

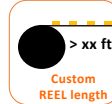
LINEARlight FLEX INFINITE 24V – IP66/68

High efficiency flexible LED strip
LFP500I/1500I/3000I/4000I-G1-xxx-24 L1



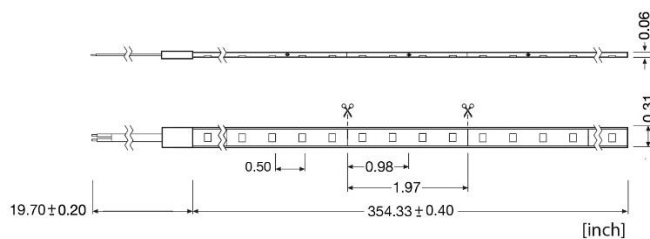
Features & Benefits

- Flexible and cuttable LED strip up to 0.98"
- Luminous flux: up to 1219 lm/ft.
- Dimmable with PWM technology
- LEDs per foot: 24 led/ft
- 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
- Outdoor use possible: UV and salt mist resistant (UV acc. to ISO 4892-2 - Method A, salt mist acc. to IEC 60068-2-52 severity
- Simplified connection with optional matching CONNECTsystem
- Quick installation with optional SLIM TRACK System
- Perfectly matched to non-isolated OPTOTRONIC electronic control gears

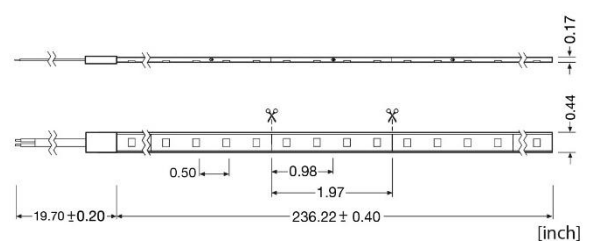


Technical drawings

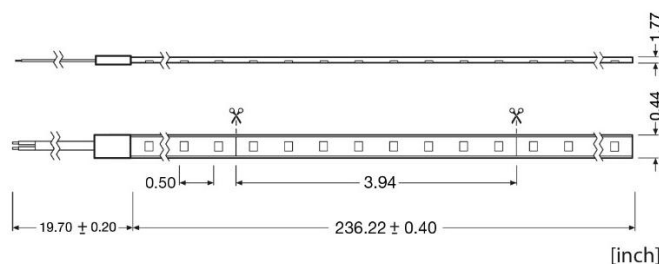
LFP500I-G1



LFP1500I-G1

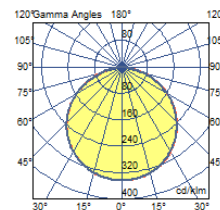


LF3000I-G1/LF4000I-G1



Lowest Bending Radius = 1.97"
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...+176 °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.

