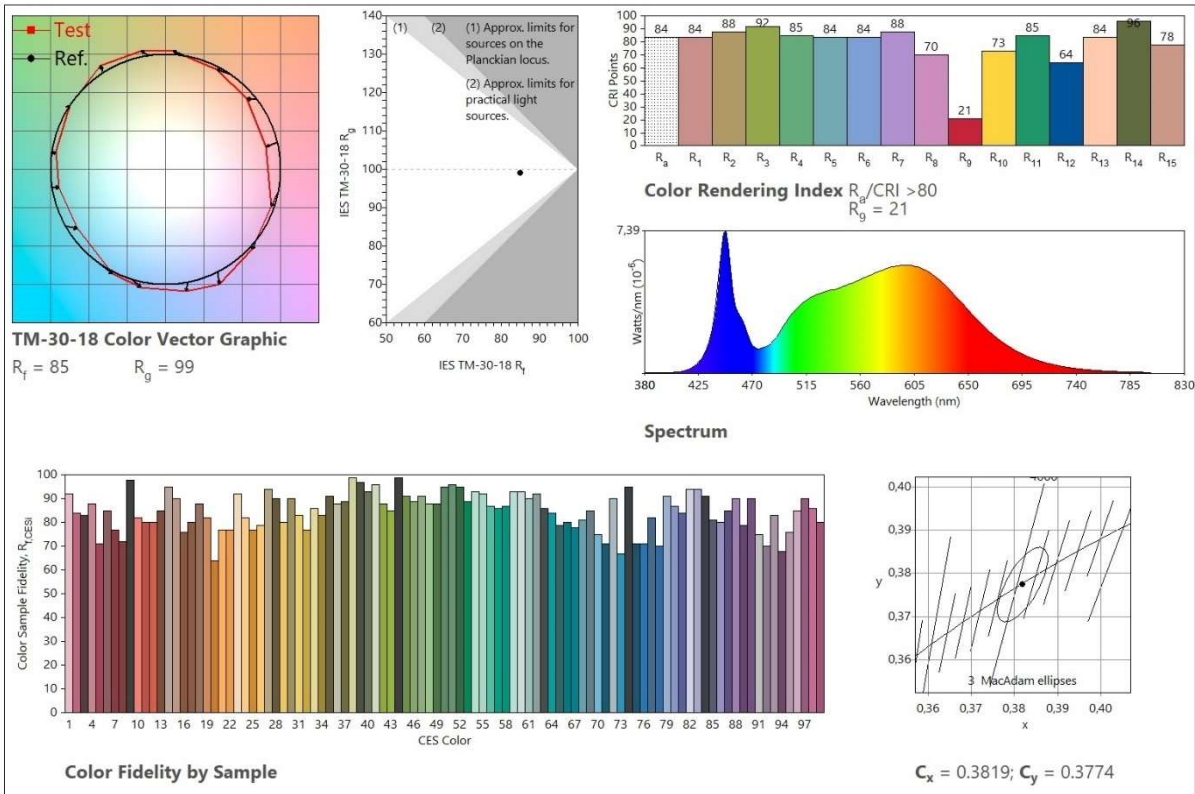
LFxx00I-G1-827-24-yy L1



**LFxx00I-G1-830-24-yy L1**

