

Light is OSRAM

LINEARlight[®] FLEX Low Power

The best solution for amazing decorative lighting
LF500-G1



Features & Benefits

- Luminous flux up to 520 lm/m
- Color uniformity ≤ 2 SDCM*
- Lifetime up to 60.000 h L80B10 at Tp
- CRI 90 and 80 options
- Internal constant current regulator
- LM80 & LM79 compliant
- High light quality and large selection of light color temperatures
- Dimmable by OPTOTRONIC[®] LED drivers
- Great design freedom thanks to flexibility and cuttability of the LED strip
- Toolless connection with the optional SLIMCONNECTsystem G2
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- Reel-to-Reel technology
- Made in Italy

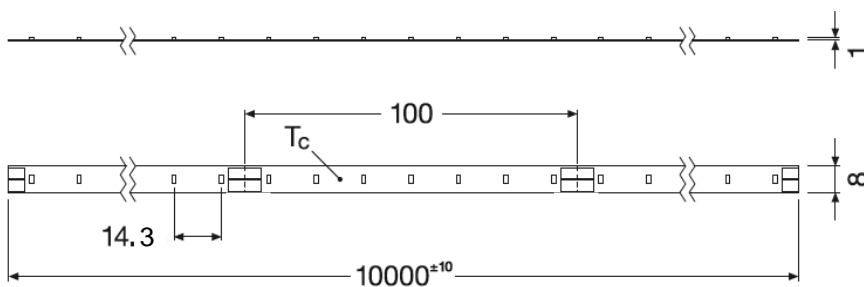
Application areas

Decorative Lighting, Path lighting

Standards

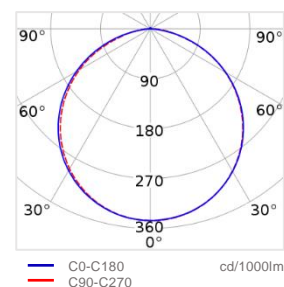
CE, ENEC 10, EAC, VDE, CSA and UL recognized

Technical data


















Lowest Bending Radius = 20mm
Number LED/m = 70

Nominal Voltage	24.0 V
Reverse voltage protection up to	25.0 V
Temperature range in operation @ Tc point	-30...+75 °C
Storage Temperature	-40...+85 °C
Ambient Temperature with profile **	-30...+50 °C