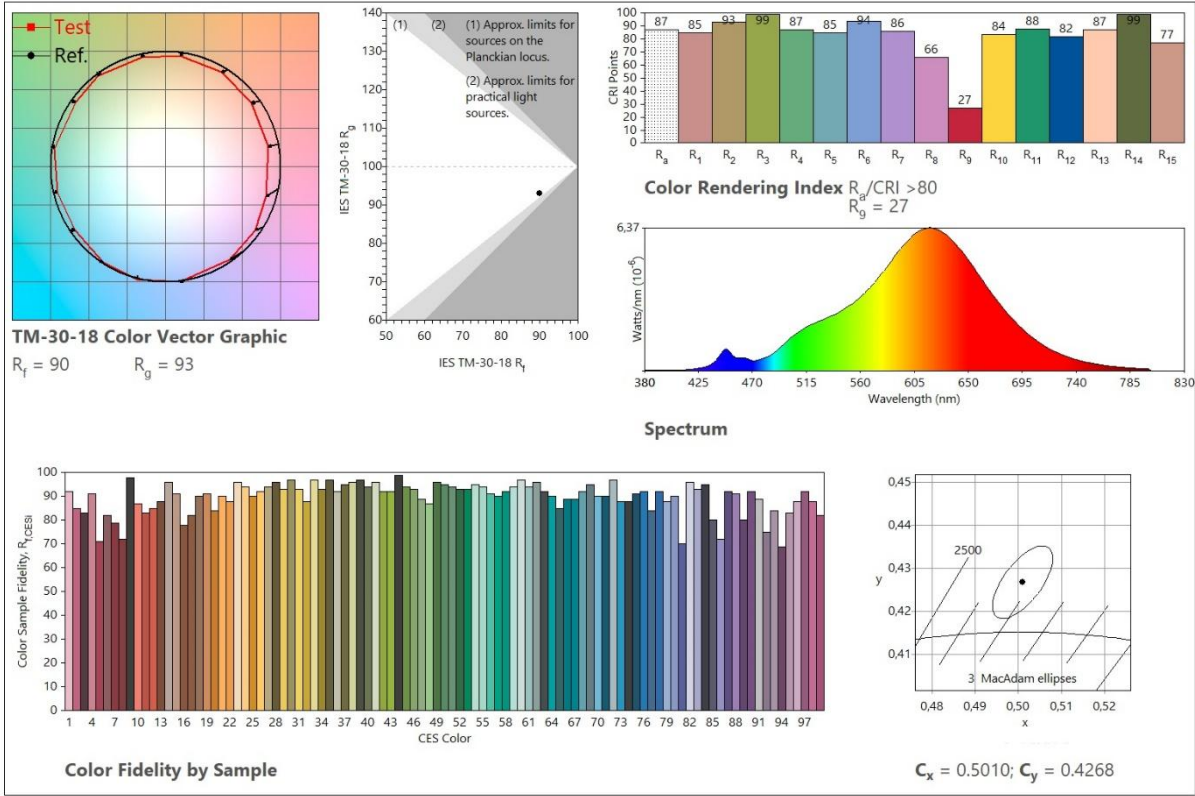
Technical data

CRI 80+	Nominal CCT <small>See color output data</small>	Luminous Flux lm/ft.	Power W/ft.	Luminous Efficacy lm/W	Performance Temperature °F	Order Code	Length ft.
LFP500I-G1-824-24-09 L1	2400 K	155	1,2	128	84	6937186117175	29,5
LFP500I-G1-827-24-09 L1	2700 K	171	1,2	140	84	6937186117199	29,5
LFP500I-G1-830-24-09 L1	3000 K	183	1,2	150	84	6937186117212	29,5
LFP500I-G1-840-24-09 L1	4000 K	190	1,2	156	84	6937186117236	29,5
LFP1500I-G1-824-24-06 L1	2400 K	381	3,0	128	95	6937186117335	19,7
LFP1500I-G1-827-24-06 L1	2700 K	418	3,0	140	95	6937186117359	19,7
LFP1500I-G1-830-24-06 L1	3000 K	448	3,0	150	95	6937186117373	19,7
LFP1500I-G1-840-24-06 L1	4000 K	479	3,0	160	95	6937186117397	19,7
LFP3000I-G1-824-24-03 L1	2400 K	750	6,0	126	113	6937186117496	9,8
LFP3000I-G1-827-24-03 L1	2700 K	829	6,0	139	113	6937186117519	9,8
LFP3000I-G1-830-24-03 L1	3000 K	890	6,0	149	113	6937186117533	9,8
LFP3000I-G1-840-24-03 L1	4000 K	939	6,0	157	113	6937186117557	9,8
LFP4000I-G1-824-24-03 L1	2400 K	978	8,0	123	122	6937186117656	9,8
LFP4000I-G1-827-24-03 L1	2700 K	1085	8,0	136	122	6937186117670	9,8
LFP4000I-G1-830-24-03 L1	3000 K	1158	8,0	145	122	6937186117793	9,8
LFP4000I-G1-840-24-03 L1	4000 K	1219	8,0	153	122	6937186117694	9,8

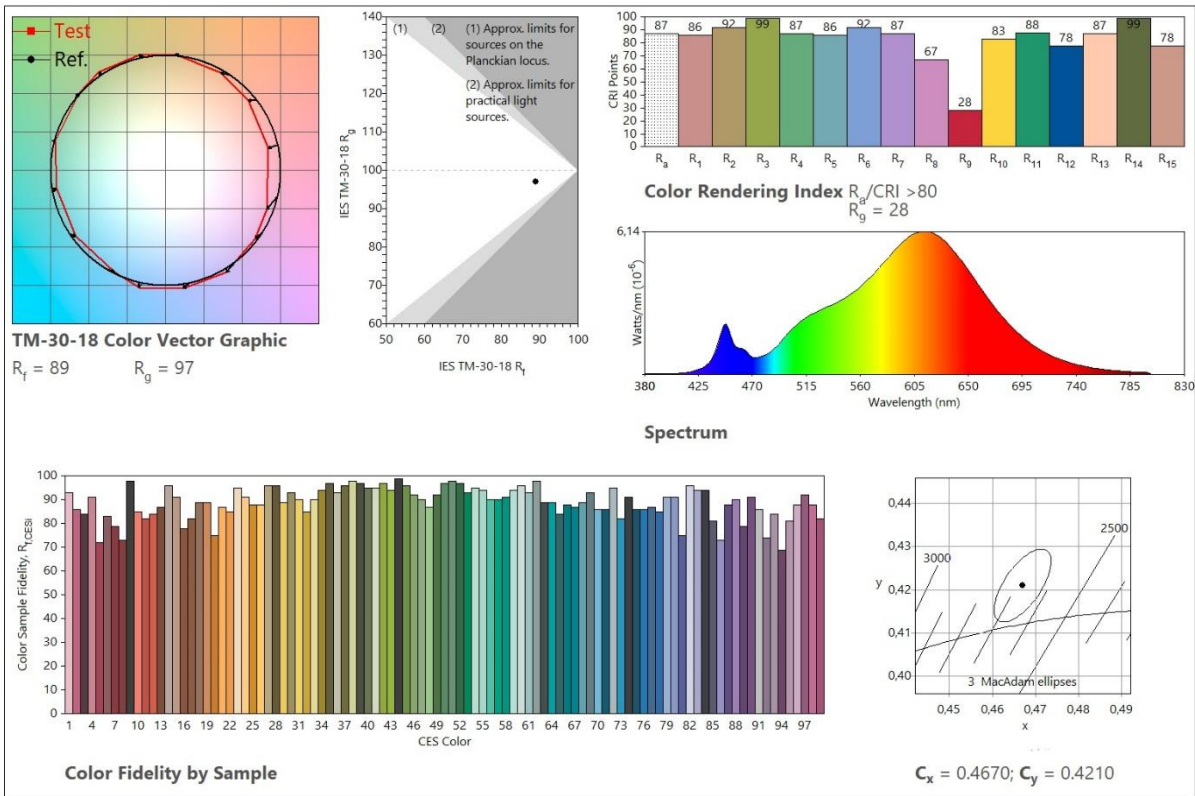
CRI 90+	Nominal CCT <small>See color output data</small>	Luminous Flux lm/ft.	Power W/ft.	Luminous Efficacy lm/W	Performance Temperature °F	Order Code	Length ft.
LFP500I-G1-924-24-09 L1	2400 K	131	1,2	108	84	6937186117250	29,5
LFP500I-G1-927-24-09 L1	2700 K	146	1,2	120	84	6937186117274	29,5
LFP500I-G1-930-24-09 L1	3000 K	157	1,2	129	84	6937186117298	29,5
LFP500I-G1-940-24-09 L1	4000 K	168	1,2	138	84	6937186117311	29,5
LFP1500I-G1-924-24-06 L1	2400 K	323	3,0	108	95	6937186117410	19,7
LFP1500I-G1-927-24-06 L1	2700 K	354	3,0	118	95	6937186117434	19,7
LFP1500I-G1-930-24-06 L1	3000 K	387	3,0	130	95	6937186117458	19,7
LFP1500I-G1-940-24-06 L1	4000 K	418	3,0	140	95	6937186117472	19,7
LFP3000I-G1-924-24-03 L1	2400 K	640	6,0	107	113	6937186117571	9,8
LFP3000I-G1-927-24-03 L1	2700 K	701	6,0	117	113	6937186117595	9,8
LFP3000I-G1-930-24-03 L1	3000 K	759	6,0	127	113	6937186117618	9,8
LFP3000I-G1-940-24-03 L1	4000 K	823	6,0	138	113	6937186117632	9,8
LFP4000I-G1-924-24-03 L1	2400 K	838	8,0	105	122	6937186117717	9,8
LFP4000I-G1-927-24-03 L1	2700 K	914	8,0	115	122	6937186117731	9,8
LFP4000I-G1-930-24-03 L1	3000 K	981	8,0	123	122	6937186117755	9,8
LFP4000I-G1-940-24-03 L1	4000 K	1061	8,0	133	122	6937186117779	9,8