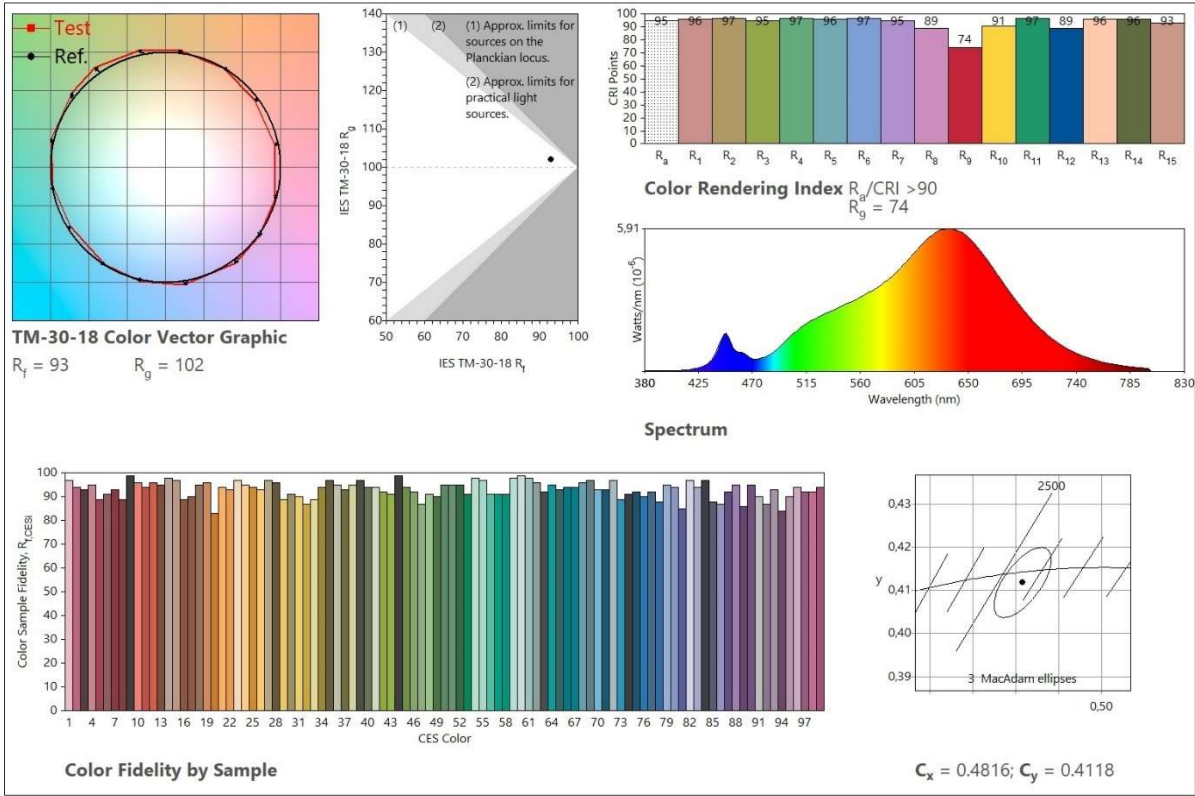


**LFxx00I-G1-840-24-yy L1**

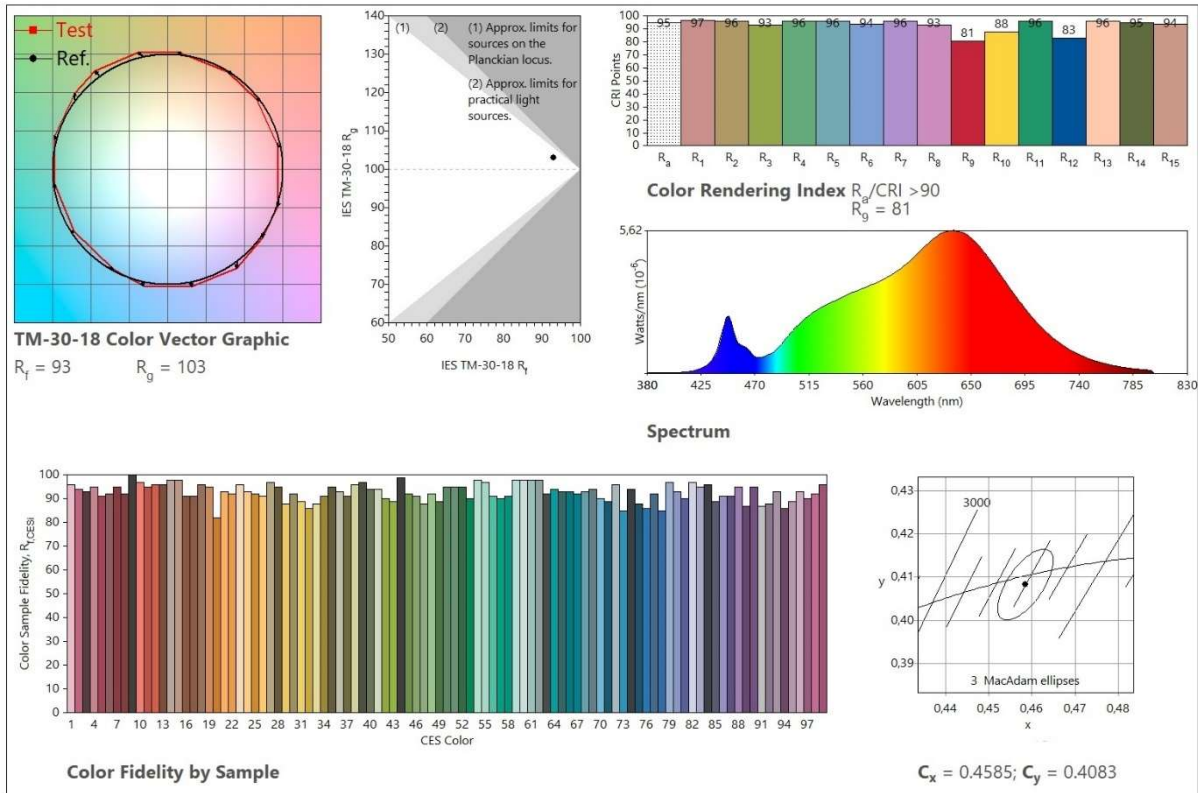


Color output data CRI 90+