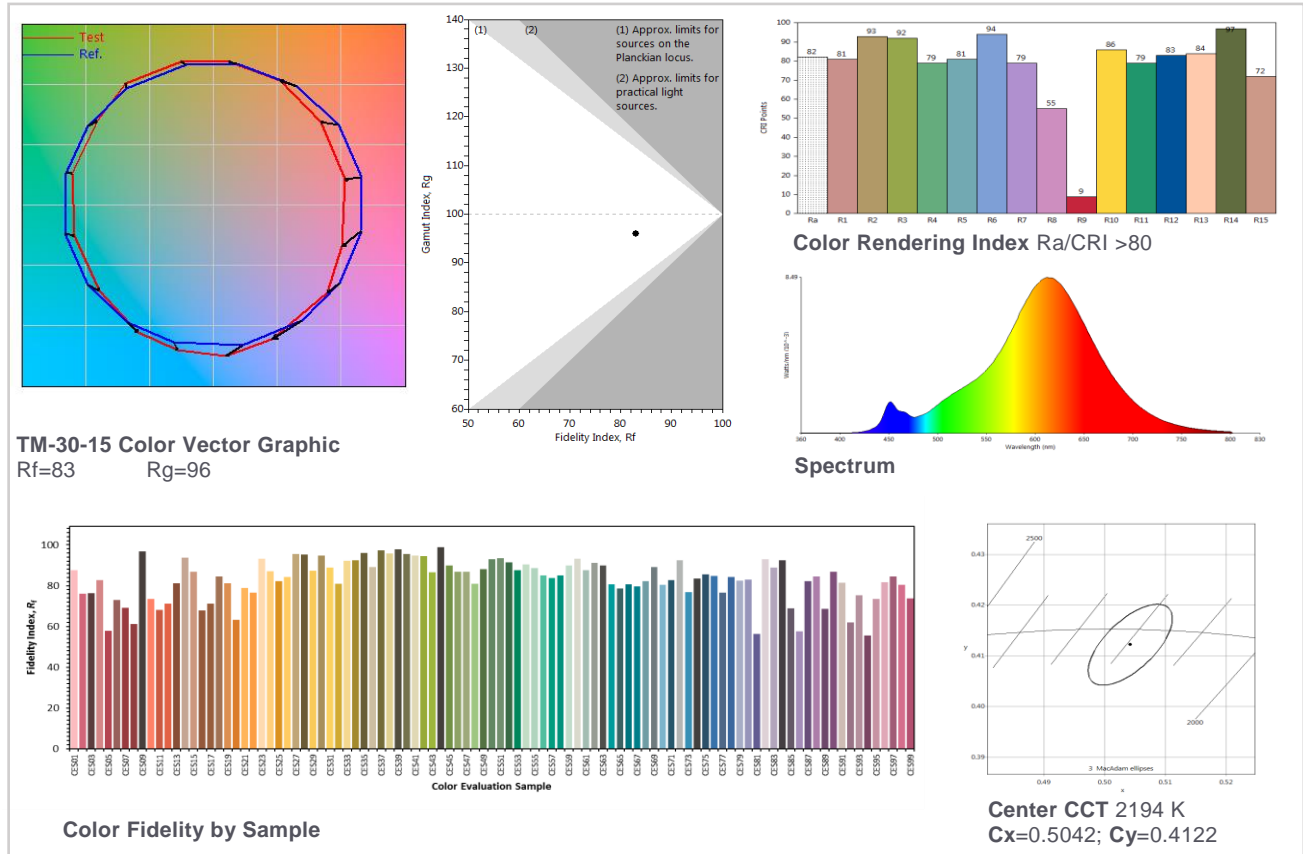
Beam Angle 120°

Technical data

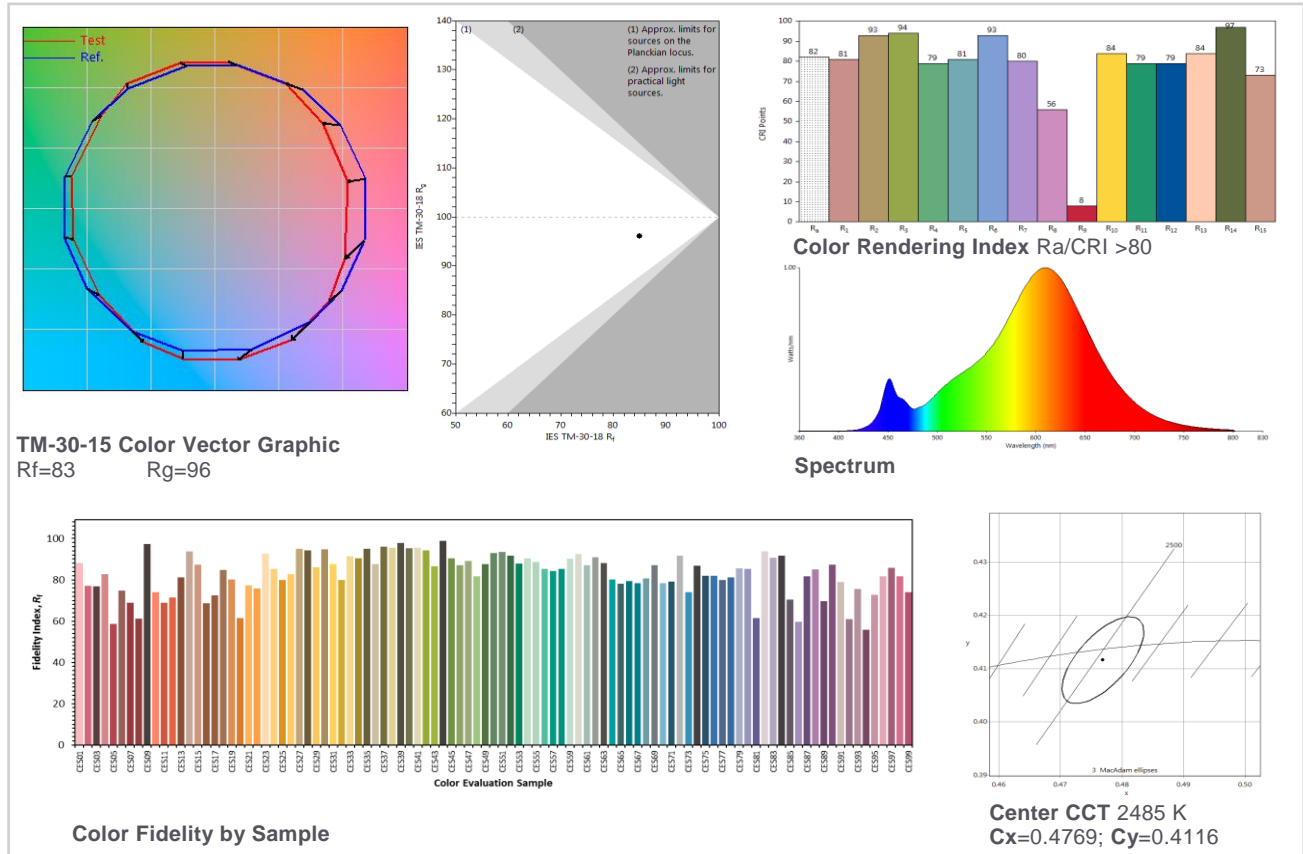
LF500	 Nominal CCT <small>See color output data</small>	CRI	Luminous Flux per meter lm/m	Power W/m	Luminous Efficacy lm/W	Performance Temp. T_p °C	Length m
LF500-G1-822-10	 2200 K	>80	440	3.9	113	35	10
LF500-G1-825-10	 2500 K	>80	480	3.9	123	35	10
LF500-G1-827-10	 2700 K	>80	480	3.9	123	35	10
LF500-G1-830-10	 3000 K	>80	520	3.9	133	35	10
LF500-G1-835-10	 3500 K	>80	520	3.9	133	35	10
LF500-G1-840-10	 4000 K	>80	520	3.9	133	35	10
LF500-G1-850-10	 5000 K	>80	520	3.9	133	35	10
LF500-G1-865-10	 6500 K	>80	520	3.9	133	35	10
LF500-G1-922-10	 2200 K	>90	360	3.9	92	35	10
LF500-G1-927-10	 2700 K	>90	400	3.9	103	35	10
LF500-G1-930-10	 3000 K	>90	400	3.9	103	35	10
LF500-G1-935-10	 3500 K	>90	440	3.9	113	35	10
LF500-G1-940-10	 4000 K	>90	440	3.9	113	35	10
LF500-G1-965-10	 6500 K	>90	440	3.9	113	35	10

