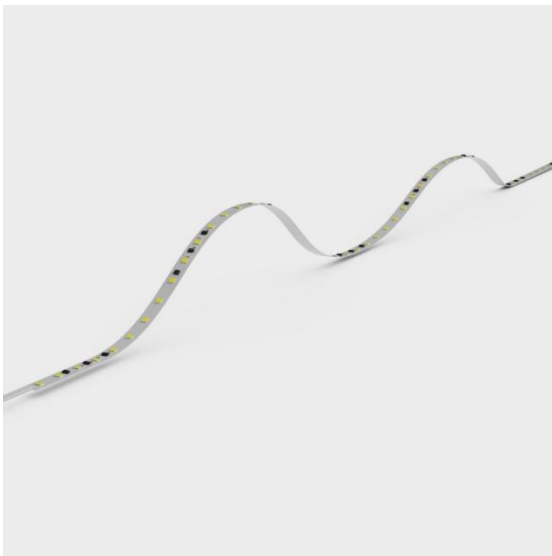


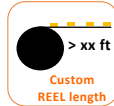
LINEARlight FLEX INFINITE 24V – IP00

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



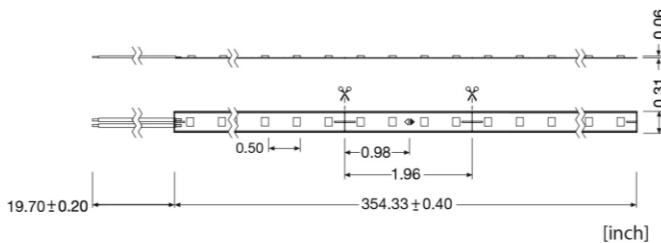
Features & Benefits

- Flexible and cuttable LED strip up to 0.98"
- Luminous flux: up to 1220 lm/ft.
- LEDs per foot: 24 led/ft
- 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

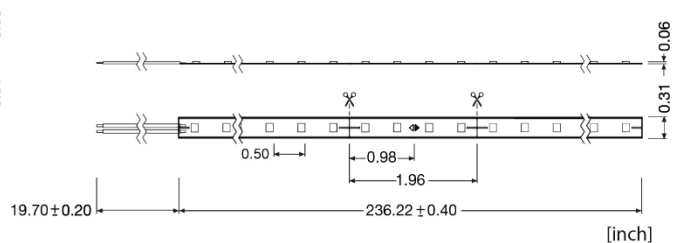


Technical drawings

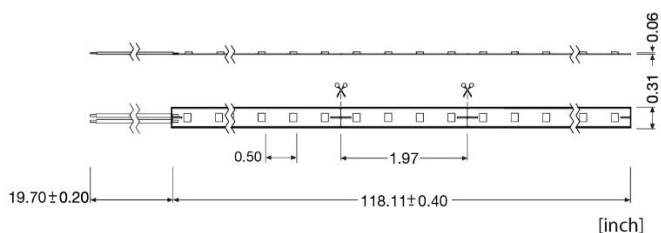
LF500I-G1



LF1500I-G1

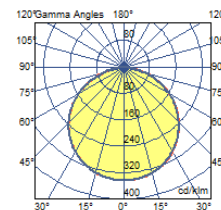


LF3000I-G1/LF4000I-G1



Lowest Bending Radius = 0,78"
Product length = Max. operable length

Nominal Voltage	24.0 V
Reverse voltage protection up to	25.0 V
Temperature range in operation @ Tc point	-22 °F...+185 °F
Storage Temperature	-40 °F...+185 °F
Ambient Temperature with profile **	-22 °F...+131 °F