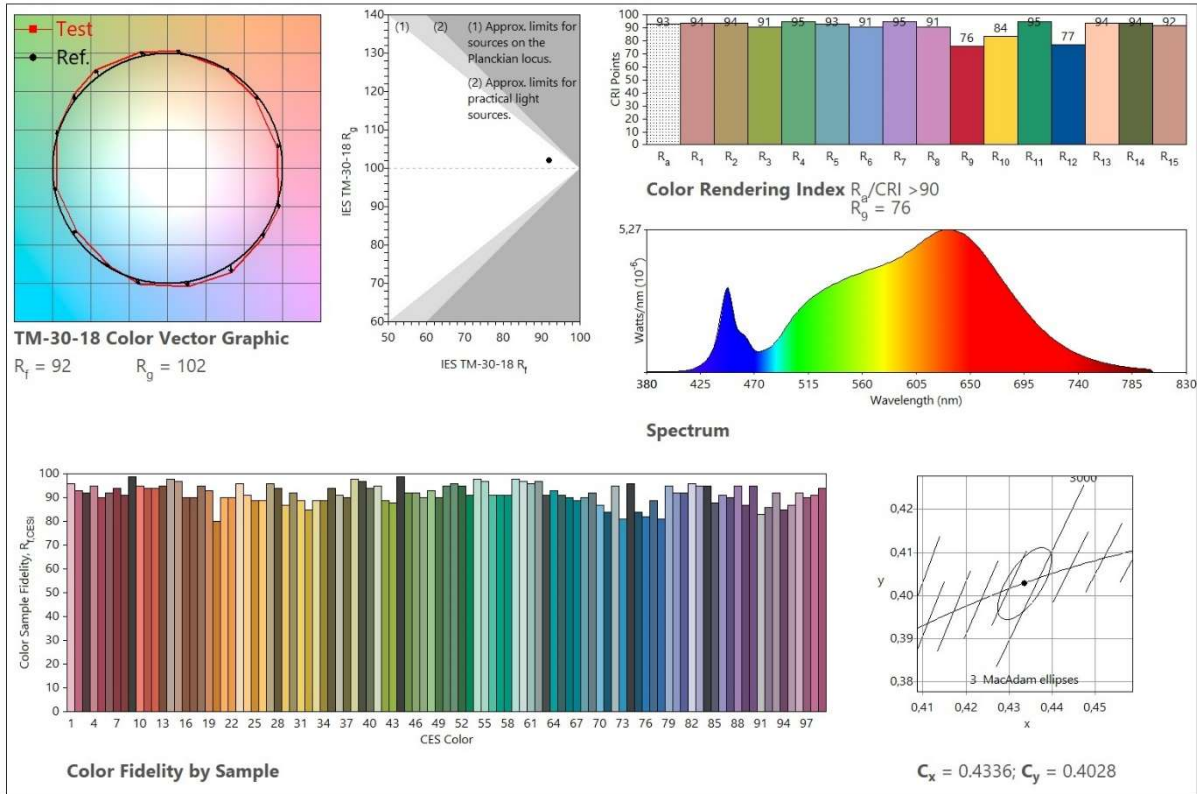
LFxx00I-G1-924-24-yy L1



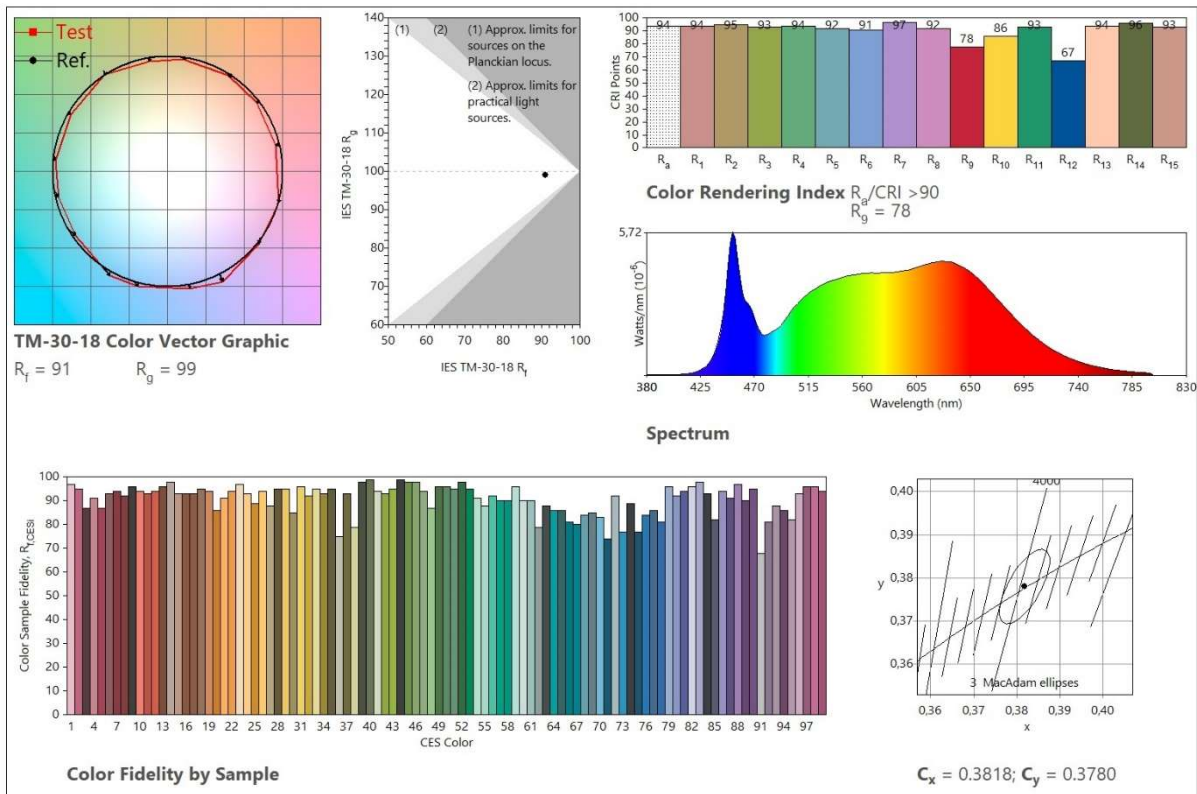