Color output data

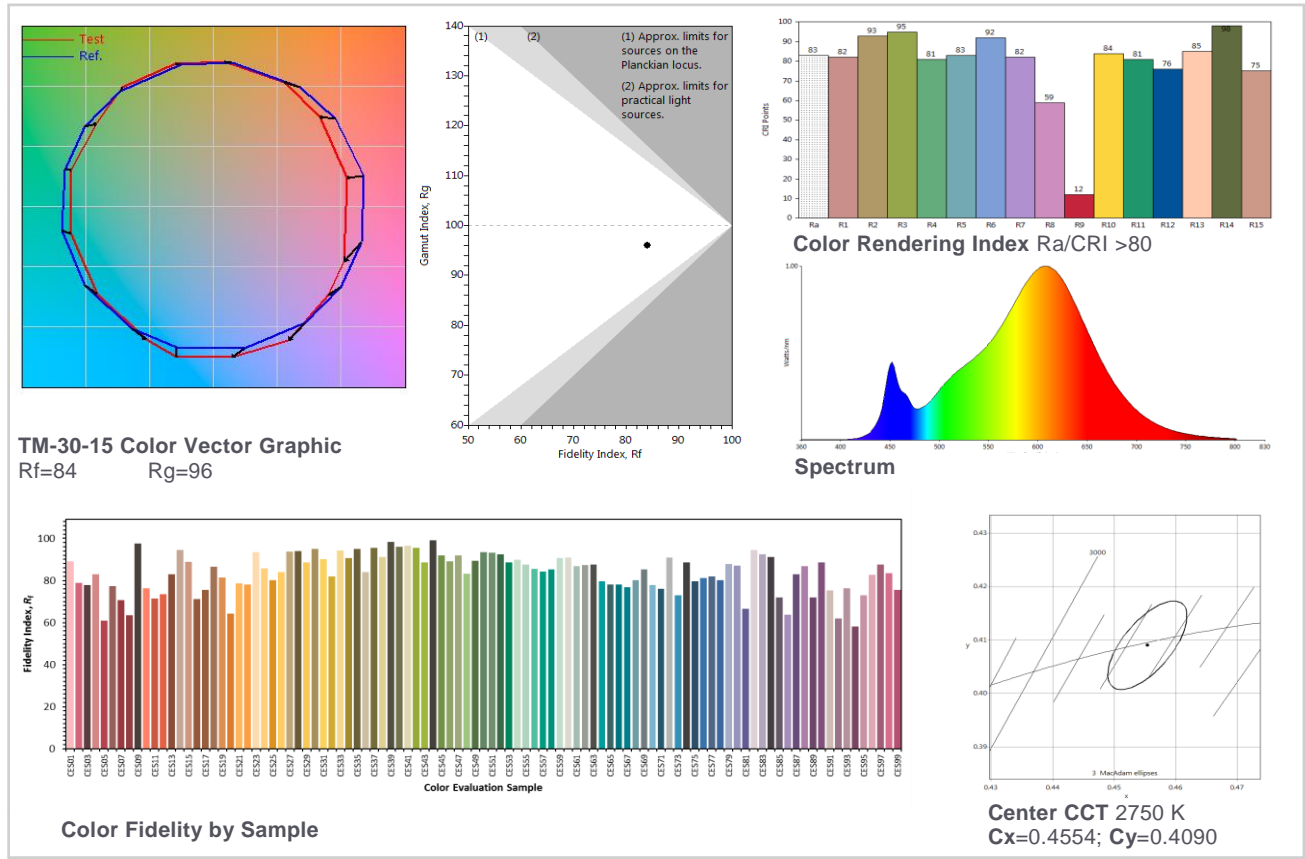
LF500-G1-822



