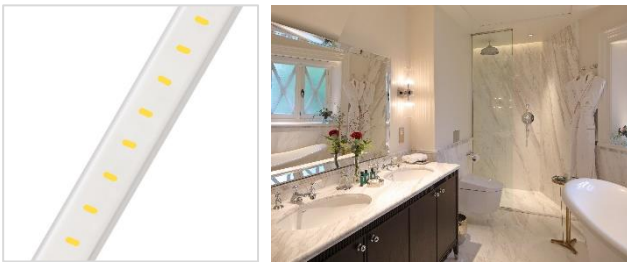


Light is OSRAM

LINEARlight FLEX Protect Uniformity



Whether-proof LED strip for high quality homogeneous lighting
LFP800S-G5 / LFP1200S-G5 / LFP2000S-G5



Features & Benefits

- Durable IP67 & IP65- fully sealed and filled with crystalline optical grade silicone; can be cut and re-sealed each 50 mm
- Outdoor use possible: UV and salt mist tested
- 800 / 1200 / 2000 lm/m
- CRI 95+ / 90+ and 80+ for higher efficacy
- Color uniformity ≤ 2 SDCM*
- Uniform dot-less appearance also into shallow profiles
- Lifetime up to 60.000 h L90B10 at T_p , with SDT Technology
- Internal constant current regulators on each single cut unit
- Dimmable down to 0.1% with OPTOTRONIC® LED drivers
- High quality LED and large selection of light color temperatures
- Easy installation on smooth surfaces with the self-adhesive tape
- Reel-to-Reel technology, 140 LED/m
- Top reliability with Reel-to-Reel technology, 140 LED/m
- High speed protection in case of accidental miswiring up to 25V
- Available also in non-IP versions for indoor use.
- Made in Italy



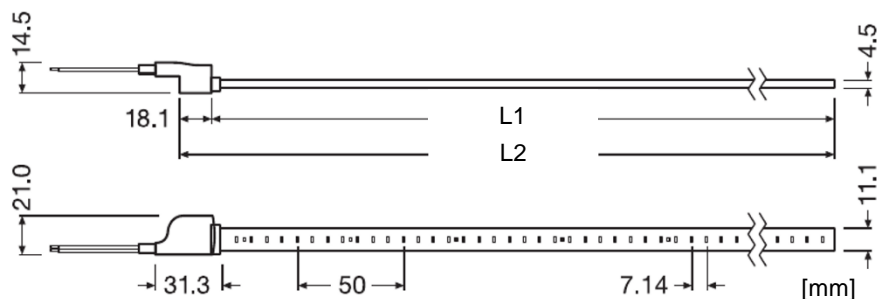
Application areas

Direct and indirect lighting in outdoor or wet areas, where long lasting lighting performances are key for preserving value and prestige of lit locations.

Standards

CE, UL recognized component according to UL 8750; ENEC, EAC, VDE according to ENEC 10
Photometric data acc. to: LM-80 and TM-21, LM-79, EN13032-4, CIE S 025, IES TM-30-15

Technical data

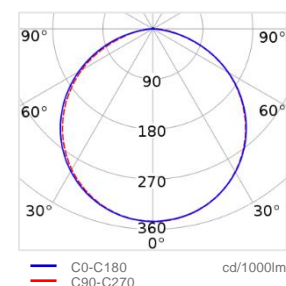


Lowest Bending Radius = 50 mm

Max. operable length = product length, possible extension to be evaluated with installation details

LFP800S ... -10 / LFP1200S ... -10 → L1 = 9988 L2 = 10006
LFP2000S ... -05 / LFP1200S ... -05 → L1 = 4988 L2 = 5006

Nominal Voltage	24.0 V
Reverse voltage protection up to	25.0 V
Temperature range in operation @ T_c point	-30 °C...+80 °C
Storage Temperature	-40 °C...+85 °C
Ambient Temperature with profile **	-30 °C...+50 °C



Technical data

Beam Angle 120°

	CRI 90+	Nominal CCT <small>See color output data</small>	Luminous Flux lm/m	Power W/m	Luminous Efficacy lm/W	Order Code	Length m
800 lm/m	LFP800S-G5-927-10 C	2700 K	800	9,2	91	4062172170710	10
	LFP800S-G5-930-10 C	3000 K	800	8	105	4062172170734	10
	LFP800S-G5-935-10 C	3500 K	800	7,5	112	4062172170758	10
	LFP800S-G5-940-10 C	4000 K	800	7,5	112	4062172170772	10
	LFP800S-G5-947-10 C	4700 K	800	7,5	112	4062172170796	10
	LFP800S-G5-957-10 C	5700 K	800	7	120	4062172170819	10
	LFP800S-G5-980-10 C	8000 K	800	7	120	4062172170833	10
1200 lm/m	LFP1200S-G5-927-10 C	2700 K	1200	11,6	95	4062172172202	10
	LFP1200S-G5-930-10 C	3000 K	1200	11,6	103	4062172172226	10
	LFP1200S-G5-935-10 C	3500 K	1200	10,9	110	4062172172240	10
	LFP1200S-G5-940-10 C	4000 K	1200	10,9	110	4062172172264	10
	LFP1200S-G5-947-10 C	4700 K	1200	10,9	110	4062172172288	10
	LFP1200S-G5-957-10 C	5700 K	1200	10	120	4062172172301	10
	LFP1200S-G5-980-10 C	8000 K	1200	10	120	4062172172325	10
2000 lm/m	LFP2000S-G5-927-05 C	2700 K	2000	21	90	4062172171823	5
	LFP2000S-G5-930-05 C	3000 K	2000	19,6	102	4062172171847	5
	LFP2000S-G5-935-05 C	3500 K	2000	18,5	108	4062172171861	5
	LFP2000S-G5-940-05 C	4000 K	2000	18,5	108	4062172171885	5
	LFP2000S-G5-947-05 C	4700 K	2000	18,5	108	4062172171908	5
	LFP2000S-G5-957-05 C	5700 K	2000	17,3	116	4062172171922	5
	LFP2000S-G5-980-05 C	8000 K	2000	17,3	116	4062172171946	5

	CRI 95+	Nominal CCT <small>See color output data</small>	Luminous Flux lm/m	Power W/m	Luminous Efficacy lm/W	Order Code	Length m
800 lm/m	LFP800S-G5-927R-10 C	2700 K	800	9,5	91	4062172170857	10
	LFP800S-G5-930R-10 C	3000 K	800	8,3	104	4062172170871	10
	LFP800S-G5-935R-10 C	3500 K	800	8,3	104	4062172170895	10
	LFP800S-G5-940R-10 C	4000 K	800	7,3	115	4062172170918	10
1200 lm/m	LFP1200S-G5-927R-05 C	2700 K	1200	14	89	4062172172349	5
	LFP1200S-G5-930R-05 C	3000 K	1200	12	100	4062172172363	5
	LFP1200S-G5-935R-05 C	3500 K	1200	12	100	4062172172387	5
	LFP1200S-G5-940R-05 C	4000 K	1200	10,6	113	4062172172400	5
2000 lm/m	LFP2000S-G5-927R-05 C	2700 K	2000	21	88	4062172171960	5
	LFP2000S-G5-930R-05 C	3000 K	2000	19,5	103	4062172171984	5
	LFP2000S-G5-935R-05 C	3500 K	2000	19,5	103	4062172172004	5
	LFP2000S-G5-940R-05 C	4000 K	2000	18,1	110	4062172172028	5

Technical data

	CRI 80+	Nominal CCT See color output data	Luminous Flux lm/m	Power W/m	Luminous Efficacy lm/W	Order Code	Length m
800 lm/m	LFP800S-G5-825-10 C	2500 K	800	8	109	4062172170499	10
	LFP800S-G5-827-10 C	2700 K	800	7,2	117	4062172170512	10
	LFP800S-G5-830-10 C	3000 K	800	6,7	125	4062172170536	10
	LFP800S-G5-835-10 C	3500 K	800	6,2	135	4062172170550	10
	LFP800S-G5-840-10 C	4000 K	800	6,1	131	4062172170574	10
	LFP800S-G5-847-10 C	4700 K	800	6,1	131	4062172170598	10
	LFP800S-G5-857-10 C	5700 K	800	6,1	131	4062172170635	10
	LFP800S-G5-880-10 C	8000 K	800	6,1	131	4062172170659	10
1200 lm/m	LFP1200S-G5-825-10 C	2500 K	1200	11,6	108	4062172172042	10
	LFP1200S-G5-827-10 C	2700 K	1200	10,6	115	4062172172066	10
	LFP1200S-G5-830-10 C	3000 K	1200	9,8	124	4062172172080	10
	LFP1200S-G5-835-10 C	3500 K	1200	9,6	127	4062172172103	10
	LFP1200S-G5-840-10 C	4000 K	1200	9,4	128	4062172172127	10
	LFP1200S-G5-847-10 C	4700 K	1200	9,4	128	4062172172141	10
	LFP1200S-G5-857-10 C	5700 K	1200	9,4	128	4062172172165	10
	LFP1200S-G5-880-10 C	8000 K	1200	9,4	128	4062172172189	10
2000 lm/m	LFP2000S-G5-825-05 C	2500 K	2000	19,6	107	4062172171663	5
	LFP2000S-G5-827-05 C	2700 K	2000	18,1	113	4062172171687	5
	LFP2000S-G5-830-05 C	3000 K	2000	17,3	118	4062172171700	5
	LFP2000S-G5-835-05 C	3500 K	2000	16	128	4062172171724	5
	LFP2000S-G5-840-05 C	4000 K	2000	15,2	132	4062172171748	5
	LFP2000S-G5-847-05 C	4700 K	2000	15,2	132	4062172171762	5
	LFP2000S-G5-857-05 C	5700 K	2000	15,2	132	4062172171786	5
	LFP2000S-G5-880-05 C	8000 K	2000	15,2	132	4062172171809	5

NOTE:

all declared values are measured keeping the product Tc point at the Performance temperature Tp here below listed:

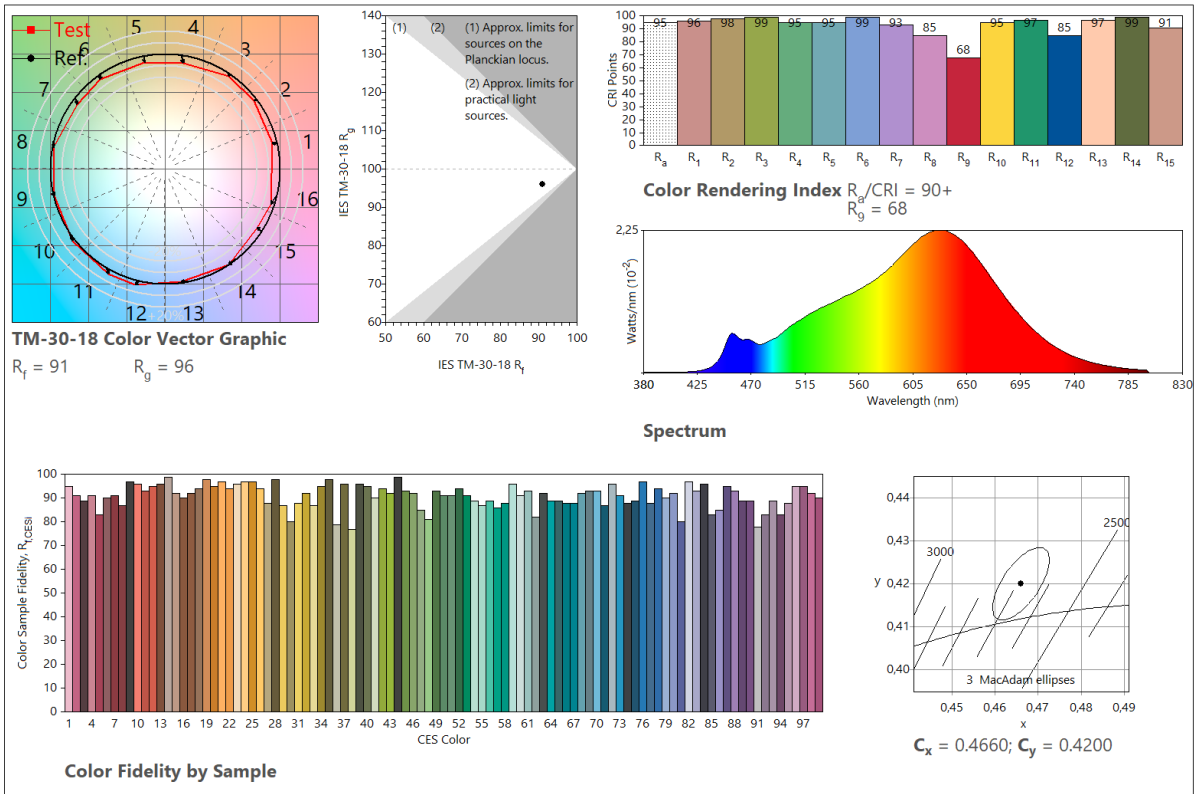
LFP800S → Tp = 30°C

LFP1200S → Tp = 35°C

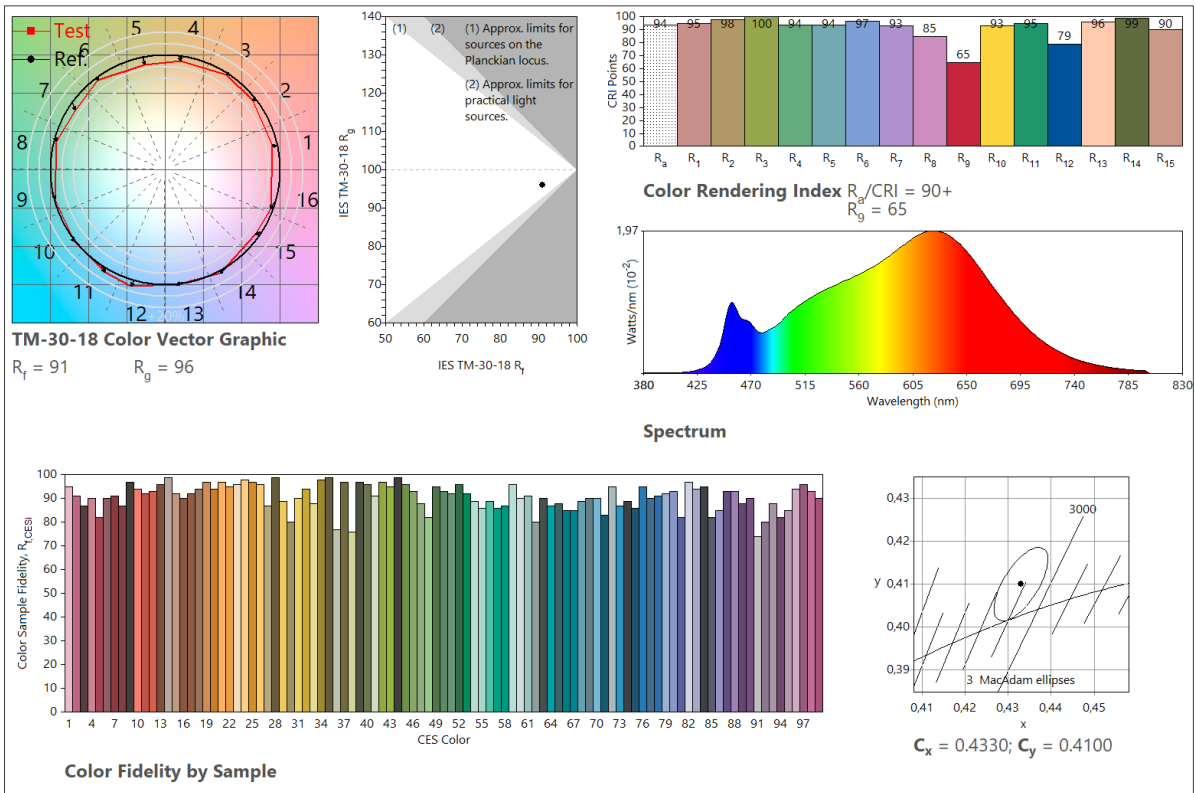
LFP2000S → Tp = 40°C

Color output data CRI 90+

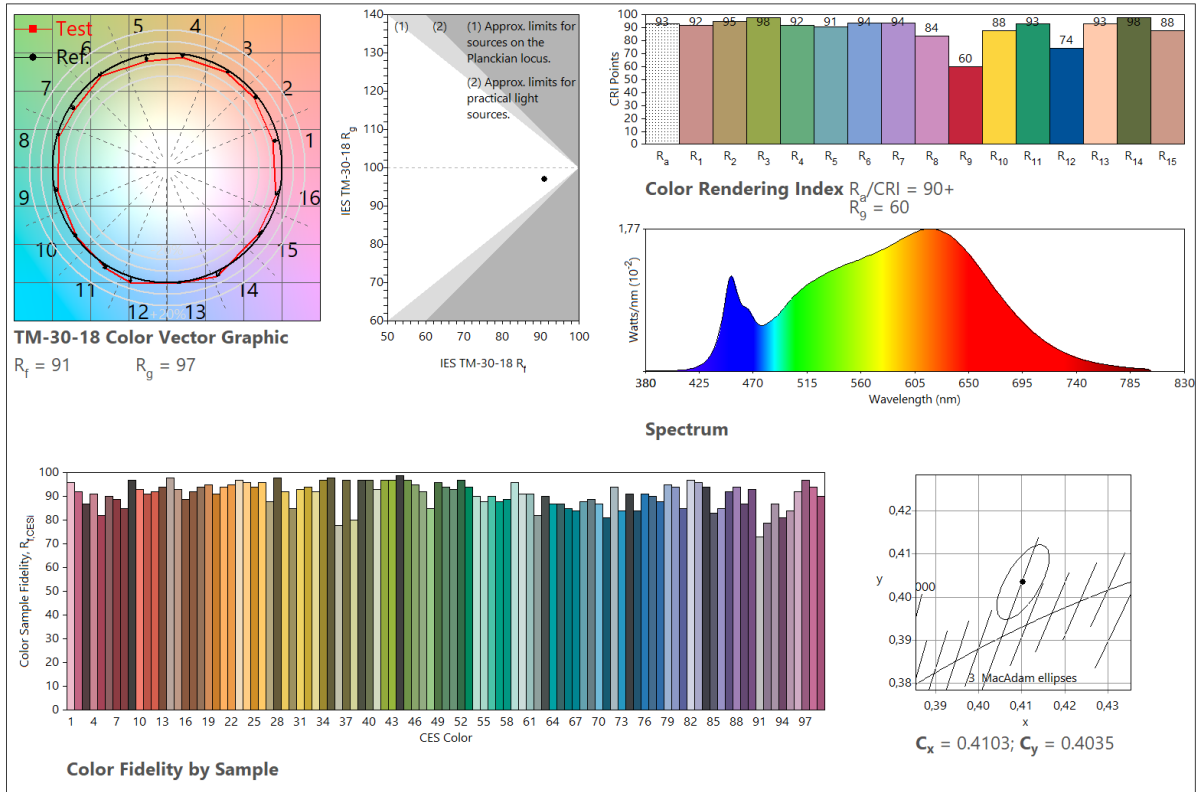
LFPxx00S-G5-927-yy C



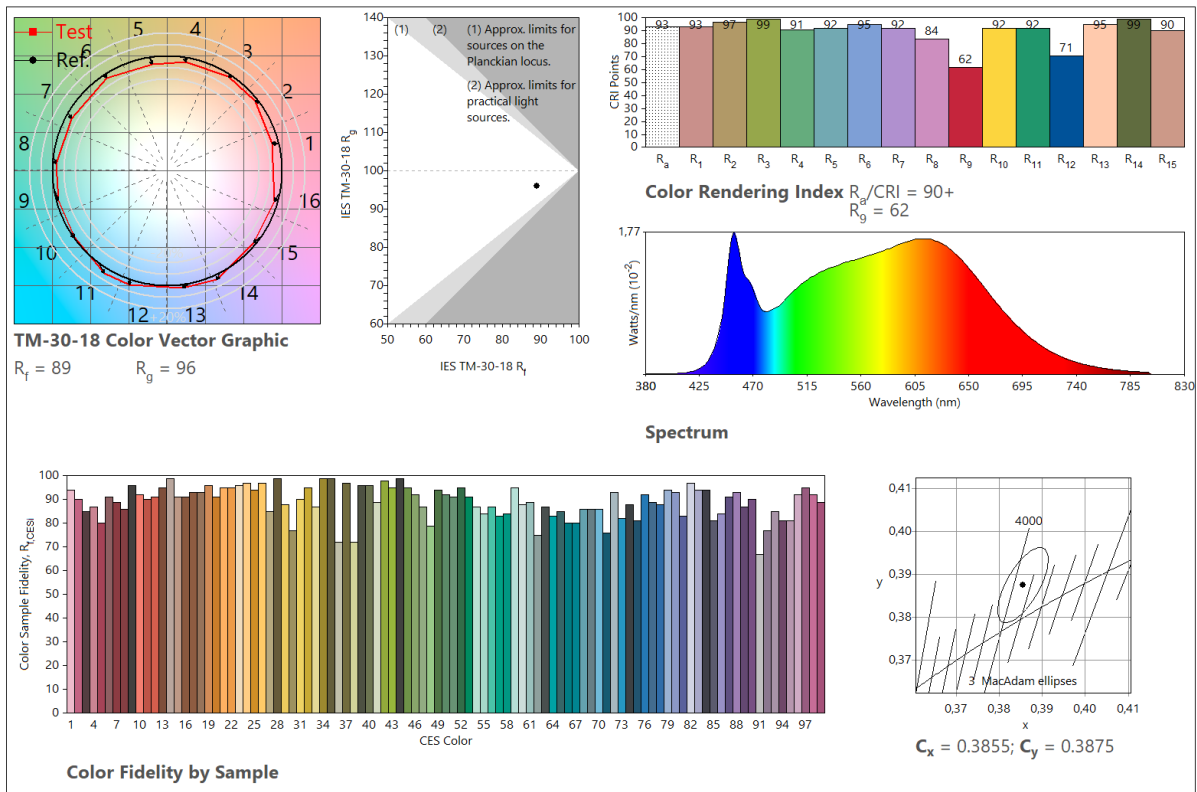
LFPxx00S-G5-930-yy C



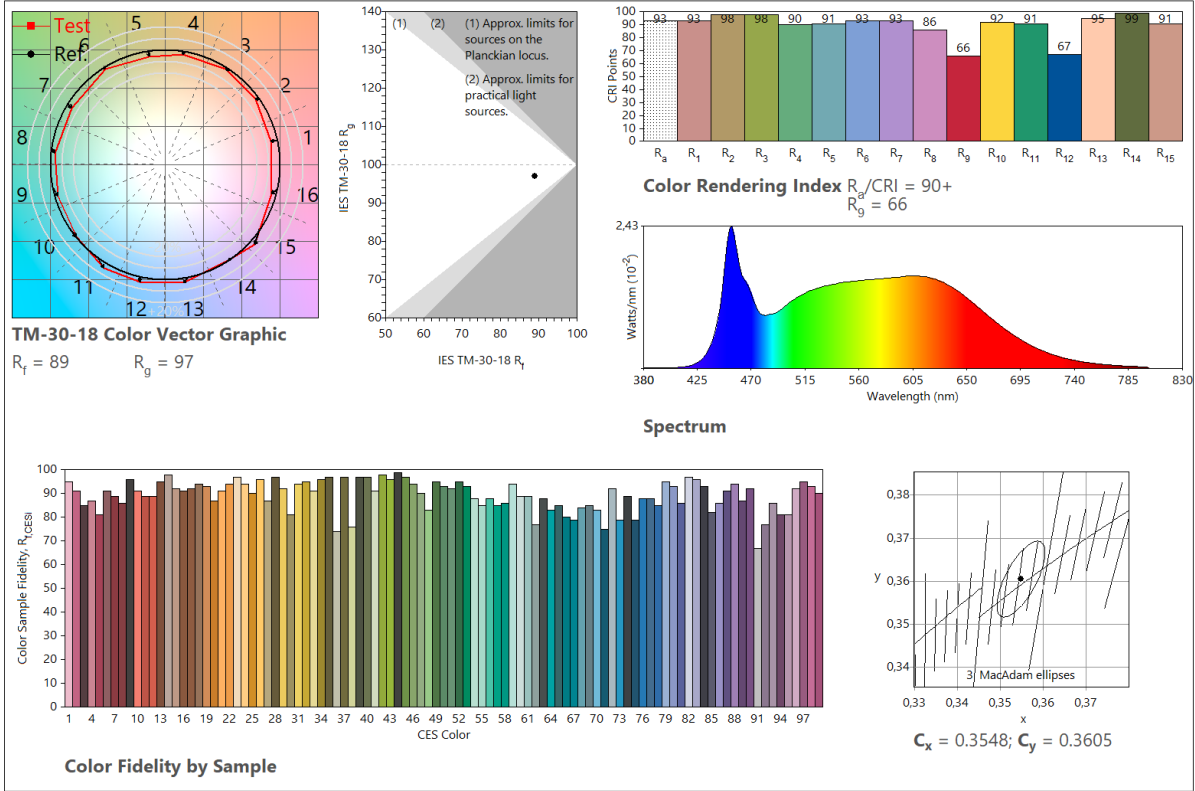
LFPxx00S-G5-935-yy C



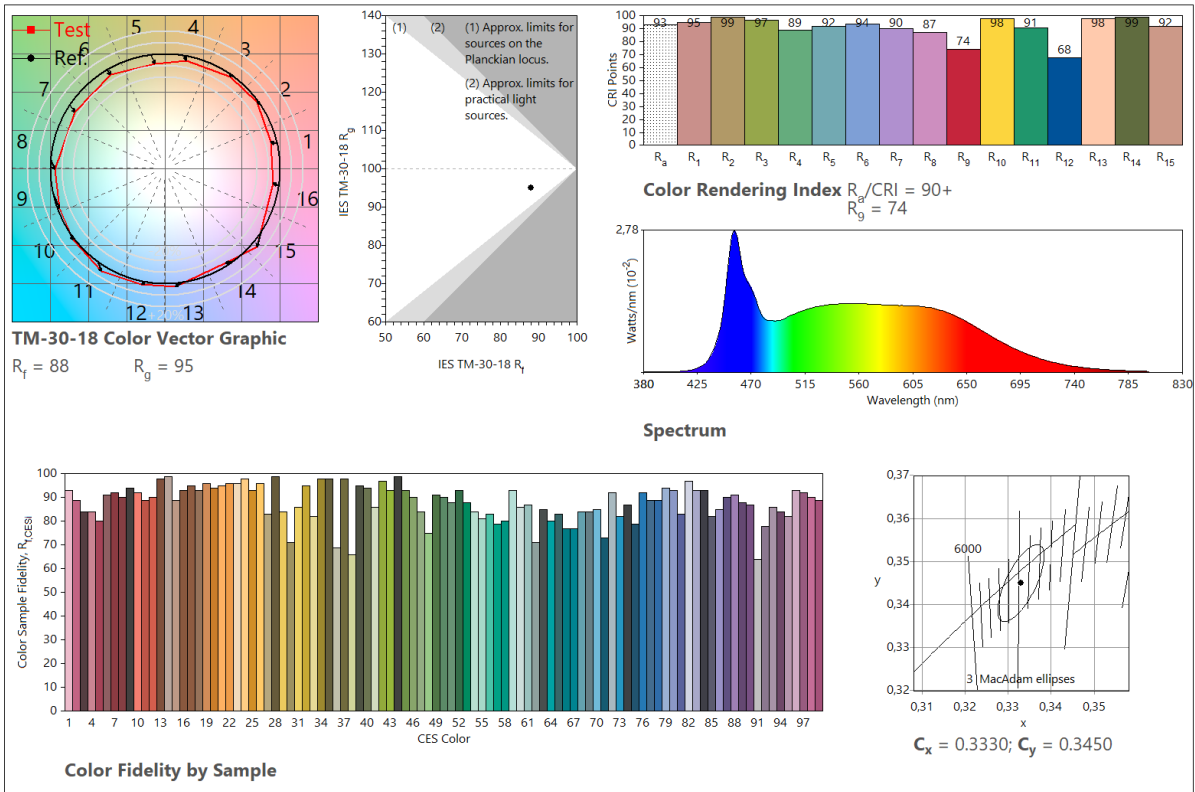
LFPxx00S-G5-940-yy C



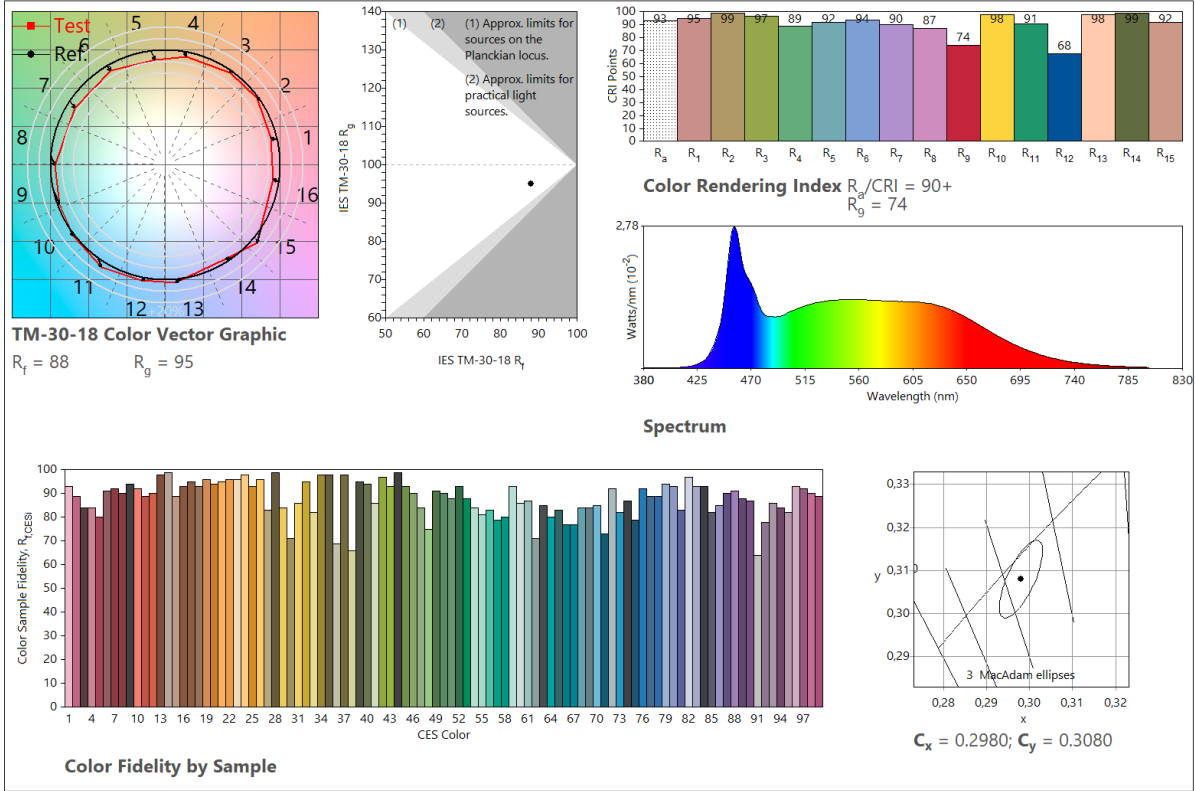
LFPxx00S-G5-947-yy C



LFPxx00S-G5-957-yy C

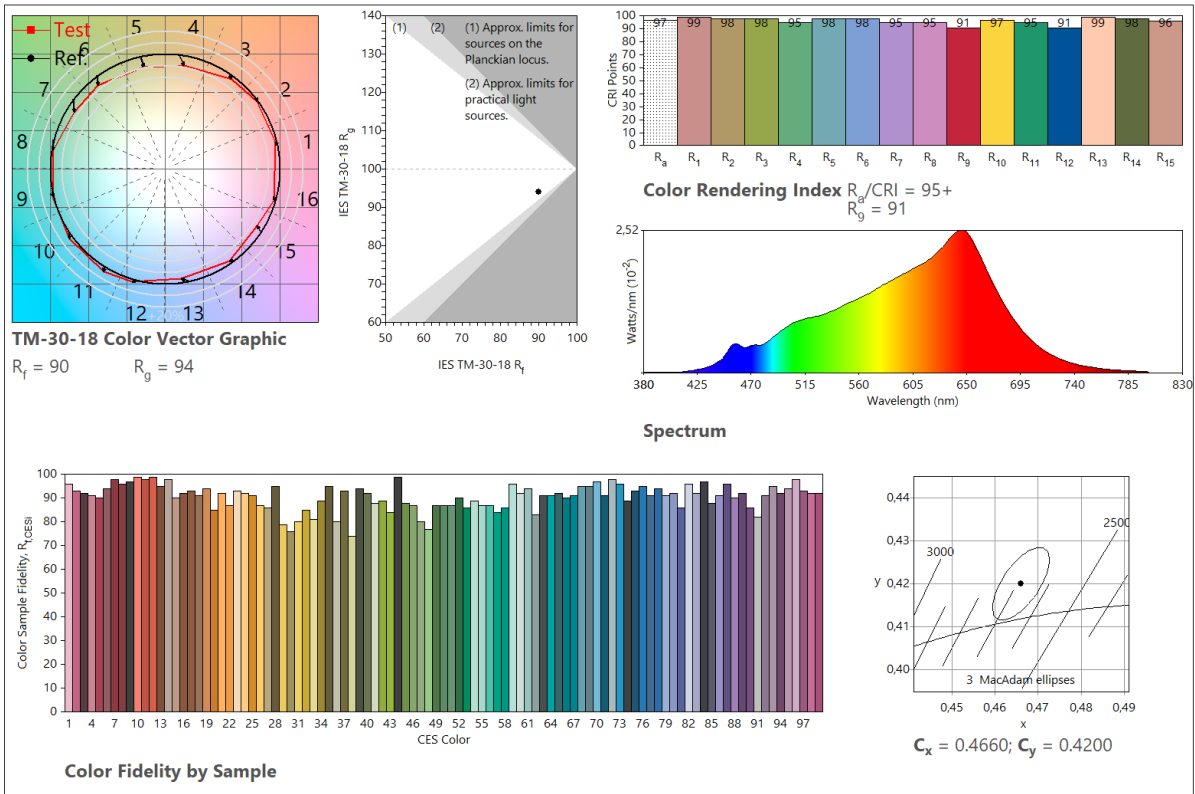


LFPxx00S-G5-980-yy C

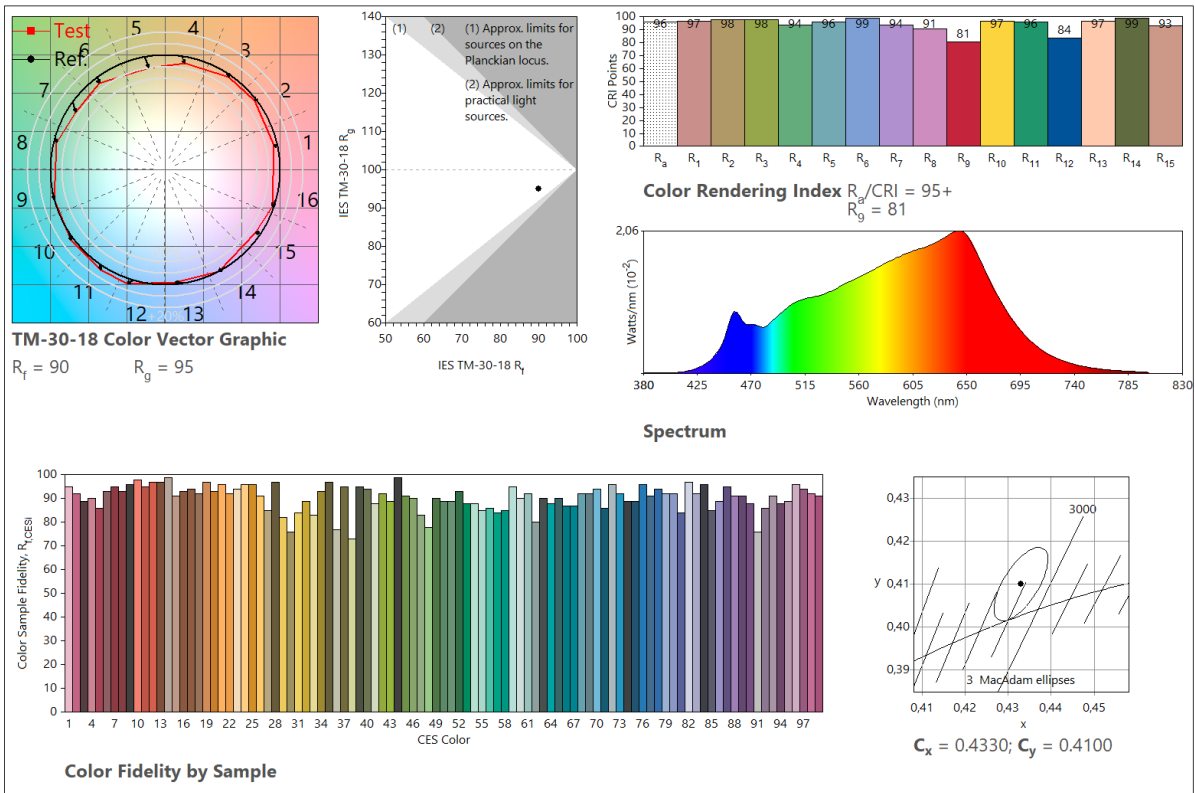


Color output data CRI 95+

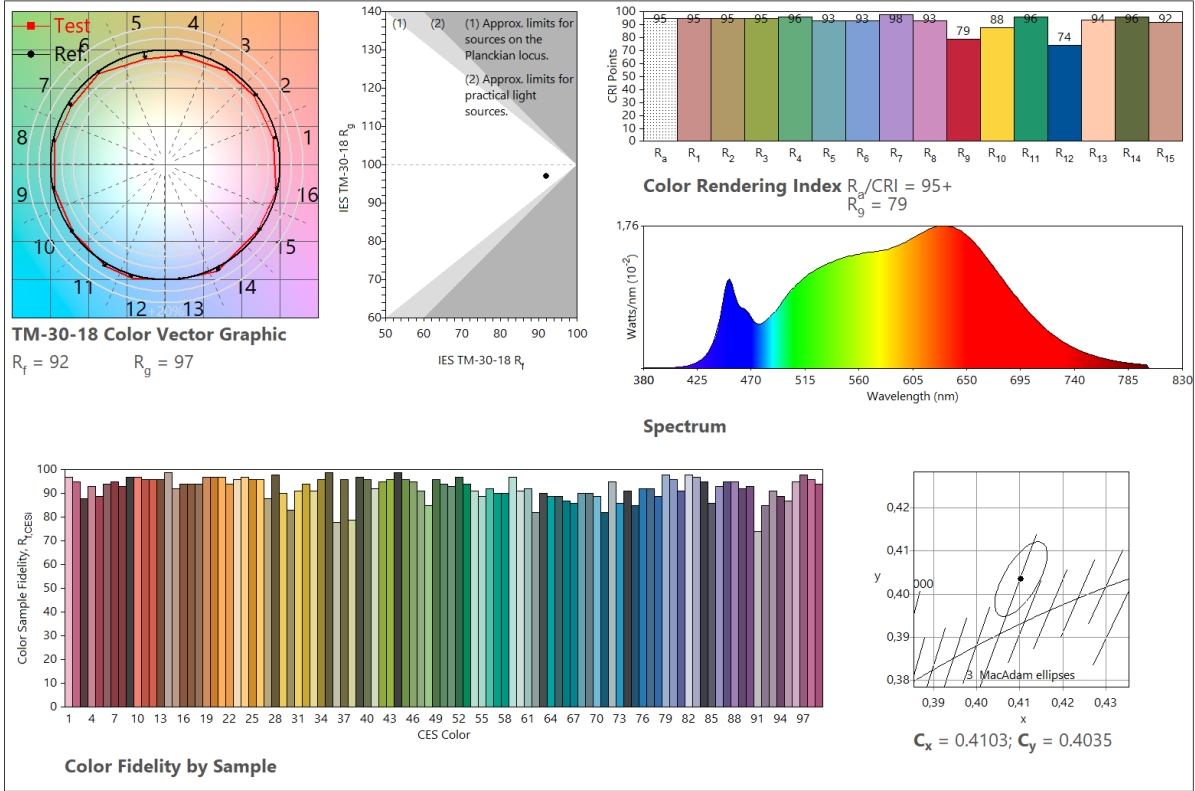