**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.

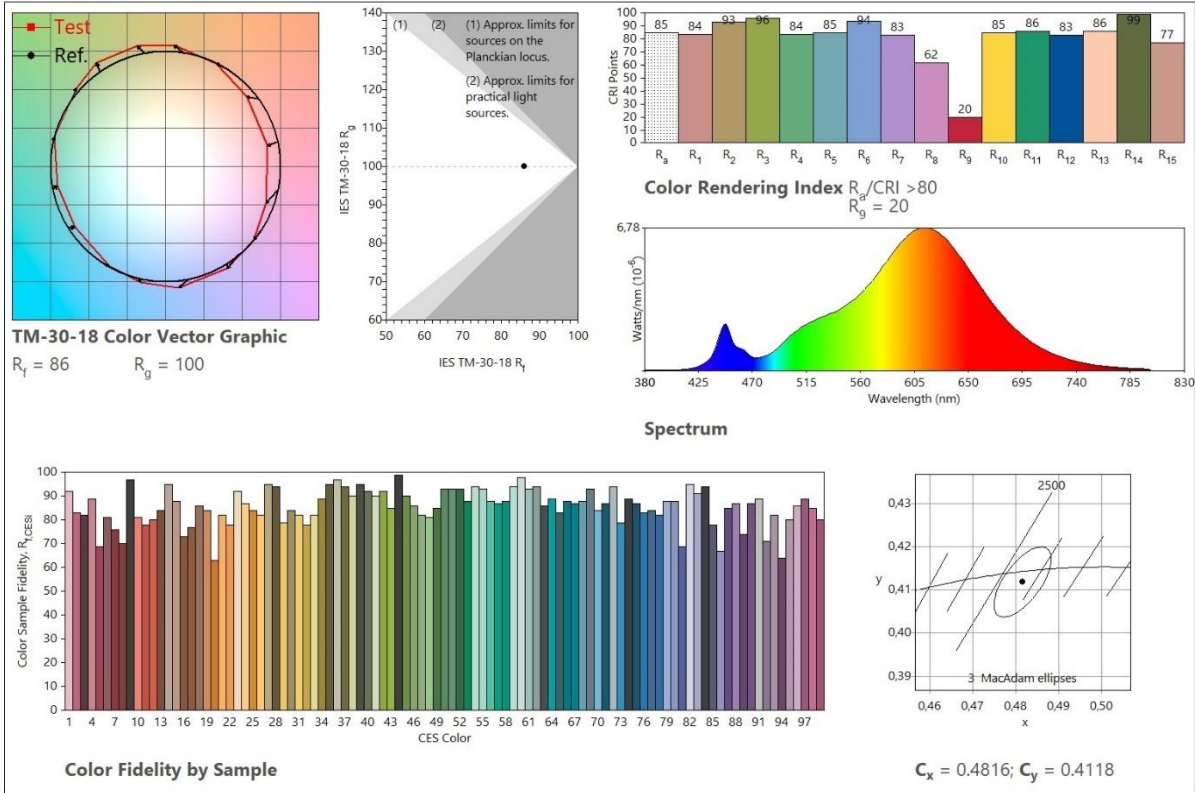
Technical data

	CRI 80+	Nominal CCT <small>See color output data</small>	Luminous Flux lm/ft.	Power W/ft.	Luminous Efficacy lm/W	Performance Temperature °C	Order Code	Length ft.
500lm/m	LF500I-G1-824-24-09 L1	2400 K	172	1,2	141	86	6937186116536	29,5
	LF500I-G1-827-24-09 L1	2700 K	180	1,2	148	86	6937186116550	29,5
	LF500I-G1-830-24-09 L1	3000 K	192	1,2	158	86	6937186116574	29,5
	LF500I-G1-840-24-09 L1	4000 K	208	1,2	171	86	6937186116598	29,5
1500lm/m	LF1500I-G1-824-24-06 L1	2400 K	408	2,9	143	96	6937186116697	19,7
	LF1500I-G1-827-24-06 L1	2700 K	427	2,9	149	96	6937186116710	19,7
	LF1500I-G1-830-24-06 L1	3000 K	457	2,9	160	96	6937186116734	19,7
	LF1500I-G1-840-24-06 L1	4000 K	491	2,9	171	96	6937186116758	19,7
3000lm/m	LF3000I-G1-824-24-03 L1	2400 K	823	5,9	141	113	6937186116857	9,8
	LF3000I-G1-827-24-03 L1	2700 K	856	5,9	146	113	6937186116871	9,8
	LF3000I-G1-830-24-03 L1	3000 K	920	5,9	157	113	6937186116895	9,8
	LF3000I-G1-840-24-03 L1	4000 K	978	5,9	167	113	6937186116918	9,8
4000lm/m	LF4000I-G1-824-24-03 L1	2400 K	1052	7,7	137	125	6937186117014	9,8
	LF4000I-G1-827-24-03 L1	2700 K	1100	7,7	143	125	6937186117038	9,8
	LF4000I-G1-830-24-03 L1	3000 K	1189	7,7	155	125	6937186117052	9,8