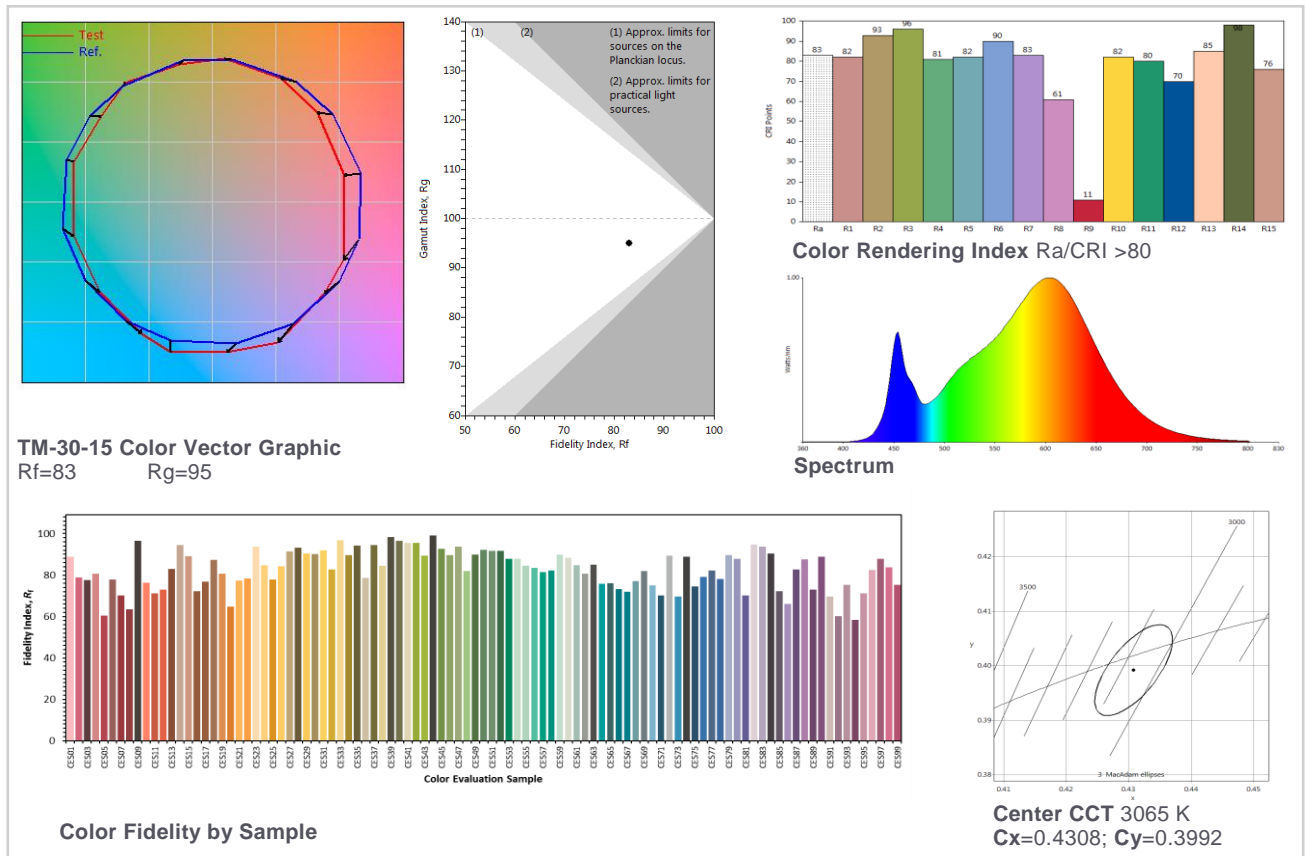
LF500-G1-825