Color output data CRI 80+

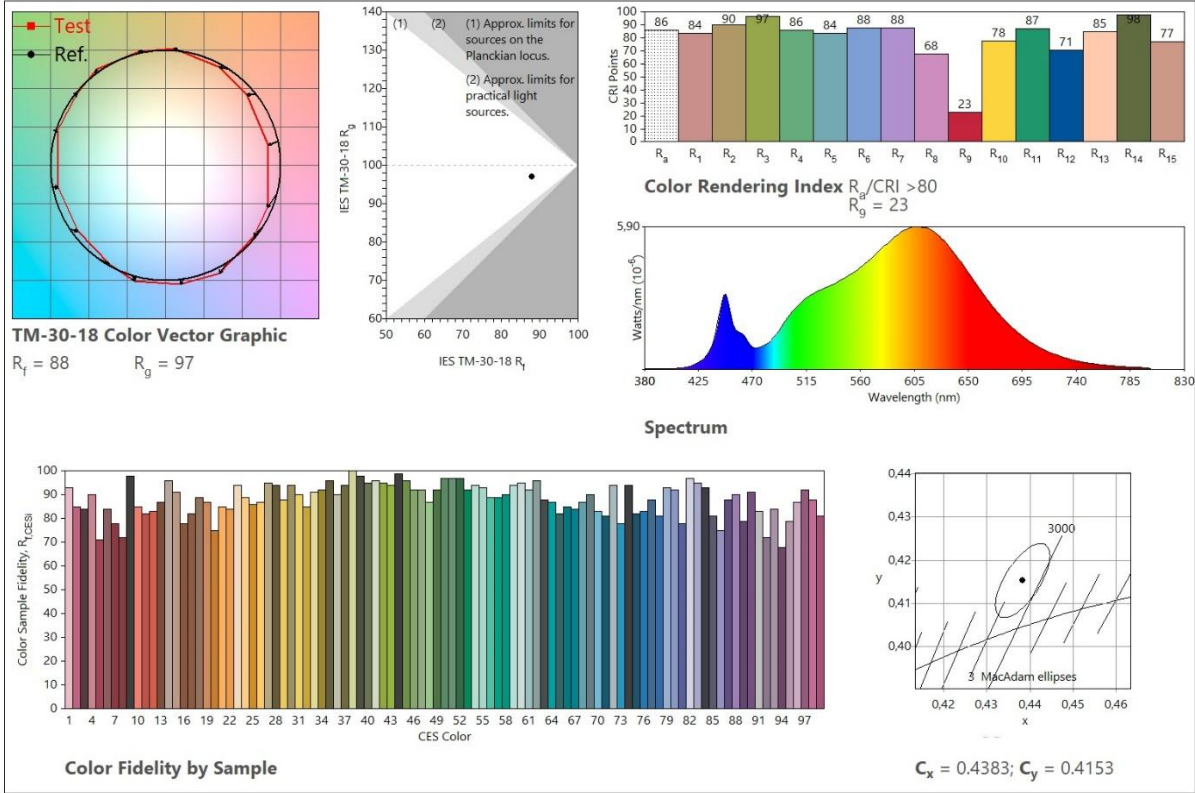
LFPxx00I-G1-824-24-yy L1



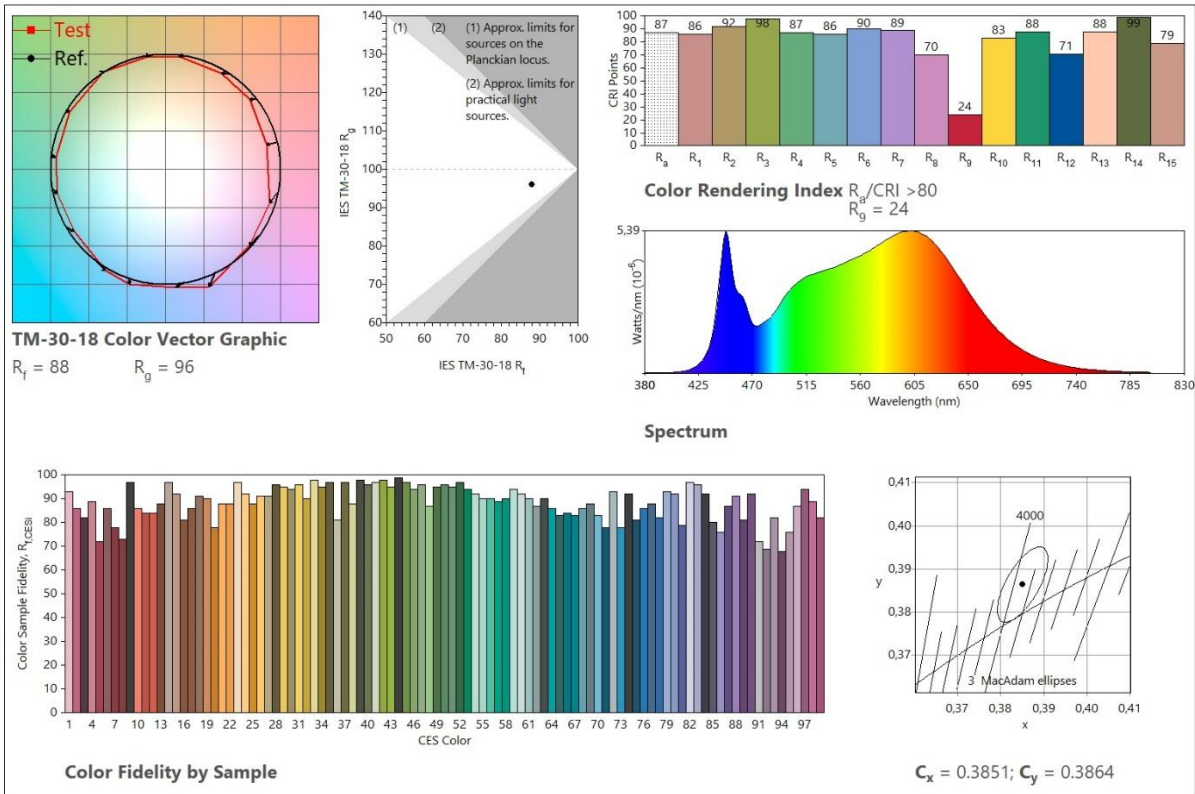
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LFPxx00I-G1-830-24-yy L1