	LF4000I-G1-840-24-03 L1	4000 K	1225	7,7	160	125	6937186117076	9,8

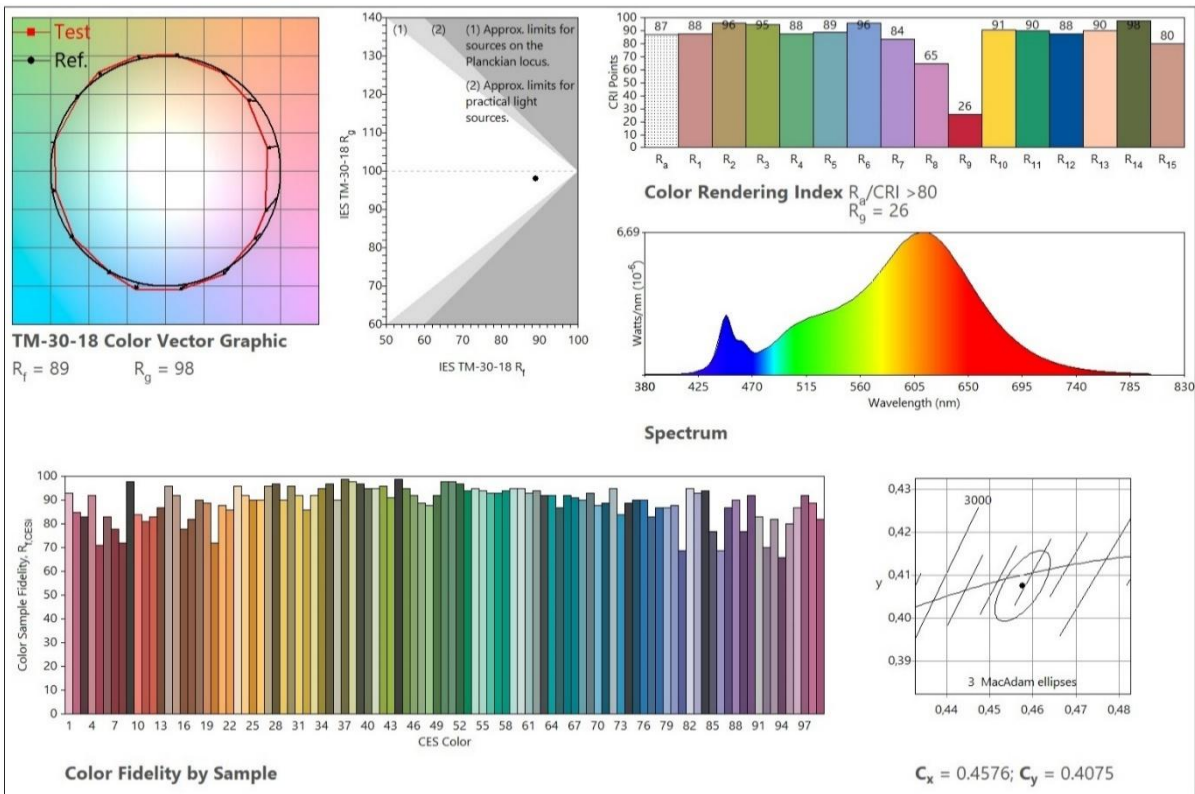
	CRI 90+	Nominal CCT <small>See color output data</small>	Luminous Flux lm/ft.	Power W/ft.	Luminous Efficacy lm/W	Performance Temperature °C	Order Code	Length ft.
500lm/m	LF500I-G1-924-24-09 L1	2400 K	142	1,2	116	86	6937186116611	29,5
	LF500I-G1-927-24-09 L1	2700 K	149	1,2	123	86	6937186116635	29,5
	LF500I-G1-930-24-09 L1	3000 K	158	1,2	130	86	6937186116659	29,5
	LF500I-G1-940-24-09 L1	4000 K	165	1,2	135	86	6937186116673	29,5
1500lm/m	LF1500I-G1-924-24-06 L1	2400 K	338	2,9	118	96	6937186116772	19,7
	LF1500I-G1-927-24-06 L1	2700 K	354	2,9	123	96	6937186116796	19,7
	LF1500I-G1-930-24-06 L1	3000 K	375	2,9	131	96	6937186116819	19,7
	LF1500I-G1-940-24-06 L1	4000 K	396	2,9	138	96	6937186116833	19,7
3000lm/m	LF3000I-G1-924-24-03 L1	2400 K	677	5,9	116	113	6937186116932	9,8
	LF3000I-G1-927-24-03 L1	2700 K	704	5,9	120	113	6937186116956	9,8
	LF3000I-G1-930-24-03 L1	3000 K	753	5,9	129	113	6937186116970	9,8
	LF3000I-G1-940-24-03 L1	4000 K	792	5,9	135	113	6937186116994	9,8
4000lm/m	LF4000I-G1-924-24-03 L1	2400 K	869	7,7	113	125	6937186117090	9,8
	LF4000I-G1-927-24-03 L1	2700 K	911	7,7	119	125	6937186117113	9,8
	LF4000I-G1-930-24-03 L1	3000 K	975	7,7	127	125	6937186117137	9,8
	LF4000I-G1-940-24-03 L1	4000 K	1021	7,7	133	125	6937186117151	9,8