LFxx00I-G1-927-24-yy L1



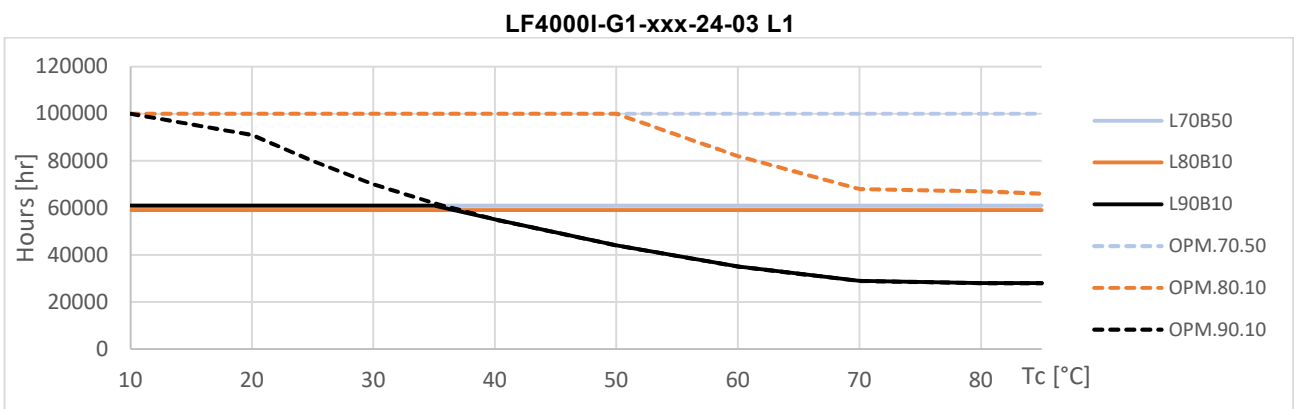
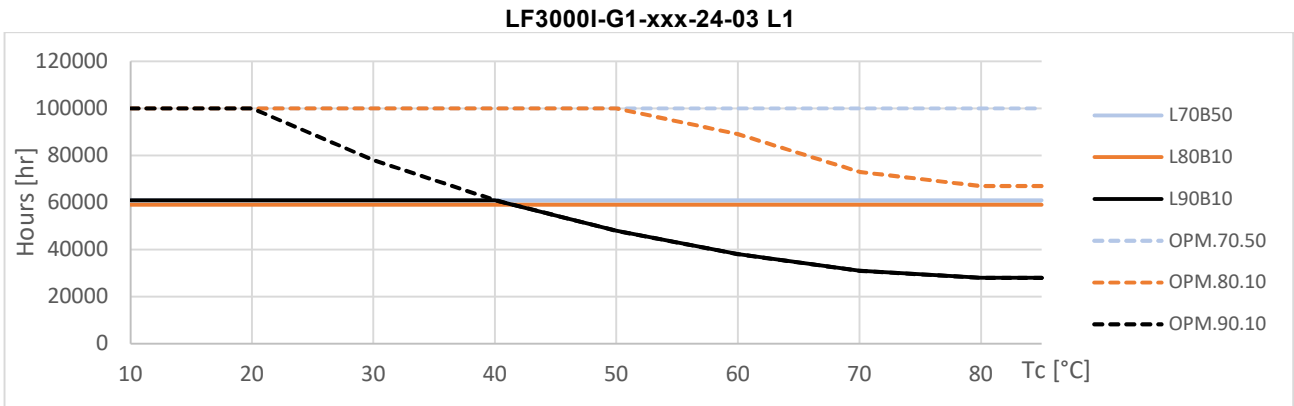