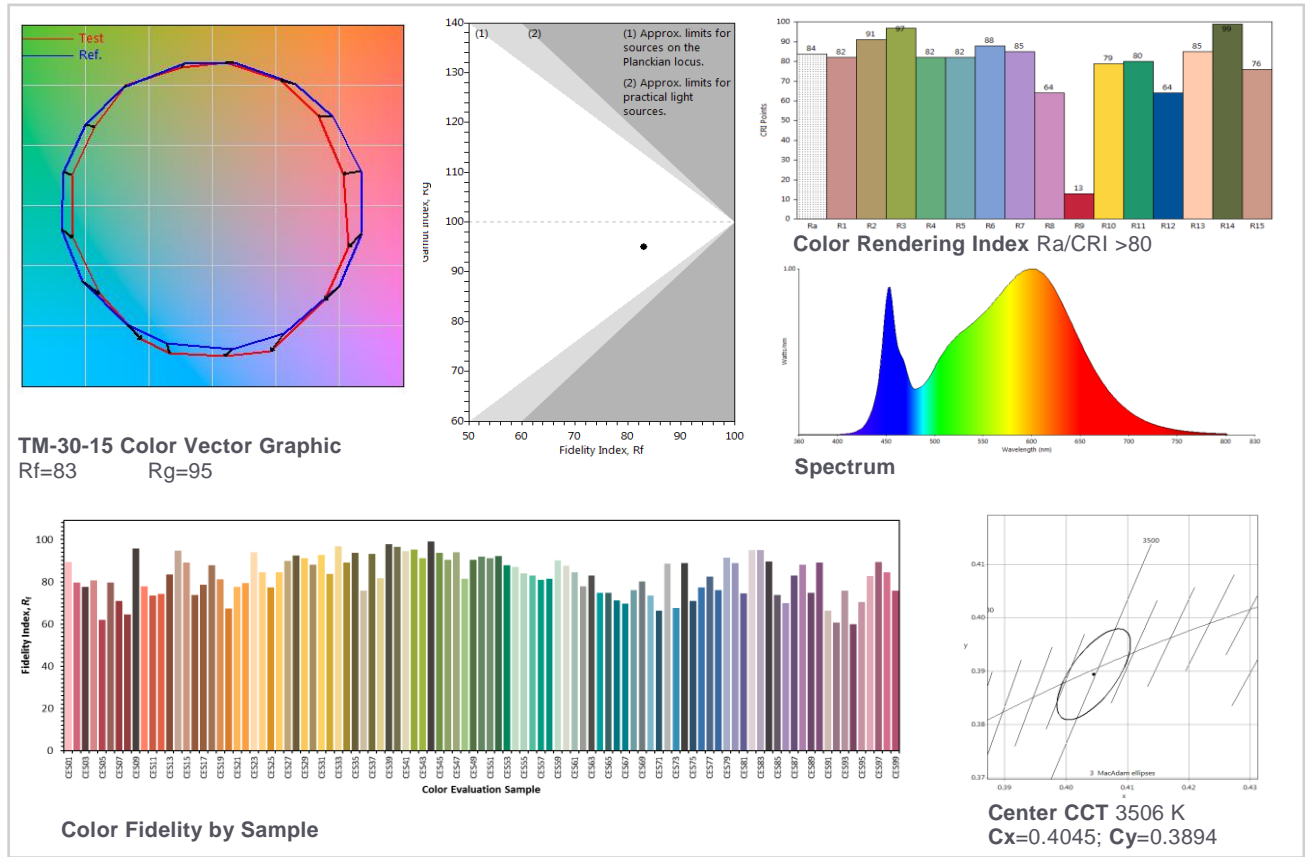
LF500-G1-827



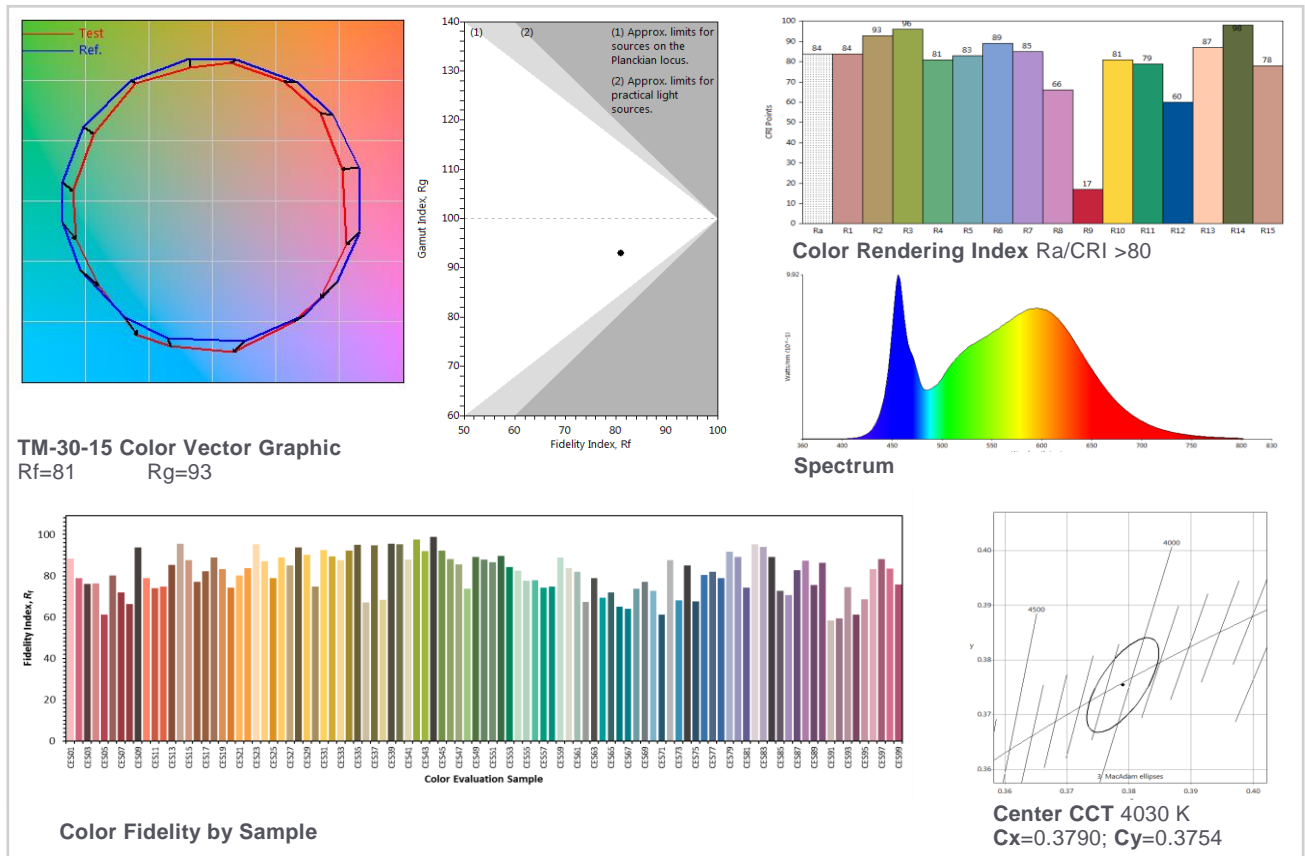