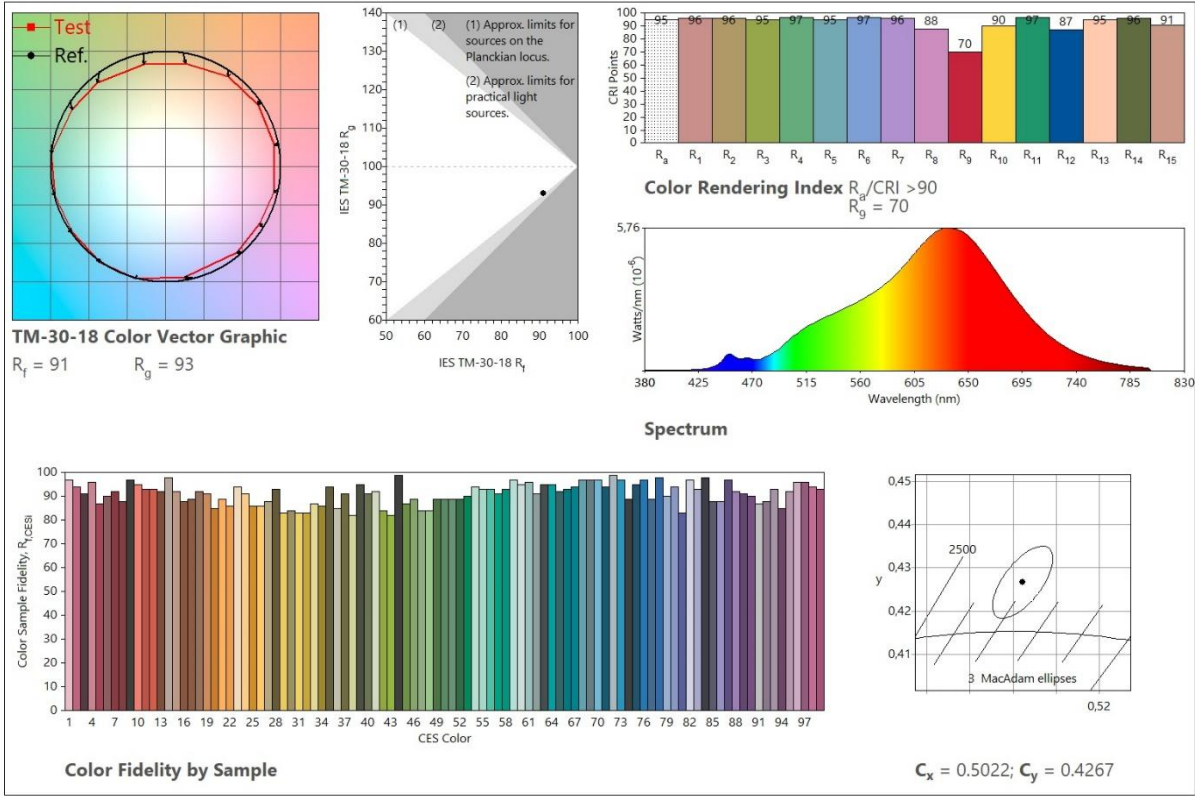


LFPxx00I-G1-840-24-yy L1

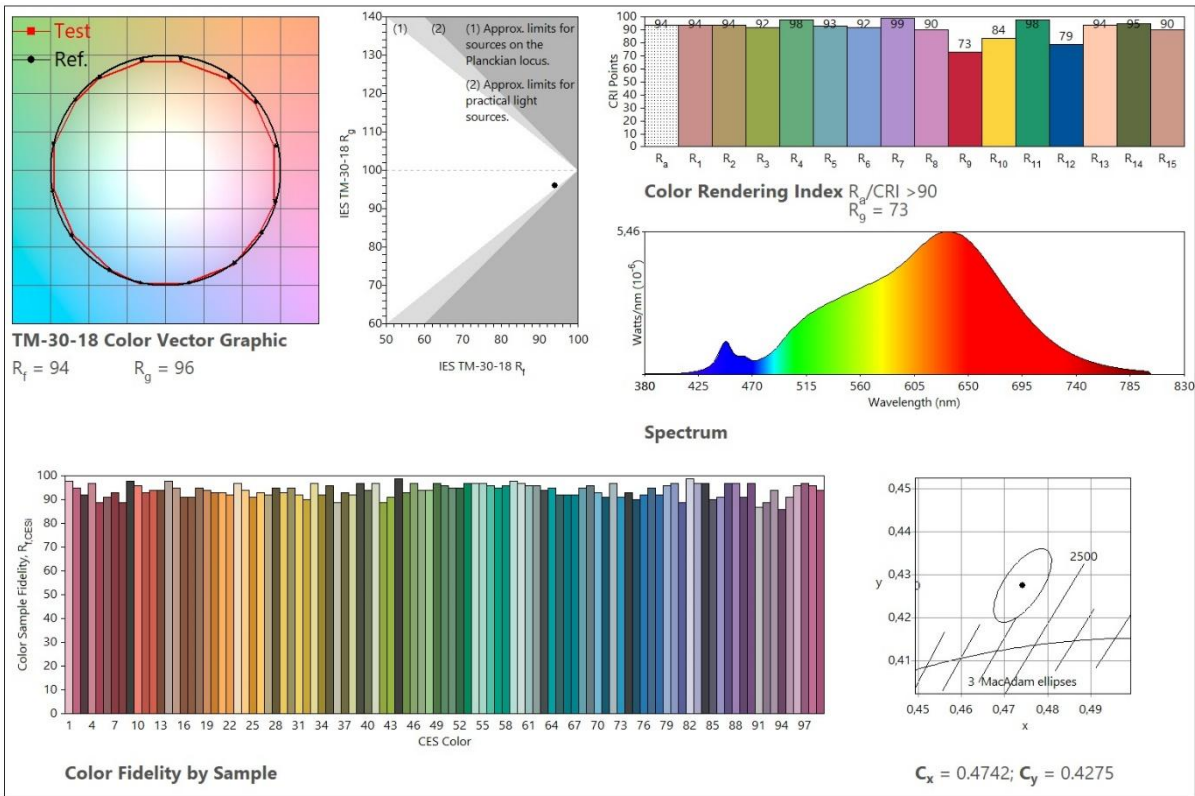


Color output data CRI 90+

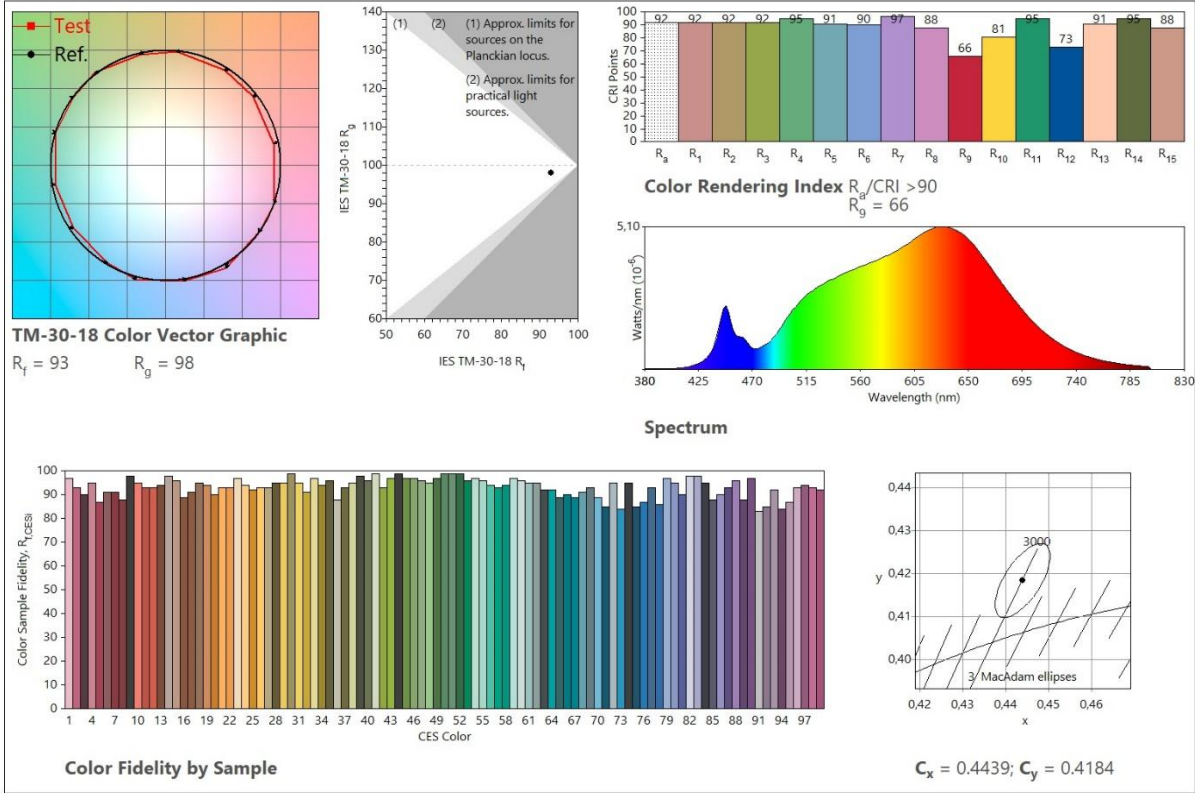