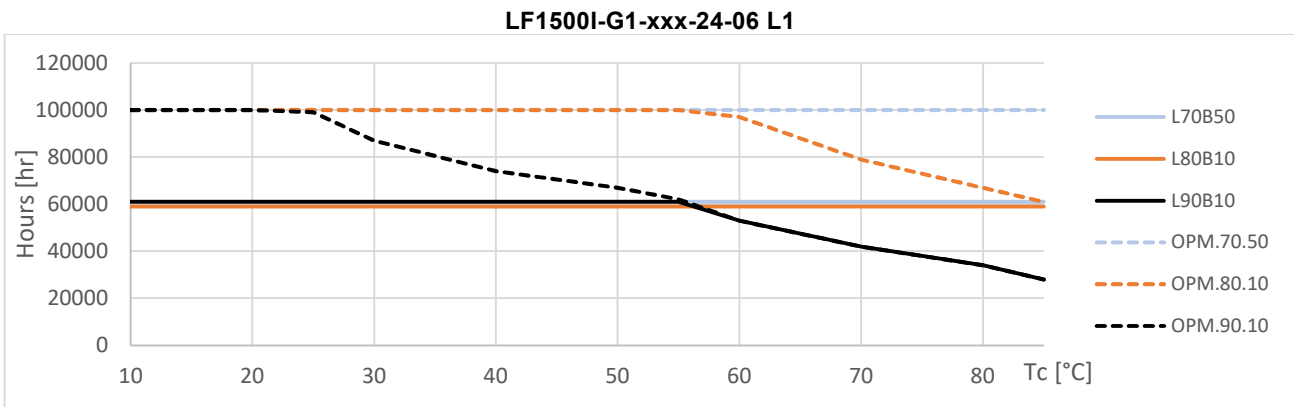
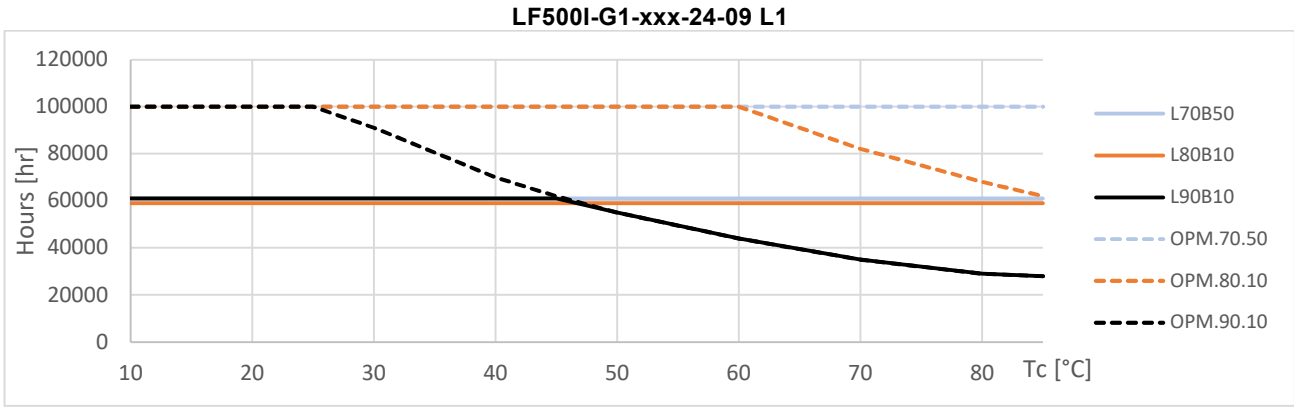
### LFxx00I-G1-930-24-yy L1