LFPxx00S-G5-927R-yy C



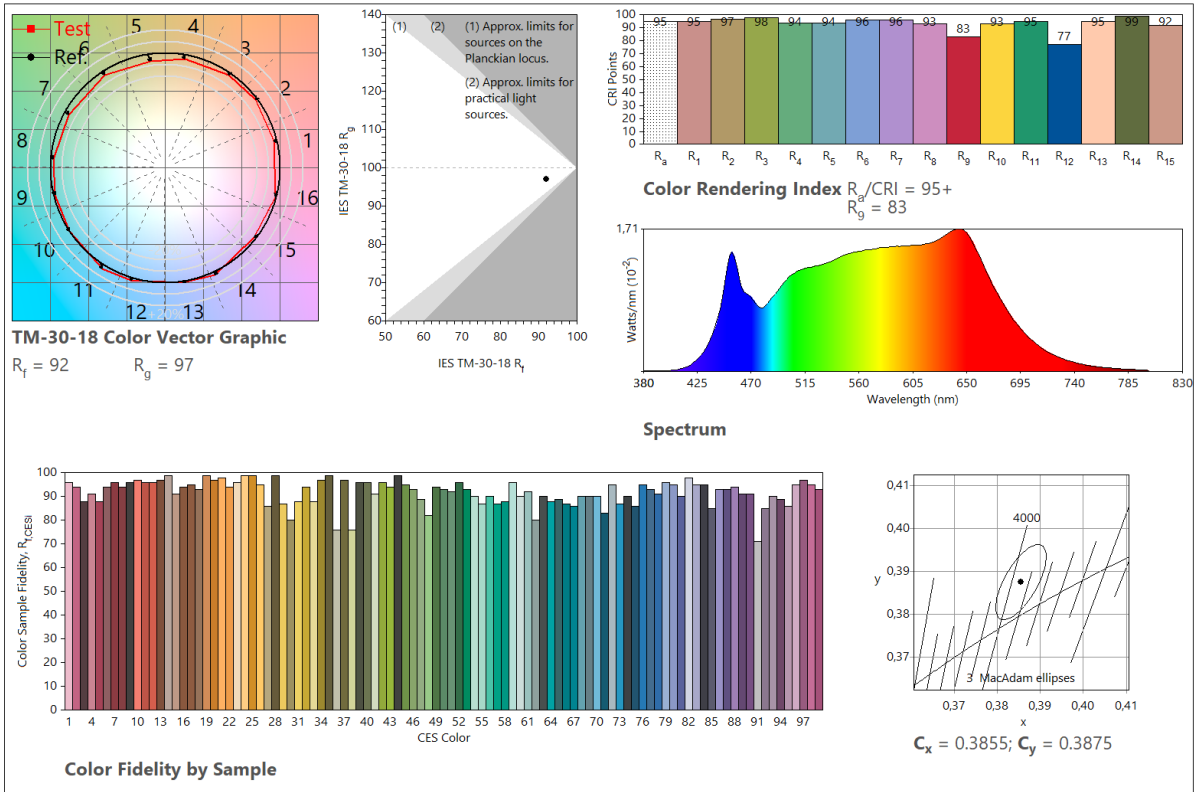
LFPxx00S-G5-930R-yy C



LFPxx00S-G5-935R-yy C

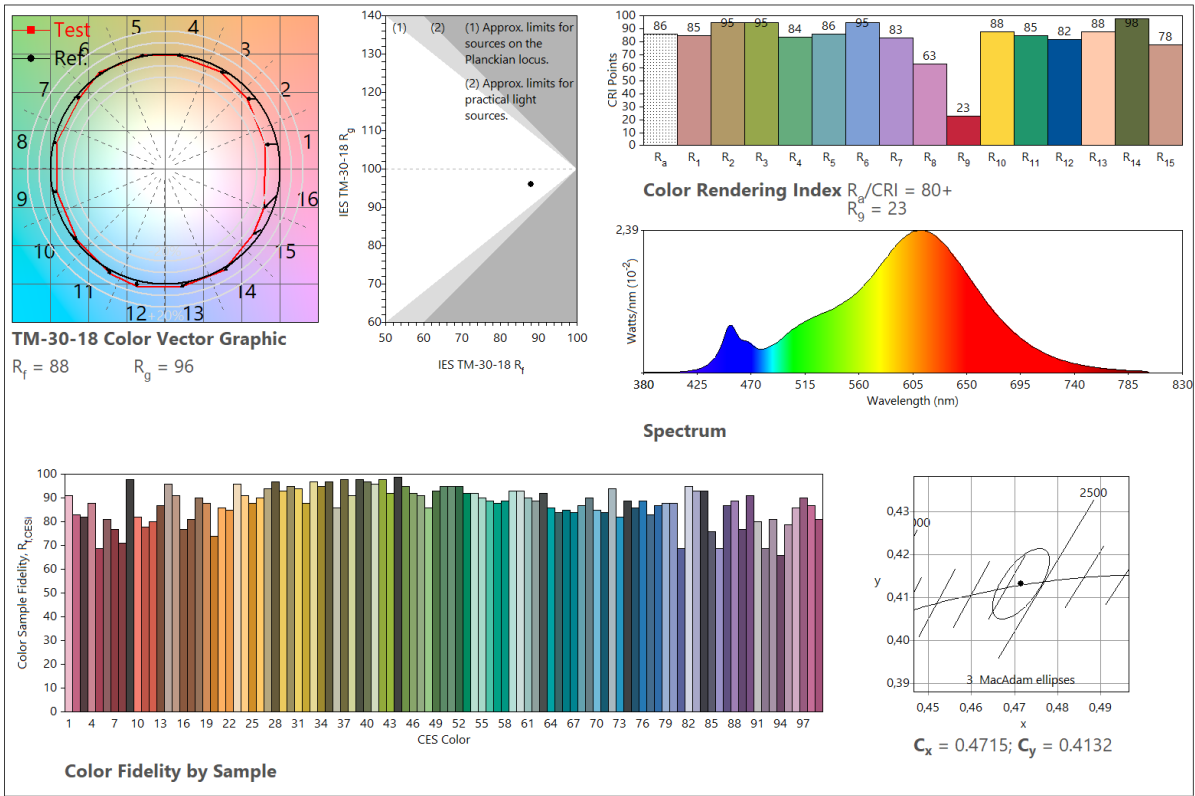


LFPxx00S-G5-940R-yy C

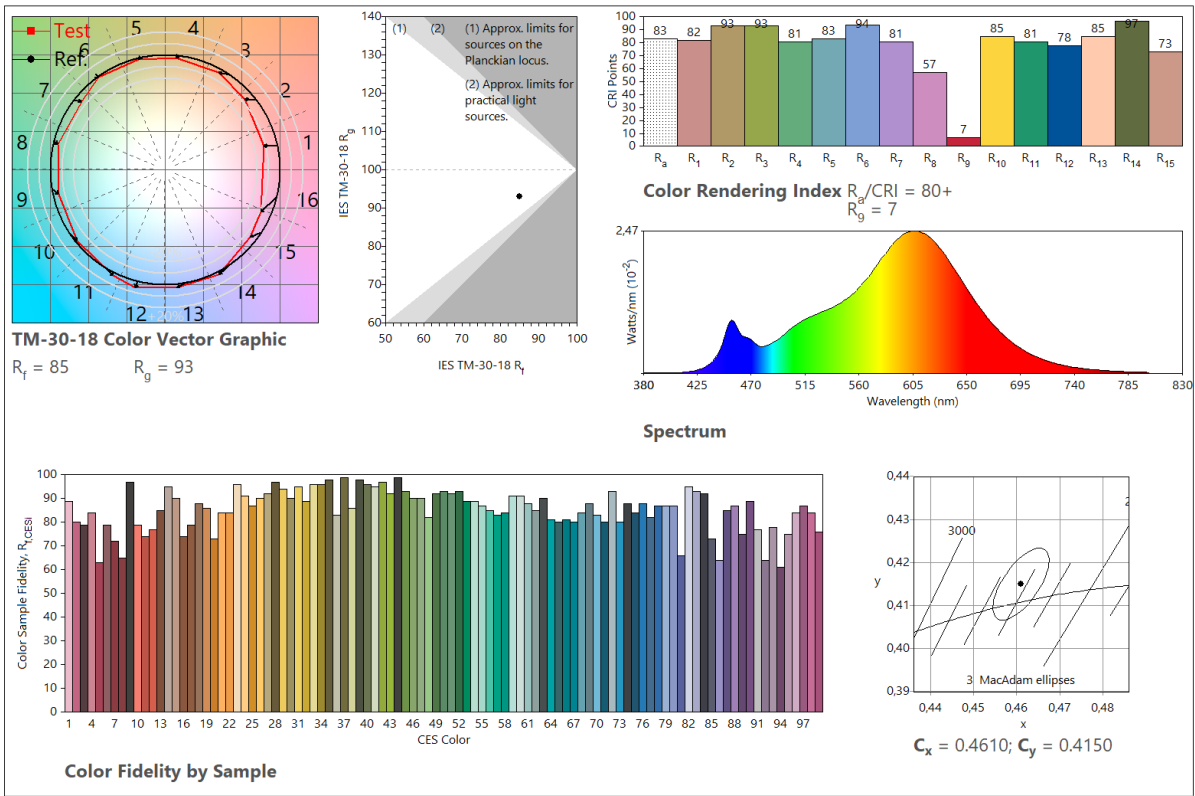


Color output data CRI 80+

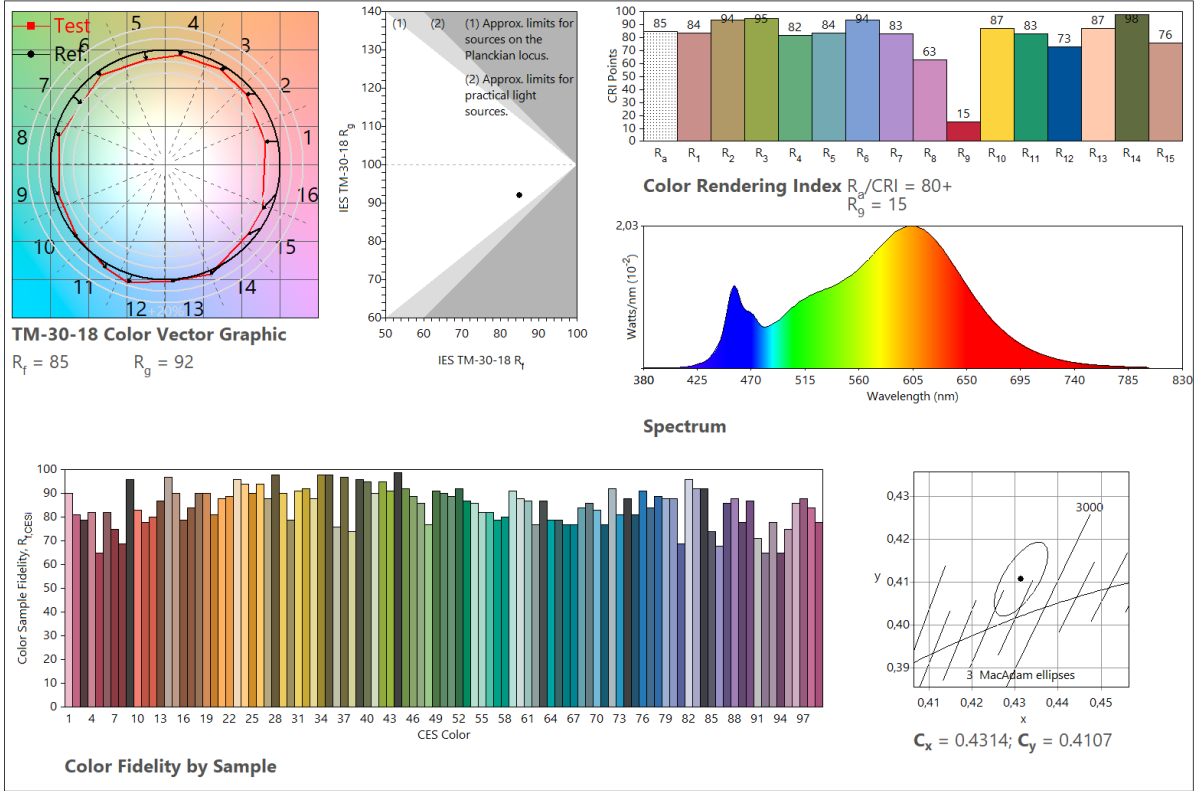
LFPxx00S-G5-825-yy C



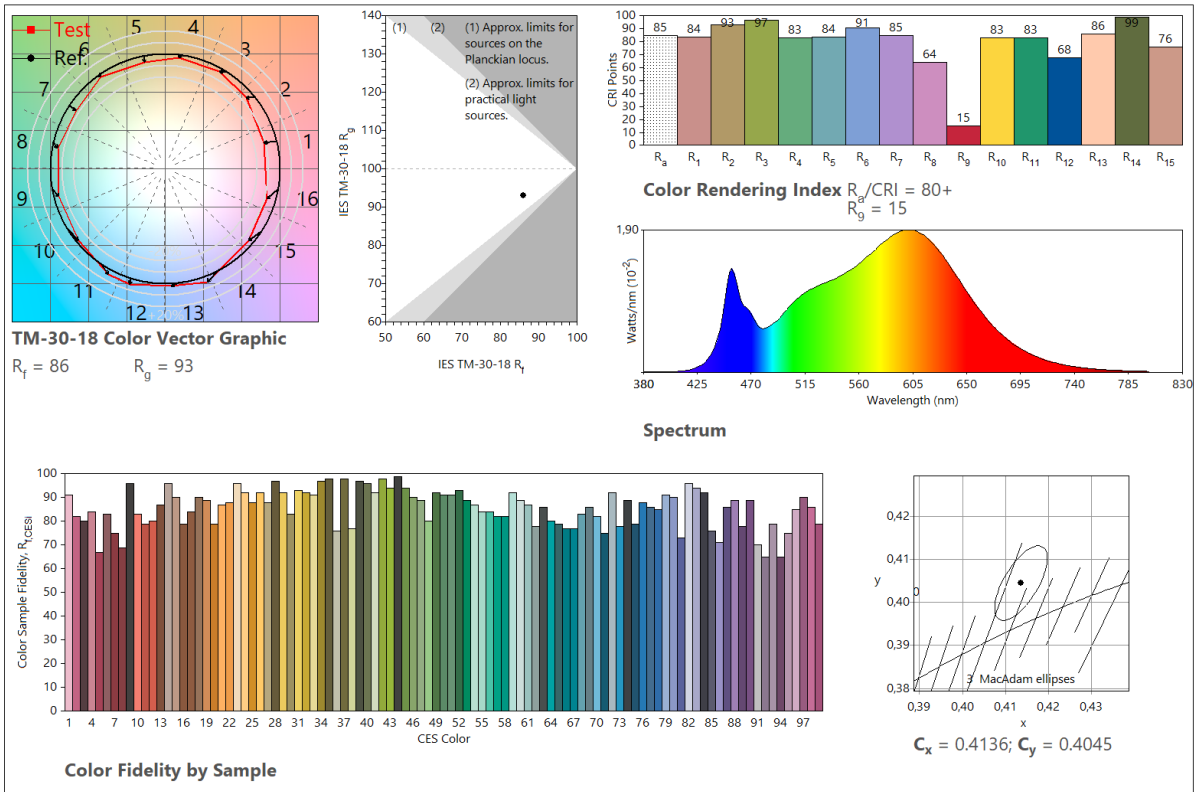
LFPxx00S-G5-827-yy C



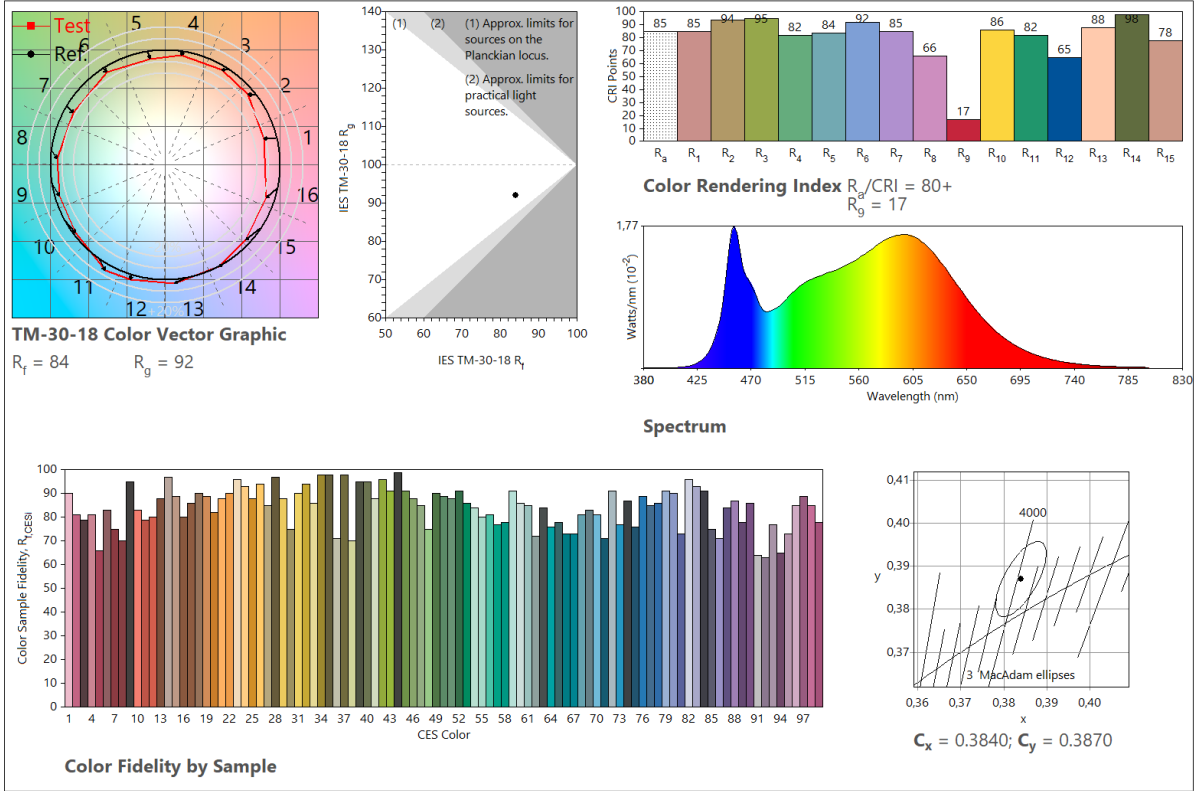
LFPxx00S-G5-830-yy C



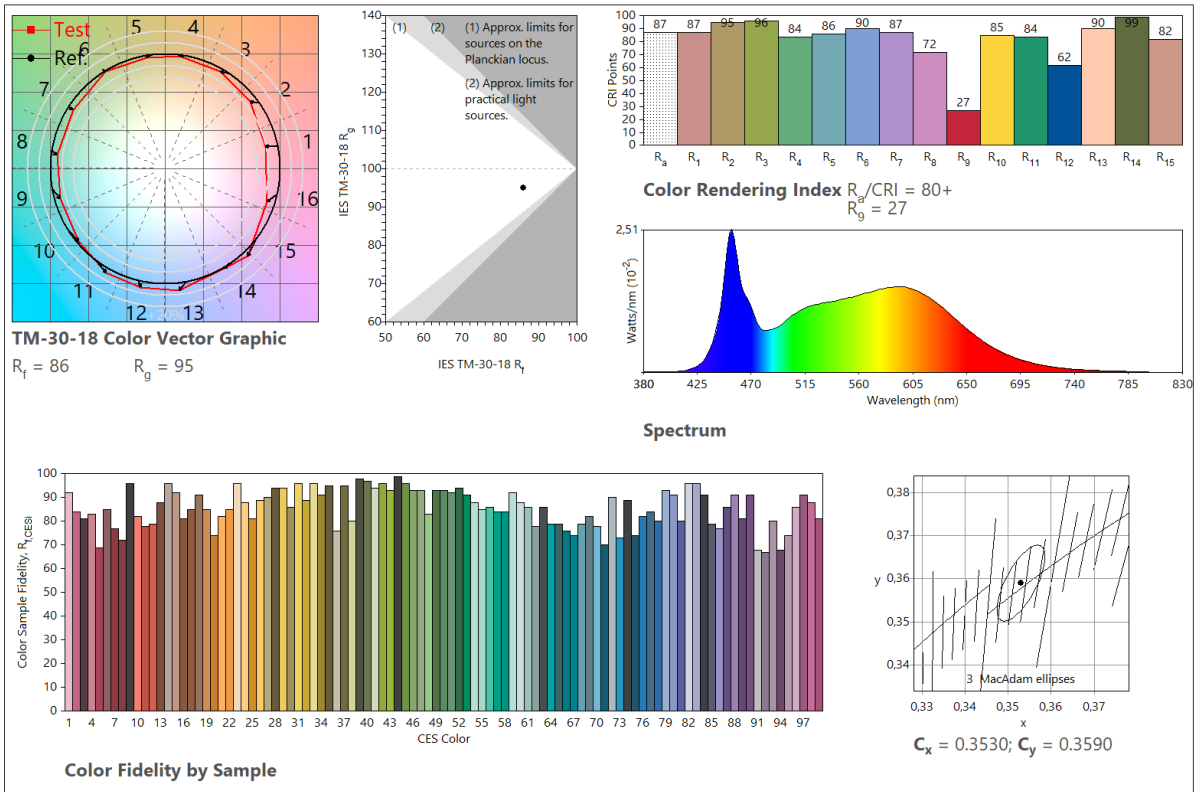
LFPxx00S-G5-835-yy C



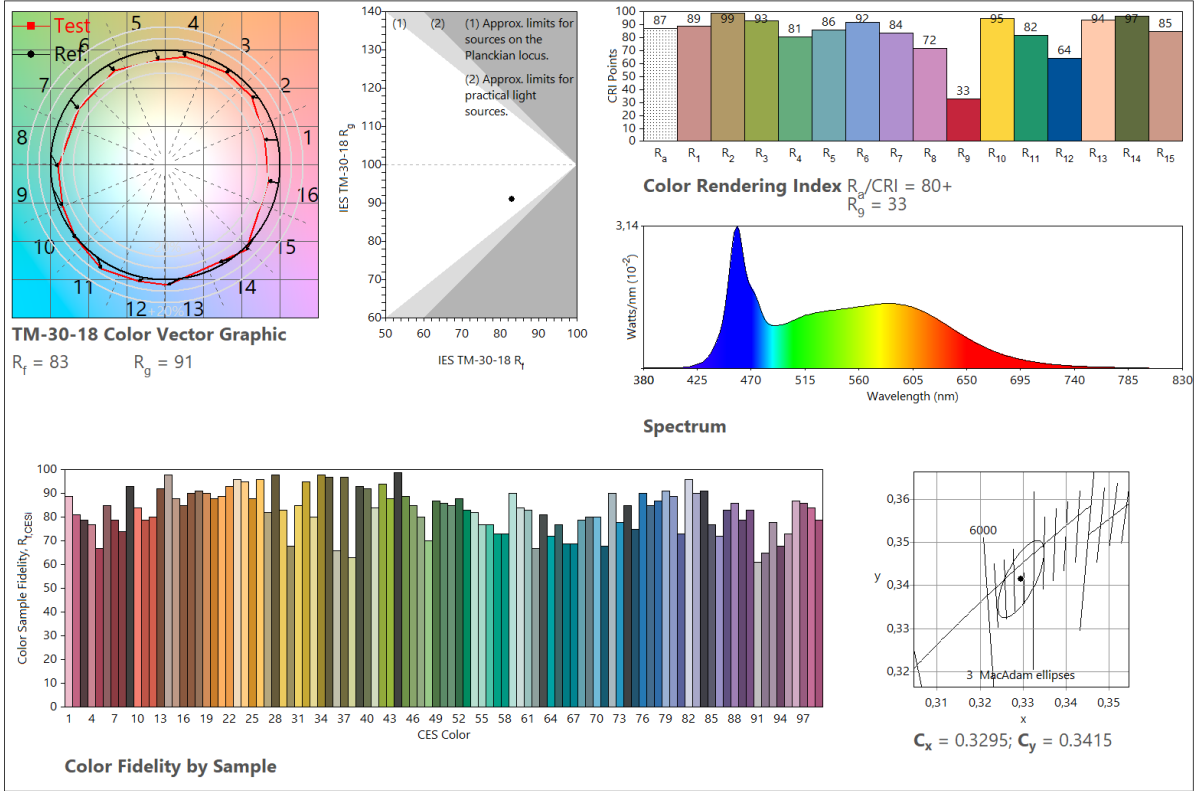
LFPxx00S-G5-840-yy C



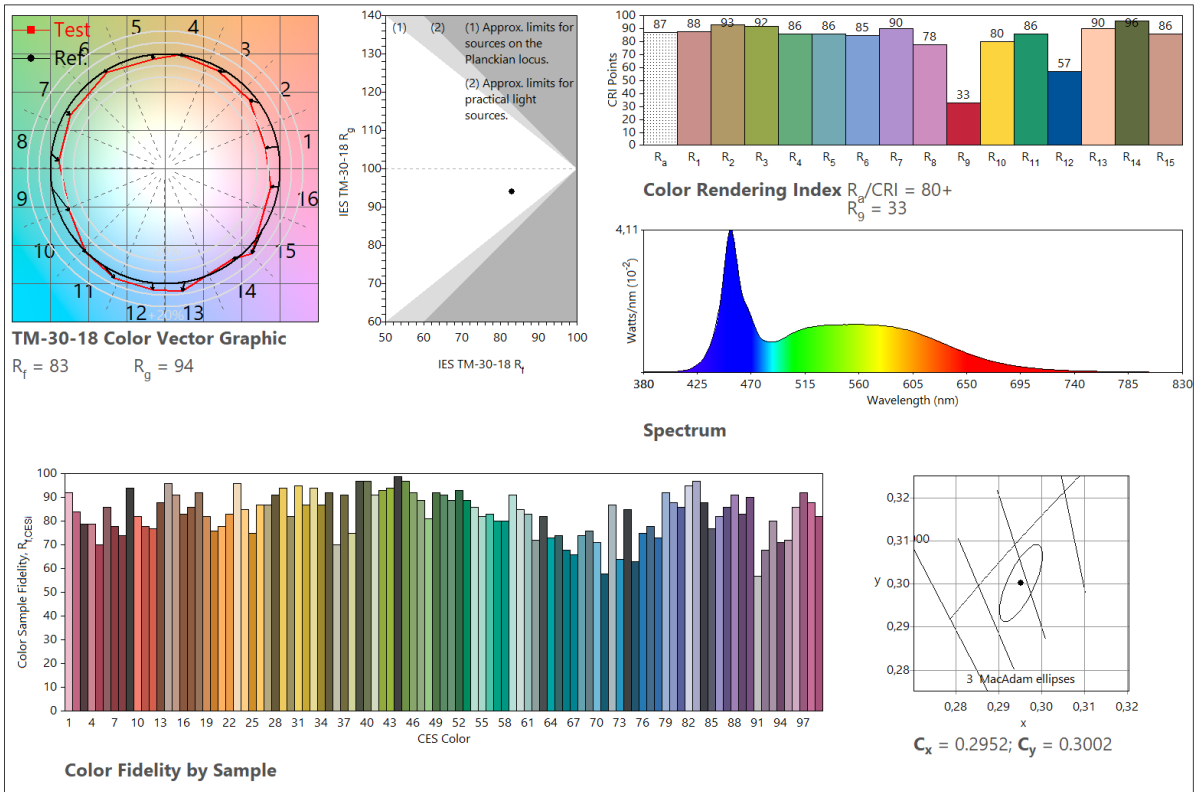
LFPxx00S-G5-847-yy C



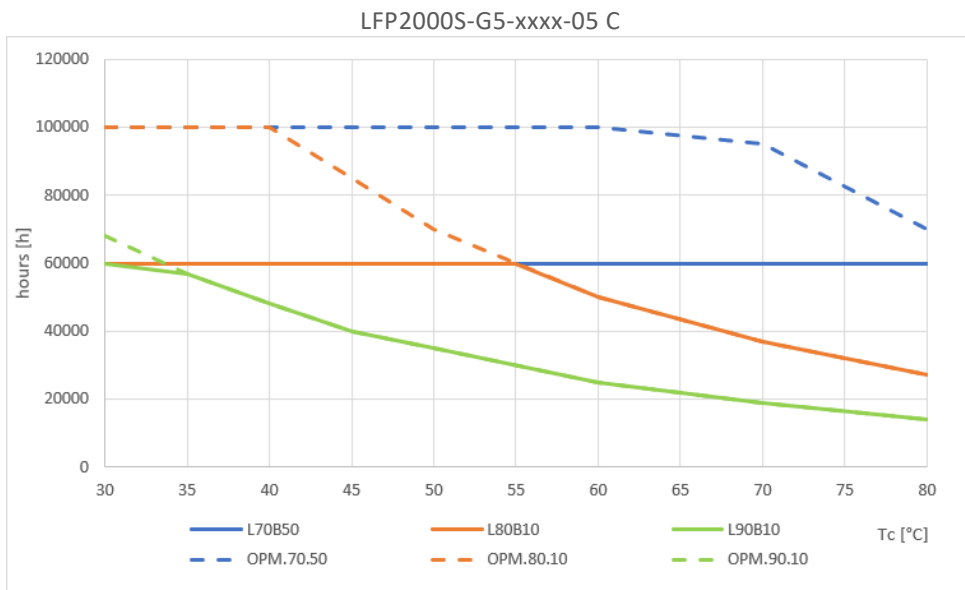