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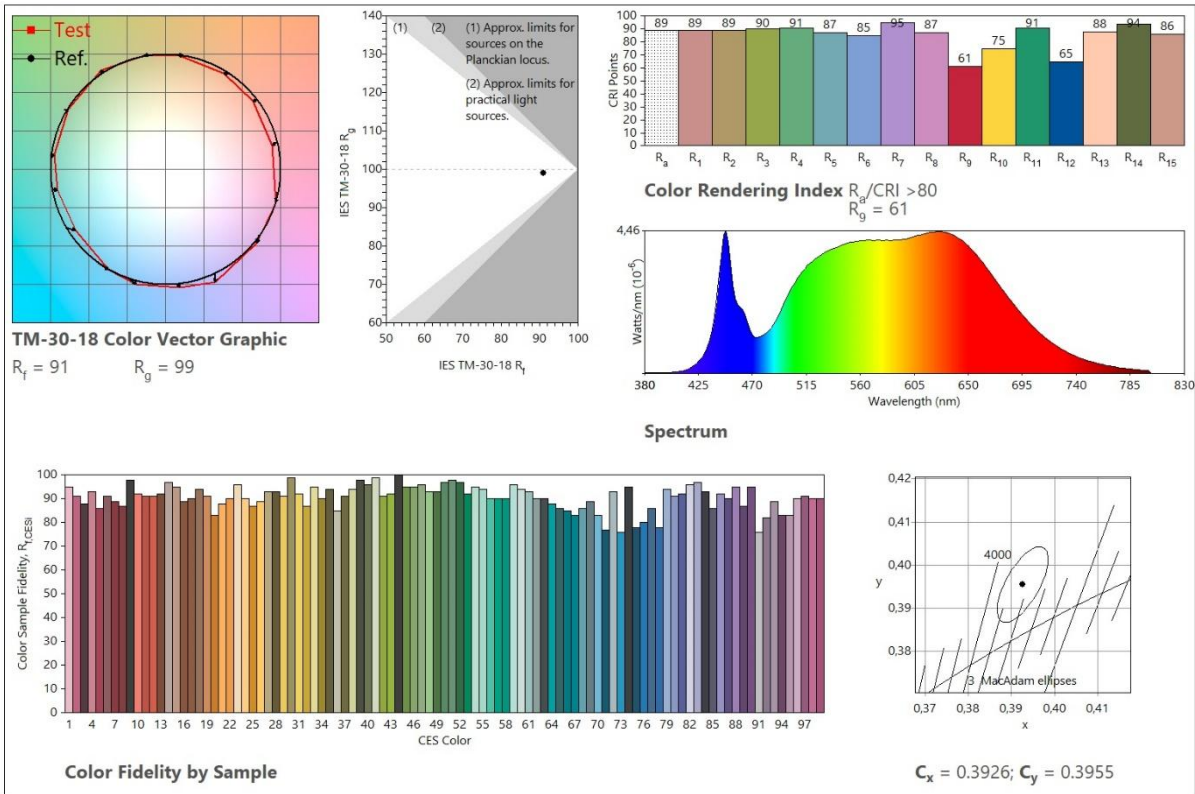
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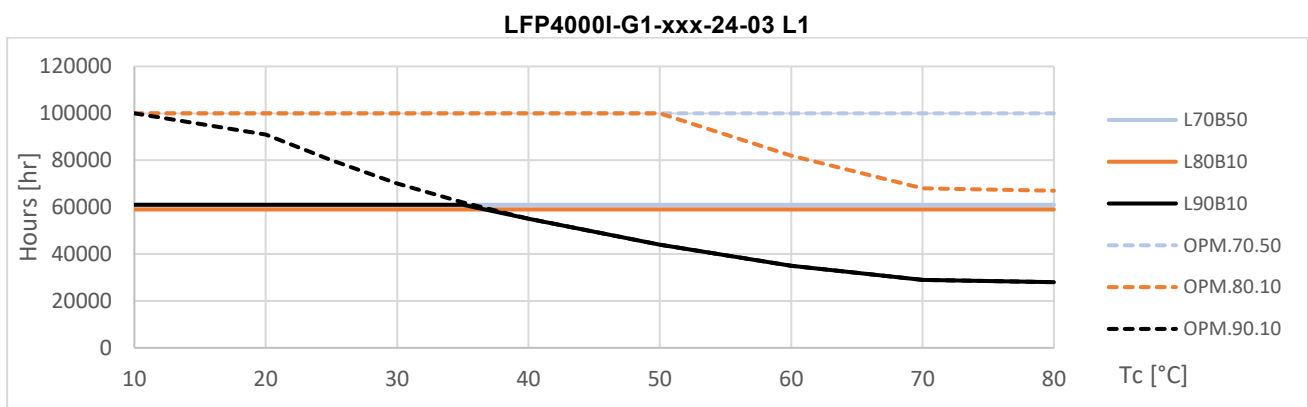