Color output data CRI 80+

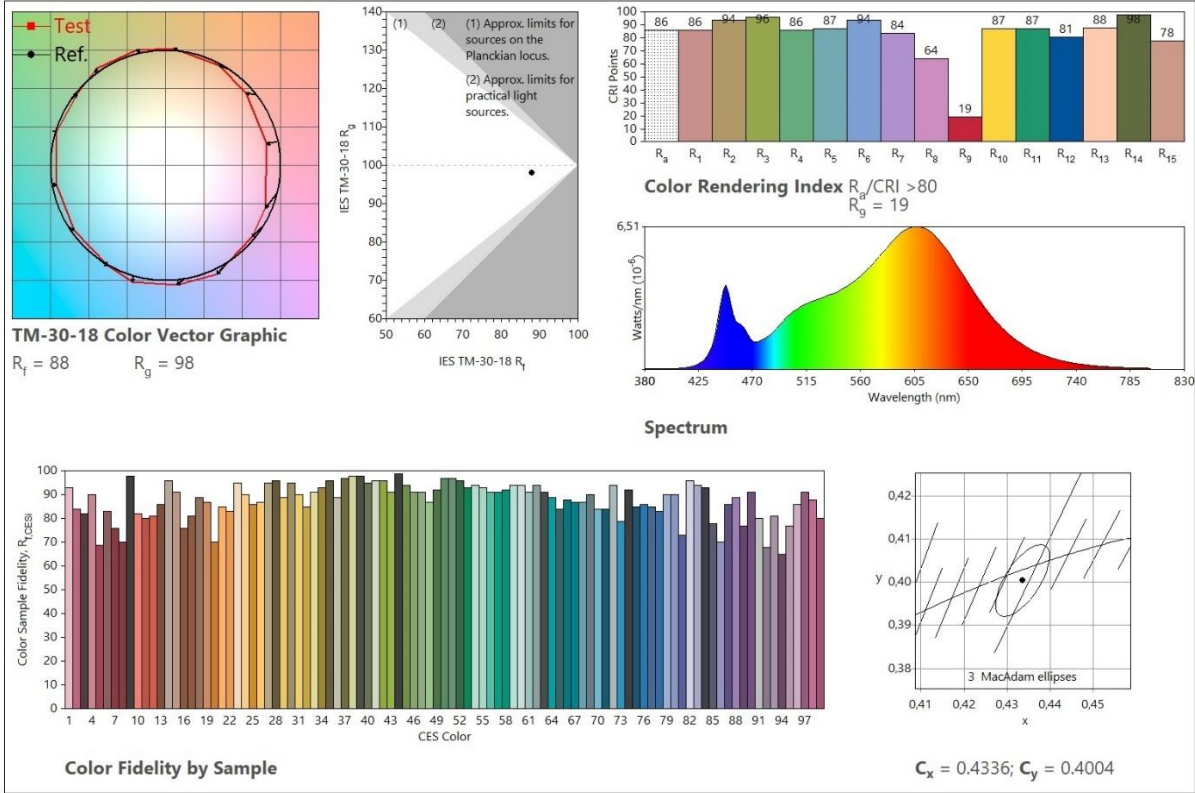
LFxx00I-G1-824-24-yy L1



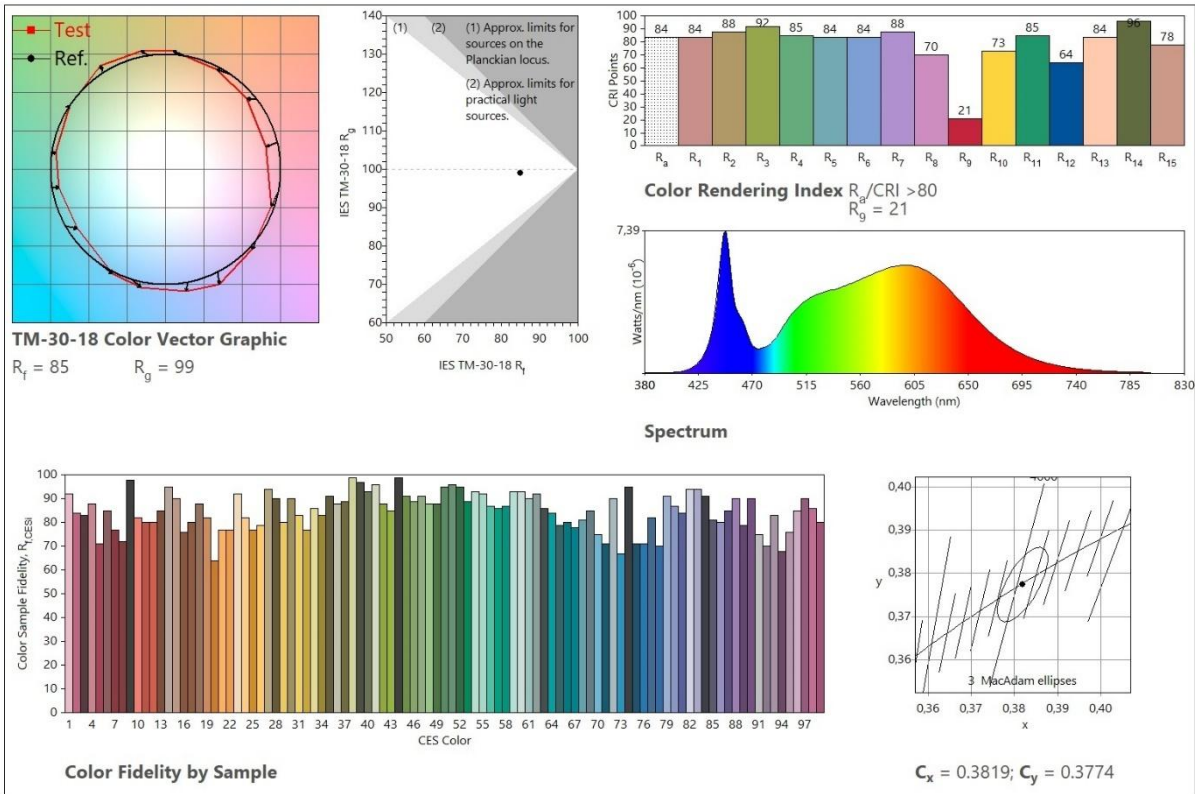
LFxx00I-G1-827-24-yy L1



LFxx00I-G1-830-24-yy L1

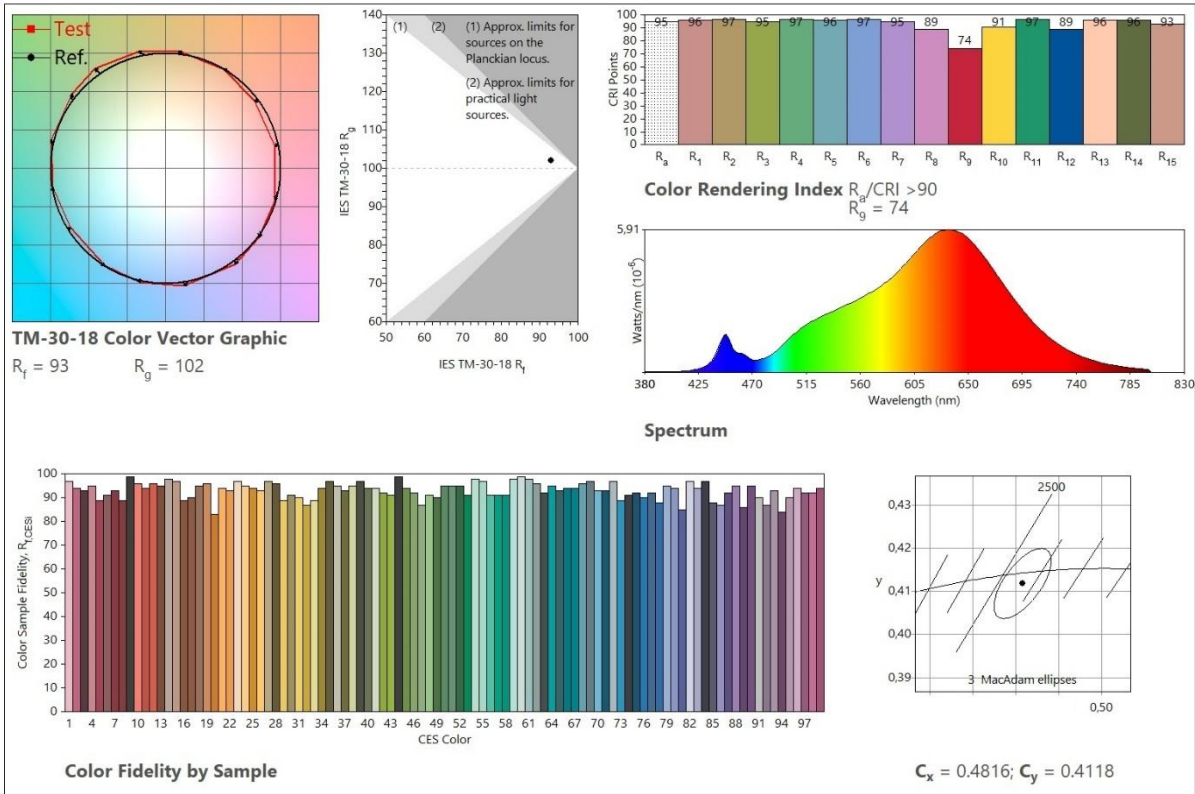


LFxx00I-G1-840-24-yy L1

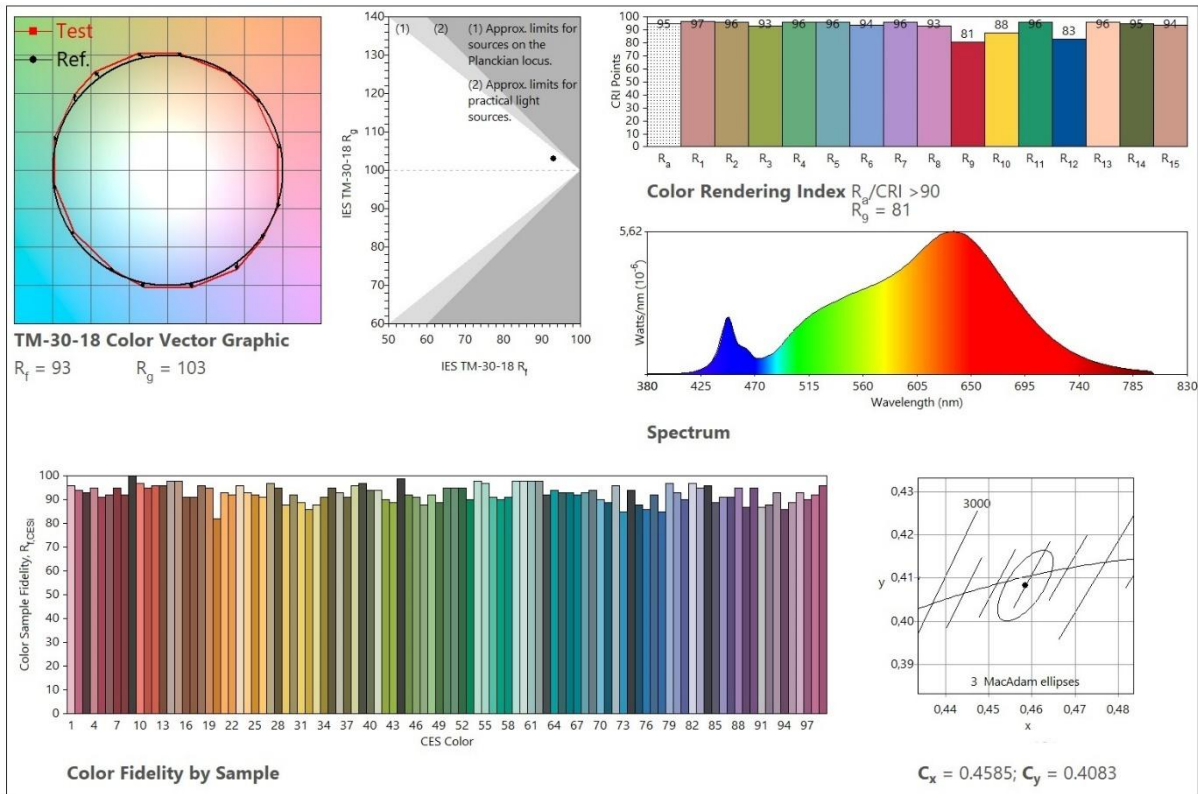


Color output data CRI 90+