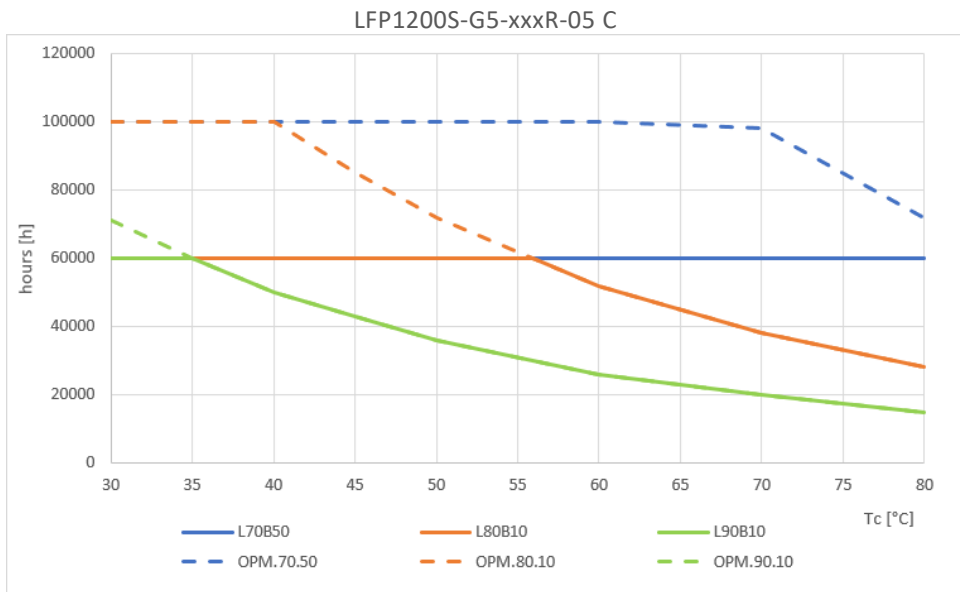
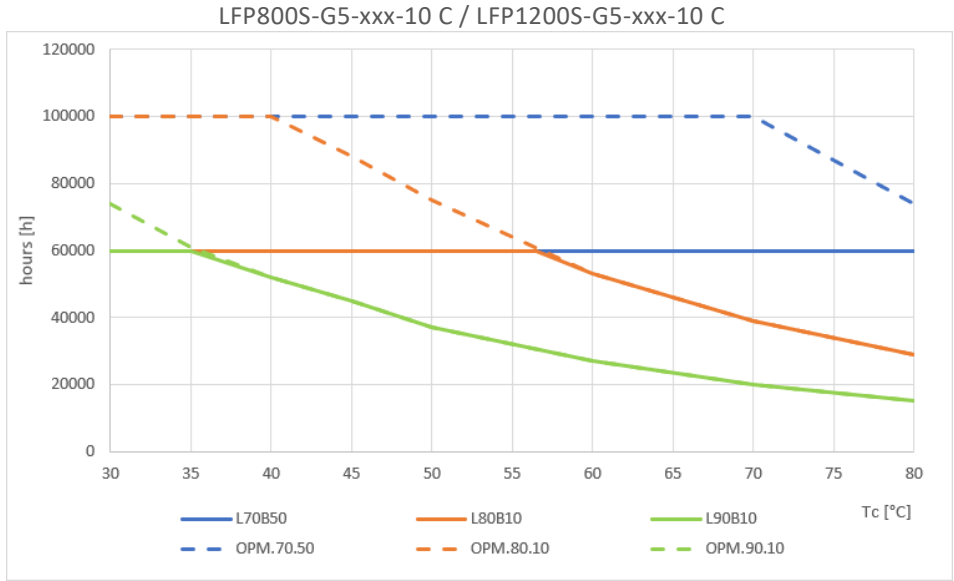
LFPxx00S-G5-857-yy C



LFPxx00S-G5-880-yy C



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
LFP800S-G5-xxx-10 C	1 x Led strip; 1 x connector factory assembled
LFP1200S-G5-xxx-10 C	1 x Led strip; 1 x connector factory assembled
LFP1200S-G5-xxxR-05 C	1 x Led strip; 1 x connector factory assembled
LFP2000S-G5-xxx-05 C	1 x Led strip; 1 x connector factory assembled














Installation accessories

Product Type	Product description	Product code (EAN10)	EAN10 Package content
 End cap IP67	ENDCAP-IP67 KIT 10PCS	4062172176552	10x endcap, 1x glue
 Connector IP67 500mm cable	CONN-FLEX-IP67-2P KIT 5PCS	4062172176590	5x connectors with wire