### LFxx00I-G1-940-24-yy L1



**Lifetime chart**








OPM70.50 / OPM80.10 / OPM90.10: Osram Predictive Models based on internal tests and know-how.

**Packaging content**

Product type	EAN10 Package content
LF500I-G1-xxx-24-09 L1	1 x Led strip
LF1500I-G1-xxx-24-06 L1	1 x Led strip
LF3000I-G1-xxx-24-03 L1	1 x Led strip
LF4000I-G1-xxx-24-03 L1	1 x Led strip

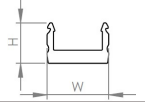
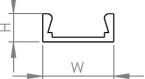
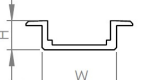
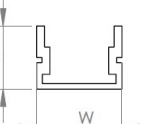
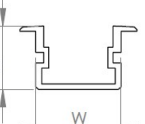
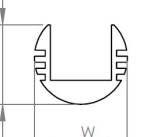
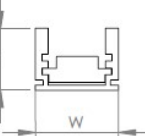
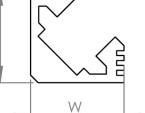
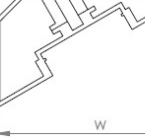
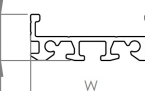
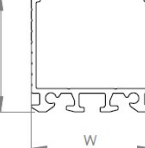
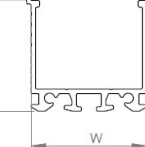
### Optional Accessories