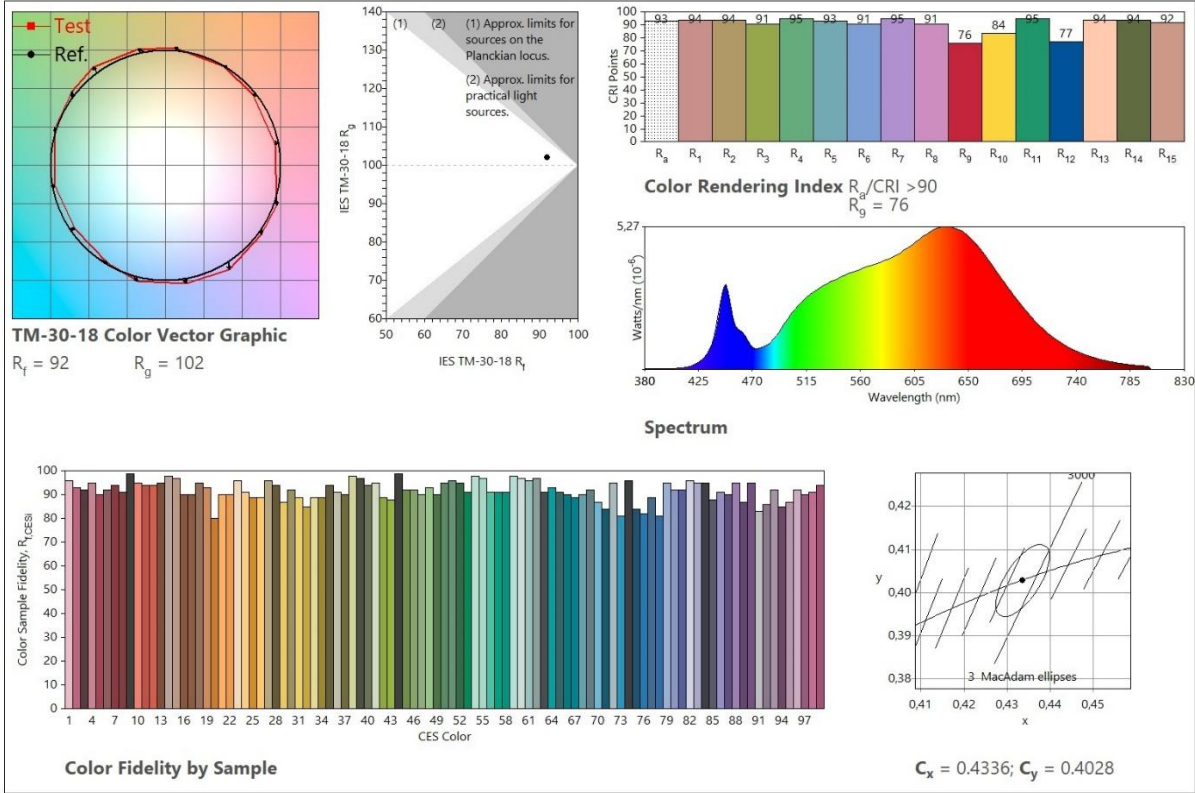
LFxx00I-G1-924-24-yy L1



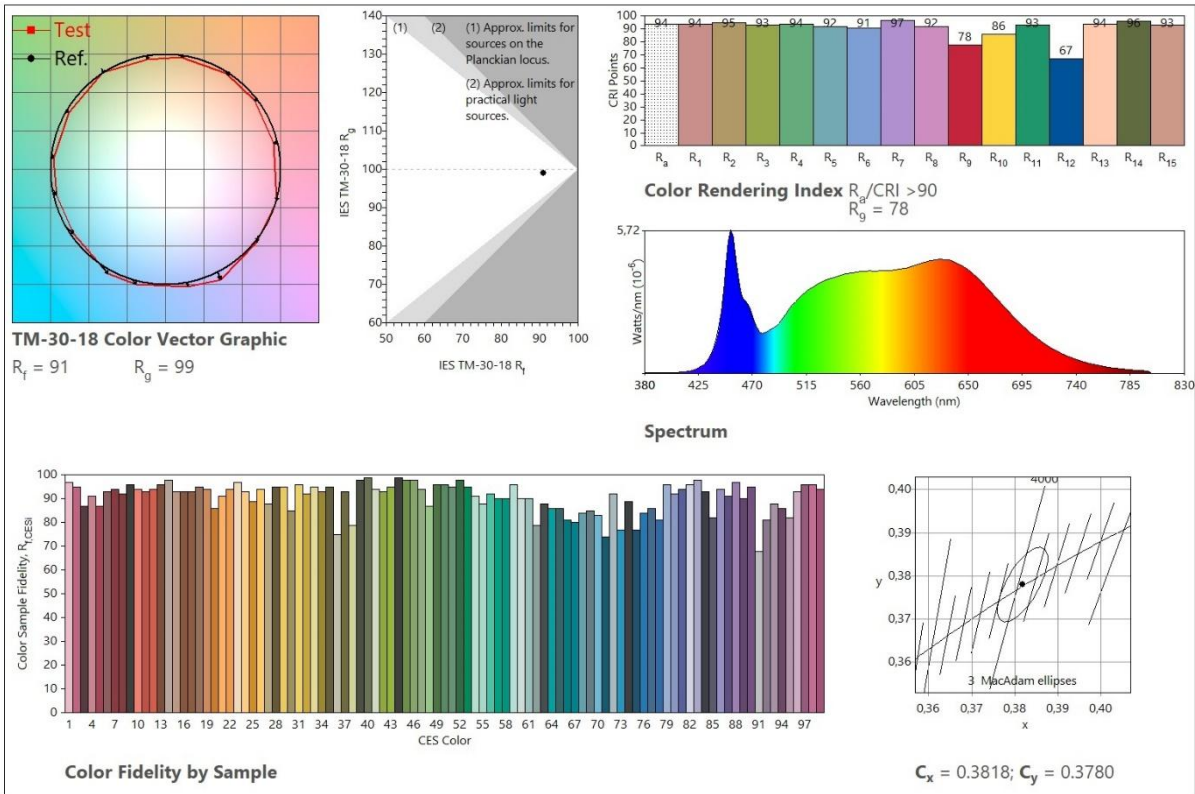
LFxx00I-G1-927-24-yy L1



LFxx00I-G1-930-24-yy L1

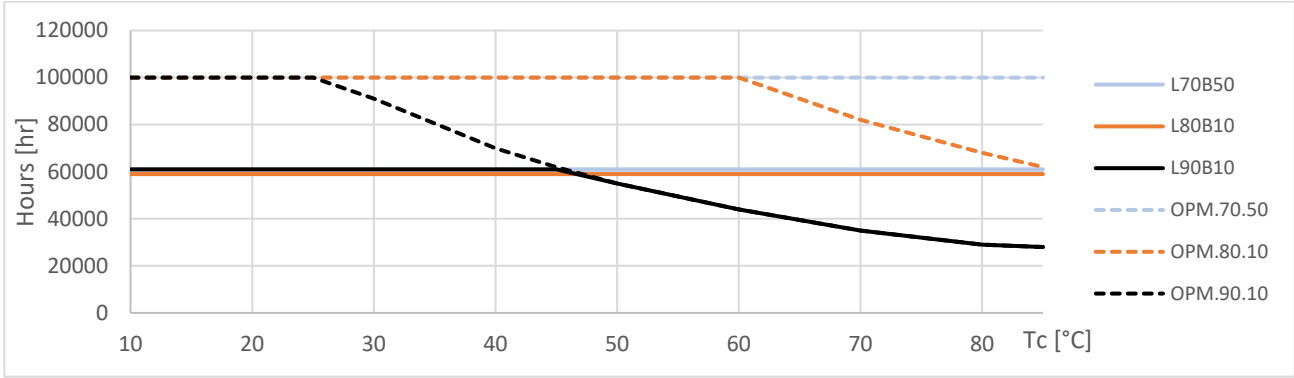


LFxx00I-G1-940-24-yy L1

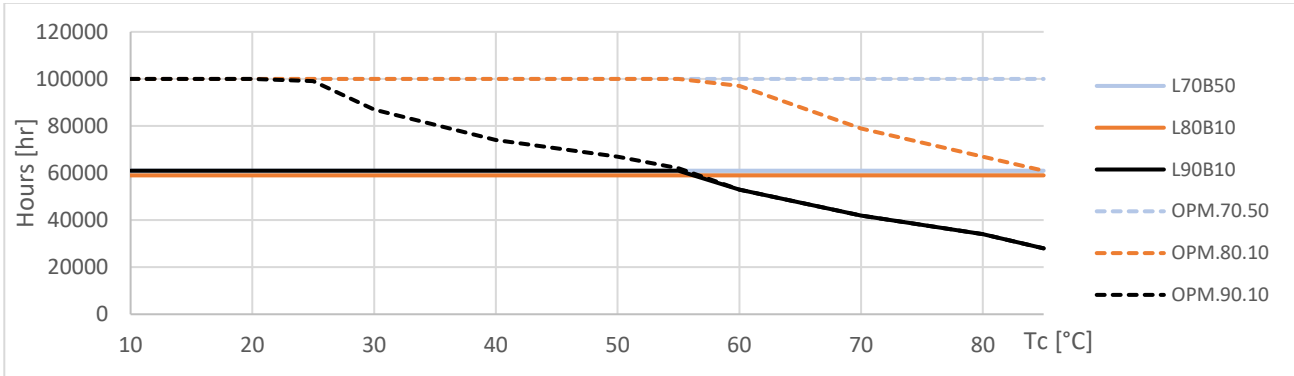


Lifetime chart

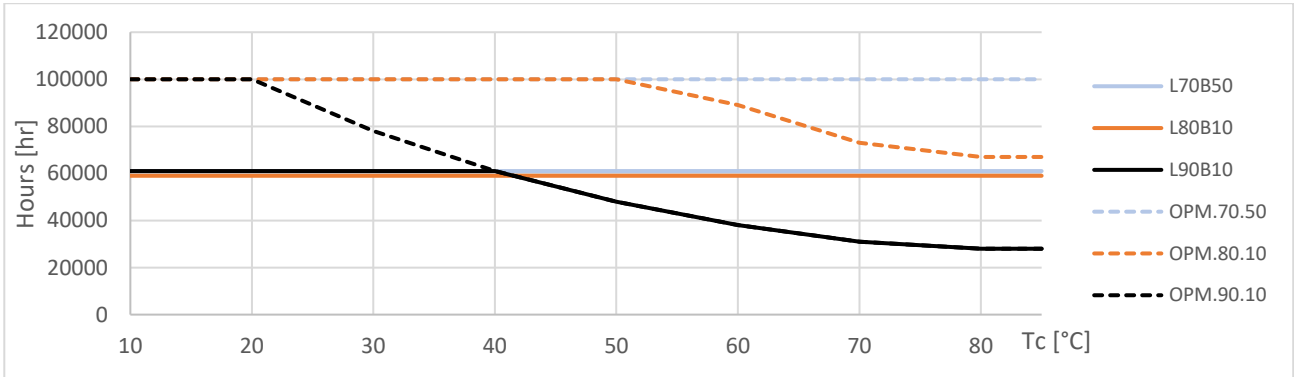
LF500I-G1-xxx-24-09 L1