 Jumper IP67	JUMPER-FLEX-IP67-2P KIT 5PCS	4062172176576	5x jumpers














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

Profile System thermal compatibility

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

Data valid for following products: LFP800S-G5 ALL versions LFP1200S-G5 ALL versions LFP2000S-G5 ALL versions except the ones in the next table				SURFACE MOUNTING		RECESSED MOUNTING	
Track Type	Product description	Product code (EAN)					
 Slim Profile	LF-LTS-2100	4008321978981	50 °C		50 °C		
 Slim Profile	FX-QMS-G1-TU15H6-300	4052899448865	50 °C		50 °C		
 Slim Profile	FX-QMS-G1-TU15H6W3-300	4052899448889	50 °C		50 °C		
 Slim Profile	FX-QMS-G1-TU16H12-300	4052899448964	50 °C		50 °C		
 Slim Profile	FX-QMS-G1-TU16H12W3-300	4052899448988	50 °C		50 °C		
 Slim Profile	FX-QMS-G1-TR19H16-300	4052899449008	50 °C		50 °C		
 Slim Profile	FX-QMS-G1-TU16H12LS-300	4052899449046	50 °C		50 °C		
 Slim Profile	FX-QMS-G1-T45D19H19-300	4052899448667	50 °C		50 °C		
 Wide Profile	FX-QMW-G1-TK30D46H27-300	4052899448827	50 °C		50 °C		
 Wide Profile	FX-QMW-G1-TU26H8-300	4052899448643	50 °C		50 °C		
 Wide Profile	FX-QMW-G1-TU26H25W10-300	4052899448773	50 °C		50 °C		
 Wide Profile	FX-QMW-G1-TU26H25W2-300	4052899448841	50 °C		50 °C		
 Wide Profile	FX-QMW-G1-TU26H25-300	4052899448803	50 °C		50 °C		

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