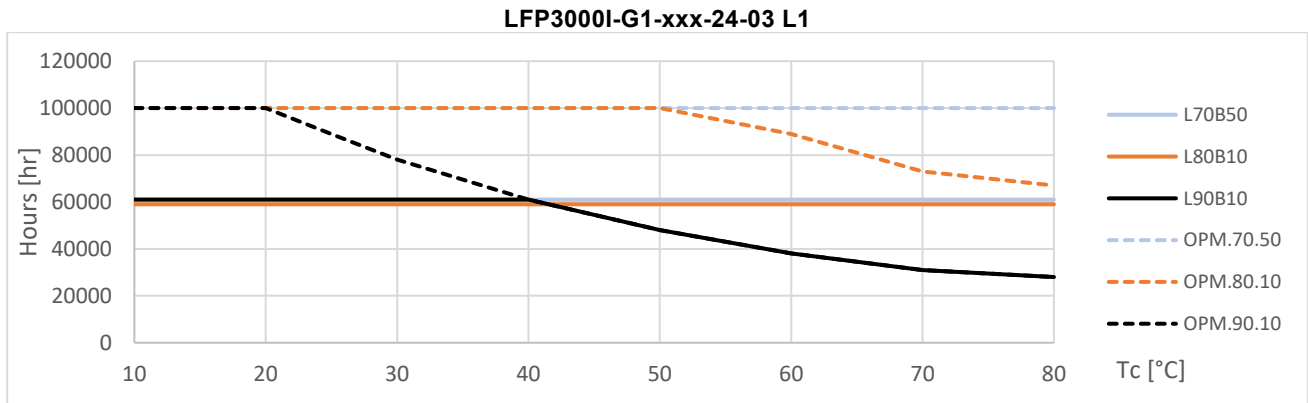
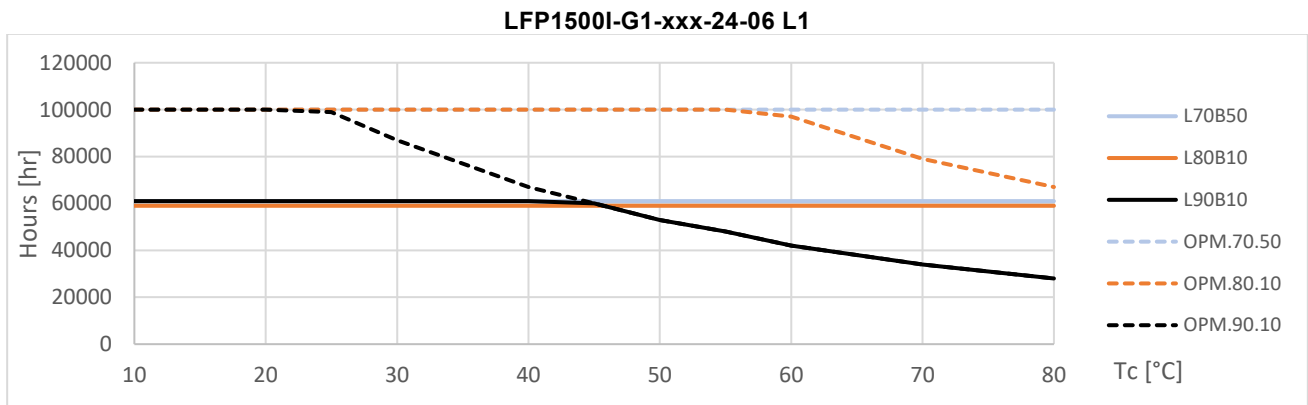
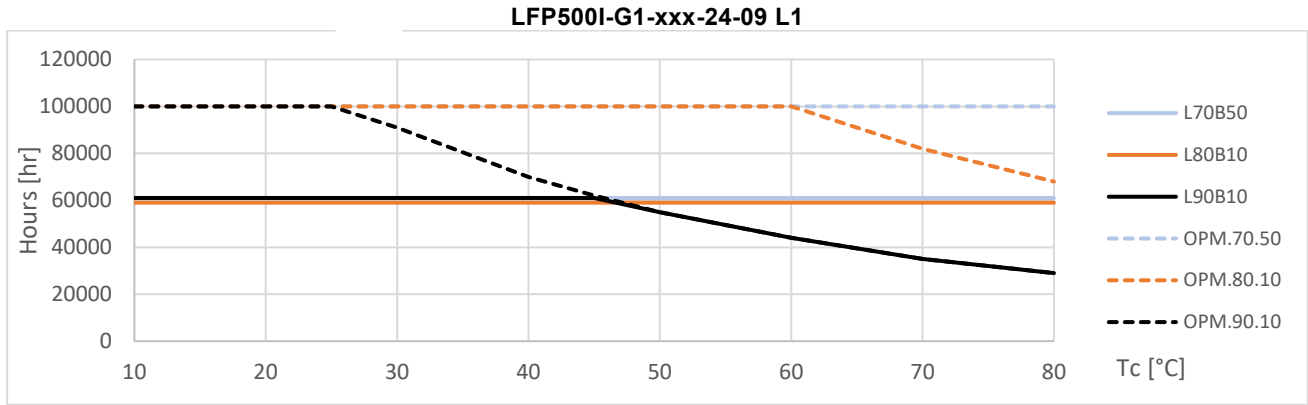
LFPxx00I-G1-930-24-yy L1