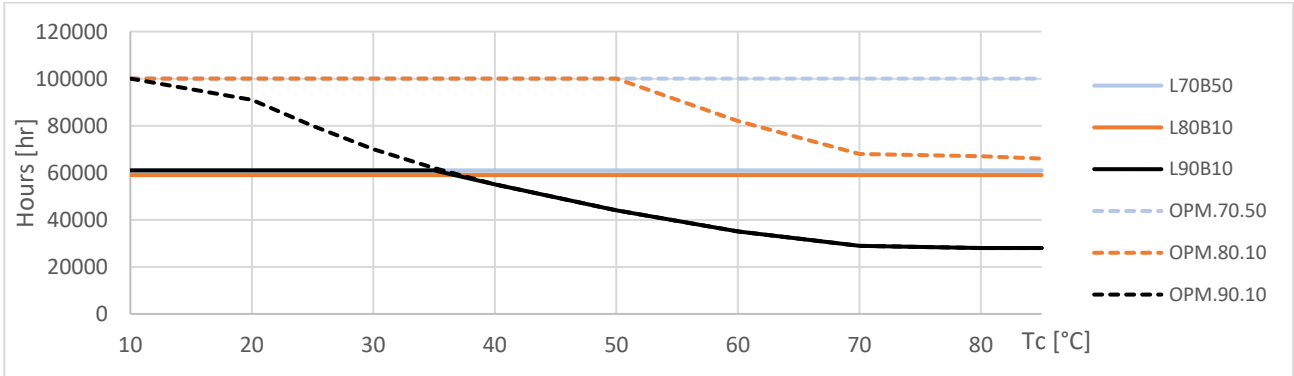
LF1500I-G1-xxx-24-06 L1



LF3000I-G1-xxx-24-03 L1



LF4000I-G1-xxx-24-03 L1







OPM70.50 / OPM80.10 / OPM90.10: Inventronics 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
 2pin Connector 19.7" cable	CONN-FLEX-2P-050 KIT 10PCS	6937186141088	10 x Connectors
 2pin Connector 78.7" cable	CONN-FLEX-2P-200 KIT 10PCS	6937186141101	10 x Connectors
 Bridge 1,2" cable	CORNER-FLEX-4P-003 KIT 10PCS	6937186141262	10 x Bridges
 Bridge 5,9" mm cable	CORNER-FLEX-4P-015 KIT 10PCS	6937186141286	10 x Bridges

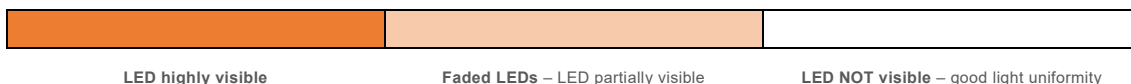
Note: All LINEARlight Flex LED strips are fully compatible with INVENTRONICS OT and OTi LED drivers and dimmers.