Product Type	Product description	Product code (EAN10)	EAN10 Package content
 <b>2pin Connector 500mm cable</b>	<b>CONN-FLEX-2P-050 KIT 10PCS</b>	4062172179591	10 x Connectors
 <b>2pin Connector 2000mm cable</b>	<b>CONN-FLEX-2P-200 KIT 10PCS</b>	4062172179614	10 x Connectors
 <b>Jumper</b>	<b>FX-SC08-G2-CT4PJ</b>	4052899464858	25 x Jumpers
 <b>Bridge 30 mm cable</b>	<b>CORNER-FLEX-4P-003 KIT 10PCS</b>	4062172179638	10 x Bridges
 <b>Bridge 150 mm cable</b>	<b>CORNER-FLEX-4P-015 KIT 10PCS</b>	4062172179676	10 x Bridges

**Note:** All LINEARlight Flex LED strips are fully compatible with OSRAM OT and OTi LED drivers and dimmers.



**Profile System thermal compatibility**

Track Type	Dimension WxH	Product description	SURFACE MOUNTING			RECESSED MOUNTING		
			LF500I LF1500I	LF3000I	LF4000I	LF500I LF1500I	LF3000I	LF4000I
	14.5x9.5 mm	<b>LTS-SLIMTRACK-2000</b> EAN:4062172207300	55 °C	55 °C	45 °C	55 °C	45 °C	40 °C
	15x6 mm	<b>FX-QMS-G1-TU15H6-300</b> EAN:4052899448865	55 °C	50 °C	40 °C	55 °C	45 °C	35 °C
	15x6 mm	<b>FX-QMS-G2-TU15H6W3-300</b> EAN:4052899448889	55 °C	50 °C	40 °C	55 °C	45 °C	40 °C
	16x12 mm	<b>FX-QMS-G2-TU16H12-300</b> EAN:4052899448964	55 °C	50 °C	45 °C	55 °C	45 °C	40 °C
	16x12 mm	<b>FX-QMS-G1-TU16H12W3-300</b> EAN:4052899448995	55 °C	50 °C	45 °C	55 °C	45 °C	40 °C
	19x16 mm	<b>FX-QMS-G1-TR19H16-300</b> EAN:4052899449008	55 °C	50 °C	45 °C	55 °C	45 °C	40 °C
	16x12 mm	<b>FX-QMS-G1-TU16H12LS-300</b> EAN:4052899449046	55 °C	50 °C	45 °C	55 °C	45 °C	40 °C
	19x19 mm	<b>FX-QMS-G1-T45D19H19-300</b> EAN:4052899448667	55 °C	55 °C	50 °C	55 °C	55 °C	45 °C
	46 x 27 mm	<b>FX-QMW-G1-TK30D46H27-300</b> EAN:4052899448827	55 °C	55 °C	55 °C	55 °C	55 °C	50 °C
	26x10 mm	<b>FX-QMW-G2-TU26H10-200</b> EAN: 4062172342636	55 °C	55 °C	45 °C	55 °C	50 °C	40 °C
	26x25 mm	<b>FX-QMW-G2-TU26H25-200</b> EAN: 4062172342612	55 °C	55 °C	55 °C	55 °C	55 °C	50 °C
	26x25 mm	<b>FX-QMW-G2-TU26H25W10-200</b> EAN: 4062172342575	55 °C	55 °C	55 °C	55 °C	55 °C	50 °C

## Customizations

LINEARlight FLEX INFINITE 24V can also meet the customer needs with additional and different versions that are not available in the standard portfolio.

Here below are reported some solutions that we can provide to the customers.



INFINITE family is available from 2400K up to 4000K. Warmer or Colder CCT can be provided on request.



INFINITE family is available in 4 lumen packages. Different lm/m solutions can be provided on request.



INFINITE family is available with 3 different lengths. Longer reels (30, 40,...meters) can be provided on request. The maximum operable length will be the same of the standard product.



INFINITE products can be available with different operable lengths than defined in the standard portfolio.



INFINITE family is available with a flat cable soldered on one end. Different connection systems can be provided on request.

For further information please write to [support@inventronicsglobal.com](mailto:support@inventronicsglobal.com) or consult our Flex Poster at <https://www.inventronics-light.com/flex-poster>.

Inventronics is a licensee of ams OSRAM. OSRAM is a trademark of ams OSRAM.

## 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: <https://www.inventronics-light.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.