LFPxx00I-G1-940-24-yy L1



Lifetime chart








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

Packaging content

Product type	EAN10 Package content
LFP500I-G1-xxx-24-09 L1	1 x Led strip
LFP1500I-G1-xxx-24-06 L1	1 x Led strip
LFP3000I-G1-xxx-24-03 L1	1 x Led strip
LFP4000I-G1-xxx-24-03 L1	1 x Led strip

Optional Accessories

Product Type	Product description	Product code (EAN10)	EAN10 Package content
 End cap IP67	ENDCAP-IP67 KIT 10PCS	6937186131850	10x endcap, 1x glue
 Connector IP67	CONN-FLEX-IP67-2P KIT 5PCS	6937186141064	5x connectors with wire
 Connector IP67	CONN-FLEX-IP67-2P-300 KIT 5PCS	6937186141224	5x connectors with 9.8' wire
 Jumper IP67	JUMPER-FLEX-IP67-2P KIT 5PCS	6937186141040	5x jumpers
 Silicone CLIP	LF-CLIP-FIXTURE PROTECT	6937186148360	50x clips

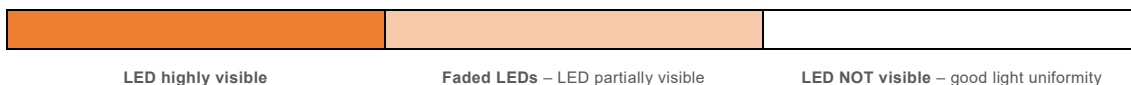
Note: When the LFPxxxxI led module is used in combination with CONN-FLEX-IP67-2P or with JUMPER-FLEX-IP67-2P, the IP protection reached is IP67 and no longer IP66/68.