LF500-G1-830



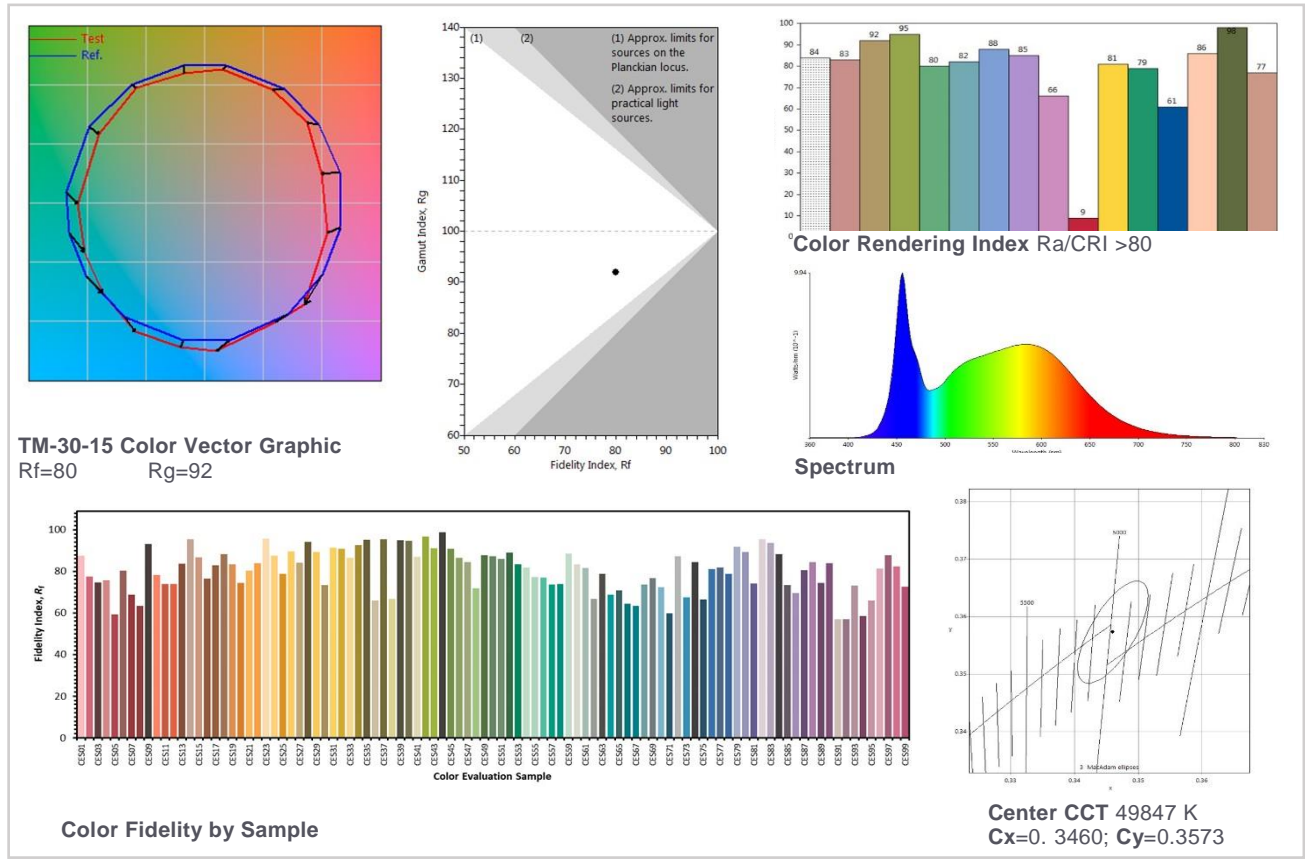