Profile System

In the following tables are reported:

- **MAX TAMB:** max ambient temperature at which led module and the aluminum profile can be used without exceeding the T_{cmax};
- **OPTICAL PERFORMANCES - VISIBILITY OF LED SPOT:** parameter that indicates, for each aluminum profile + cover, if the LED spots are visible or if the system can provide a uniform light homogeneity along the cover emitting surface;

Legend:



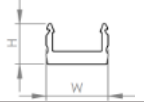
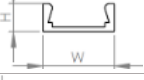
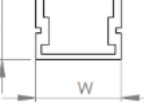
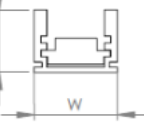
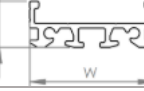

- **OPTICAL PERFORMANCES - OPTICAL EFFICIENCY:** it represents, in percentage, the amount of light lost due to the system used. If the percentage is not available, it means that the cover does not exist or can not be used

Eg: LF1500I-G1-824-24-06 L1 + LTS-SLIMTRACK-2000 + Flat Cover transparent

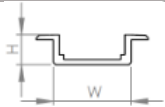
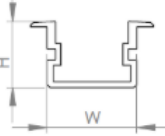
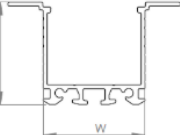
408 lm/ft. x (-20%) = 327lm/ft.

327 lm/ft. is the lumen output outside the system.



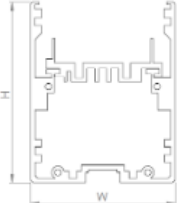
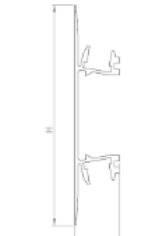
SURFACE INSTALLATION

Track Type	Dimension WxH	Product description	Max Tamb [°F]			OPTICAL PERFORMANCES (VISIBILITY of LED SPOT / OPTICAL EFFICIENCY)		
			LF500I LF1500I	LF3000I	LF4000I	Flat Cover Transparent	Flat Cover Frosted or Opal	Round Cover Frosted or lens
	0,6x0,4 inches	LTS-SLIMTRACK-2000 EAN:6937186141200	131 °F	131 °F	113 °F	-20%	-35%	-40%
	0,6x0,23 inches	FX-QMS-G2-TU15H6-300 EAN:6937186130860	131 °F	122 °F	104 °F	-15%	-40%	--
	0,63x0,47 inches	FX-QMS-G1-TU16H12-300 EAN:6937186126740	131 °F	122 °F	113 °F	-24%	-45%	--
	0,63x0,47 inches	FX-QMS-G1-TU16H12LS-300 EAN:6937186148421	131 °F	122 °F	113 °F	--	--	-30%
	1x0,4 inches	FX-QMW-G2-TU26H10-200 EAN: 6937186126849	131 °F	131 °F	113 °F	--	--	-30%
	1x0,9 inches	FX-QMW-G2-TU26H25-200 EAN: 6937186126825	131 °F	131 °F	131 °F	--	-55%	-50%

RECESSED INSTALLATION

Track Type	Dimension WxH	Product description	Max Tamb [°F]			OPTICAL PERFORMANCES (VISIBILITY of LED SPOT / OPTICAL EFFICIENCY)		
			LF500I LF1500I	LF3000I	LF4000I	Flat Cover Transparent	Flat Cover Frosted or Opal	Round Cover Frosted or lens
	0,6x0,23 inches	FX-QMS-G2-TU15H6W3-300 EAN:6937186126702	131 °F	113 °F	95 °F	-15%	-40%	--
	0,63x0,47 inches	FX-QMS-G1-TU16H12W3-300 EAN:6937186146229	131 °F	113 °F	104 °F	-24%	-45%	--
	1x0,9 inches	FX-QMW-G2-TU26H25W10-200 EAN: 6937186126801	131 °F	131 °F	122 °F	--	-55%	-50%

SPECIAL INSTALLATION

Track Type	Dimension WxH	Product description	Max Tamb [°F]			OPTICAL PERFORMANCES (VISIBILITY of LED SPOT / OPTICAL EFFICIENCY)		
			LF500I LF1500I	LF3000I	LF4000I	Flat Cover Transparent	Flat Cover Frosted or Opal	Round Cover Frosted or lens
	0,75x0,75 inches	FX-QMS-G2-T45D19H19-300 EAN:6937186131706	131 °F	131 °F	113 °F	-38%	-57%	--
	1,8 x 1,1 inches	FX-QMW-G1-TK30D46H27-300 EAN:6937186148407	131 °F	131 °F	122 °F	--	-39%	-43%
	2,2x2,8 inches	FX-QMP-G1-TU56H70-xx-0yy EAN: 6977078997805 6977078997836 6977078997867 6977078997898 6977078997928 6977078997959	131 °F	131 °F	131 °F	--	-32%	-26%
	4,3x0,87 inches	FX-QMR-G1-TT25H110-xx-0yy EAN: 6977078998017 6977078998048 6977078998079 6977078998109 6977078998130 6977078998161	131 °F	131 °F	131 °F	--	-70%	--

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 INVENTRONICS 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.