Data valid for following products: LFP2000S-G5 versions: 825-927-930-937R-930R → "A" LFP2000S-G5 versions: 827-830-835-940-947-957-980-940R → "B"				SURFACE MOUNTING		RECESSED MOUNTING	
Track Type	Product description	Product code (EAN)	"A"	"B"	"A"	"B"	
 Slim Profile	LF-LTS-2100	4008321978981	42 °C	45 °C	35 °C	40 °C	
 Slim Profile	FX-QMS-G1-TU15H6-300	4052899448865	45 °C	47 °C	38 °C	43 °C	
 Slim Profile	FX-QMS-G1-TU15H6W3-300	4052899448889	45 °C	47 °C	38 °C	43 °C	
 Slim Profile	FX-QMS-G1-TU16H12-300	4052899448964	42 °C	50 °C	40 °C	45 °C	
 Slim Profile	FX-QMS-G1-TU16H12W3-300	4052899448988	42 °C	50 °C	40 °C	45 °C	
 Slim Profile	FX-QMS-G1-TR19H16-300	4052899449008	42 °C	50 °C	40 °C	45 °C	
 Slim Profile	FX-QMS-G1-TU16H12LS-300	4052899449046	42 °C	50 °C	40 °C	45 °C	
 Slim Profile	FX-QMS-G1-T45D19H19-300	4052899448667	47 °C	50 °C	43 °C	47 °C	
 Wide Profile	FX-QMW-G1-TK30D46H27-300	4052899448827	50 °C	50 °C	45 °C	50 °C	
 Wide Profile	FX-QMW-G1-TU26H8-300	4052899448643	42 °C	50 °C	40 °C	46 °C	
 Wide Profile	FX-QMW-G1-TU26H25W10-300	4052899448773	45 °C	50 °C	38 °C	48 °C	
 Wide Profile	FX-QMW-G1-TU26H25W2-300	4052899448841	45 °C	50 °C	38 °C	48 °C	
 Wide Profile	FX-QMW-G1-TU26H25-300	4052899448803	45 °C	50 °C	38 °C	48 °C	

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

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.

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OSRAM