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:

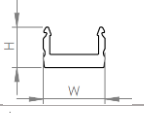
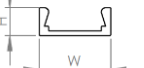
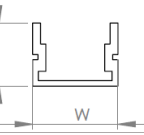
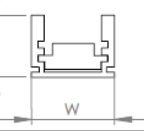
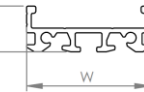
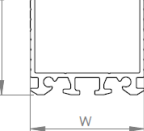


- **OPTICAL PERFORMANCES - OPTICAL EFFICIENCY:** it represents, in percentage, the amount of light lost due to the system used. If the percentage is not available, it means that the cover does not exist or can not be used

Eg: LFP1500I-G1-827-24-06 L1 + LTS-SLIMTRACK-2000 + cover transparent

418lm/ft. x (-20%) = 334lm/ft.
 334lm/ft. is the lumen output outside the system

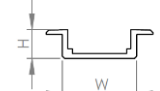
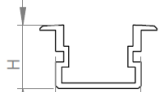
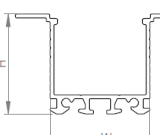
SURFACE INSTALLATION

Track Type	Dimension WxH	Product description	Max Tamb [°F]			OPTICAL PERFORMANCES (VISIBILITY of LED SPOT / OPTICAL EFFICIENCY)		
			LFP500I LFP1500I	LFP3000I	LFP4000I	Flat Cover Transparent	Flat Cover Frosted or Opal	Round Cover Frosted or lens
	0,6x0,4 inches	LTS-SLIMTRACK-2000 EAN:6937186141200	131 °F	122 °F	104 °F	-20%	-35%	-40%
	0,6x0,23 inches	FX-QMS-G2-TU15H6-300 EAN:6937186130860	131 °F (NB1)	122 °F (NB1)	104 °F (NB1)	--	--	--
	0,63x0,47 inches	FX-QMS-G1-TU16H12-300 EAN:6937186126740	131 °F	113 °F	104 °F	-24%	-45%	--
	0,63x0,47 inches	FX-QMS-G1-TU16H12LS-300 EAN:6937186148421	131 °F (NB2)	113 °F (NB2)	104 °F (NB2)	--	--	-30%
	1x0,4 inches	FX-QMW-G2-TU26H10-200 EAN: 6937186126849	131 °F	122 °F	104 °F	--	--	-30%
	1x0,9 inches	FX-QMW-G2-TU26H25-200 EAN: 6937186126825	122 °F	122 °F	104 °F	--	-55%	-50%

NB1: LFPxxxxI-G1 can be installed in FX-QMS-G2-TU15H6-300 but without any cover.

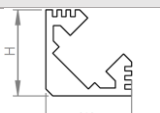
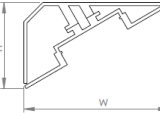
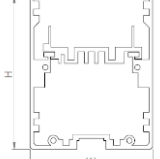
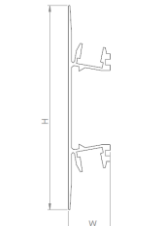
NB2: LFPxxxxI-G1 can be installed in FX-QMS-G1-TU16H12LS-300 but only without the internal aluminum bar otherwise it is not possible the lens installation.

RECESSED INSTALLATION

Track Type	Dimension WxH	Product description	Max Tamb [°F]			OPTICAL PERFORMANCES (VISIBILITY of LED SPOT / OPTICAL EFFICIENCY)		
			LFP500I LFP1500I	LFP3000I	LFP4000I	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 (NB1)	113 °F (NB1)	95 °F (NB1)	--	--	--
	0,63x0,47 inches	FX-QMS-G1-TU16H12W3-300 EAN:6937186146229	122 °F	122 °F	104 °F	-24%	-45%	--
	1x0,9 inches	FX-QMW-G2-TU26H25W10-200 EAN: 6937186126801	122 °F	122 °F	113 °F	--	-55%	-50%

NB1: LFPxxxxI-G1 can be installed in FX-QMS-G2-TU15H6W3-300 but without any cover

SPECIAL INSTALLATION

Track Type	Dimension WxH	Product description	Max Tamb [°F]			OPTICAL PERFORMANCES (VISIBILITY of LED SPOT / OPTICAL EFFICIENCY)		
			LFP500I LFP1500I	LFP3000I	LFP4000I	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	113 °F	104 °F	-38%	-57%	--
	1,8 x 1,1 inches	FX-QMW-G1-TK30D46H27-300 EAN:6937186148407	131 °F	131 °F	113 °F	--	-39%	-43%
	2,2x2,8 inches	FX-QMP-G1-TU56H70-xx-0yy EAN: 6977078997805 6977078997836 6977078997867 6977078997898 6977078997928 6977078997959	131 °F	131 °F	113 °F	--	-32%	-26%
	4,3x0,87 inches	FX-QMR-G1-TT25H110-xx-0yy EAN: 6977078998017 6977078998048 6977078998079 6977078998109 6977078998130 6977078998161	131 °F	131 °F	113 °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.