LF500-G1-835



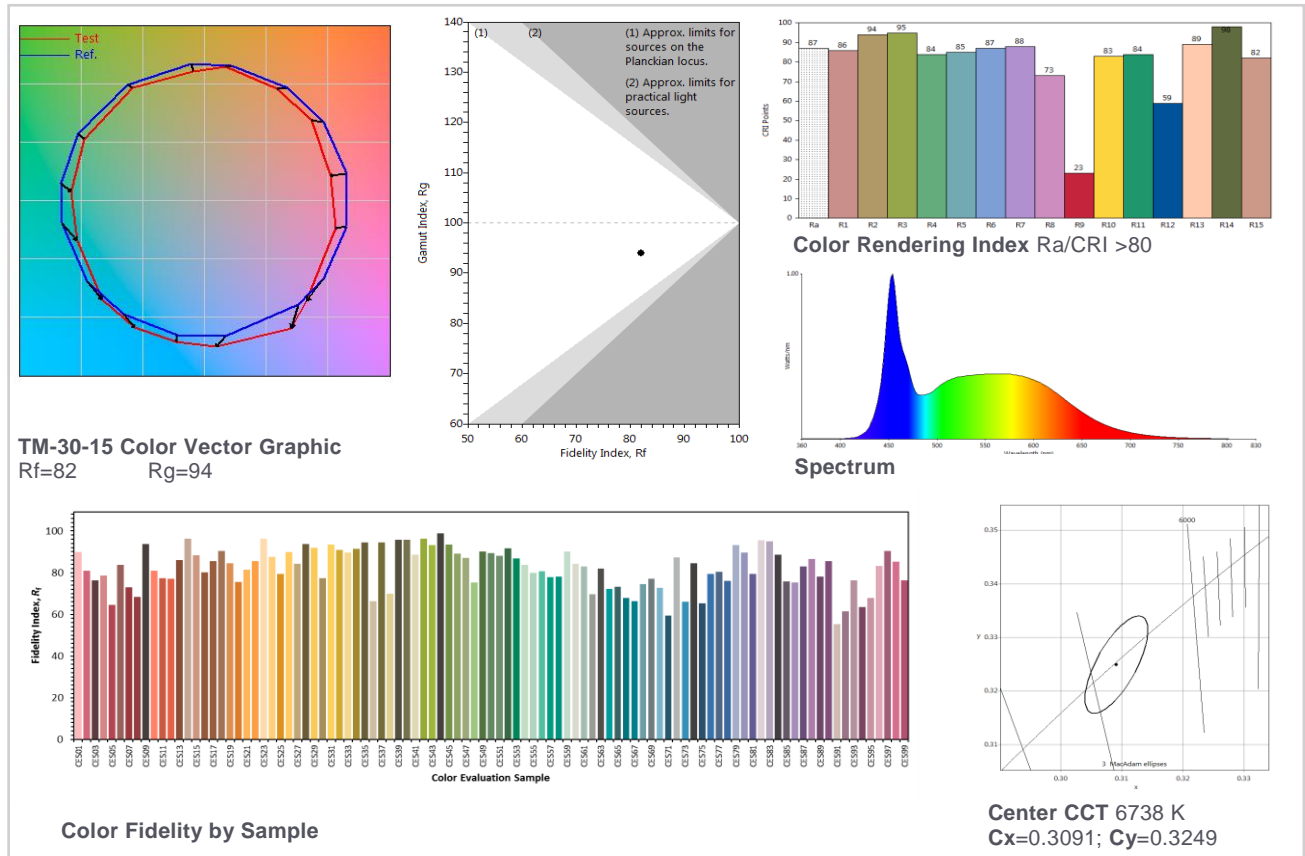
LF500-G1-840



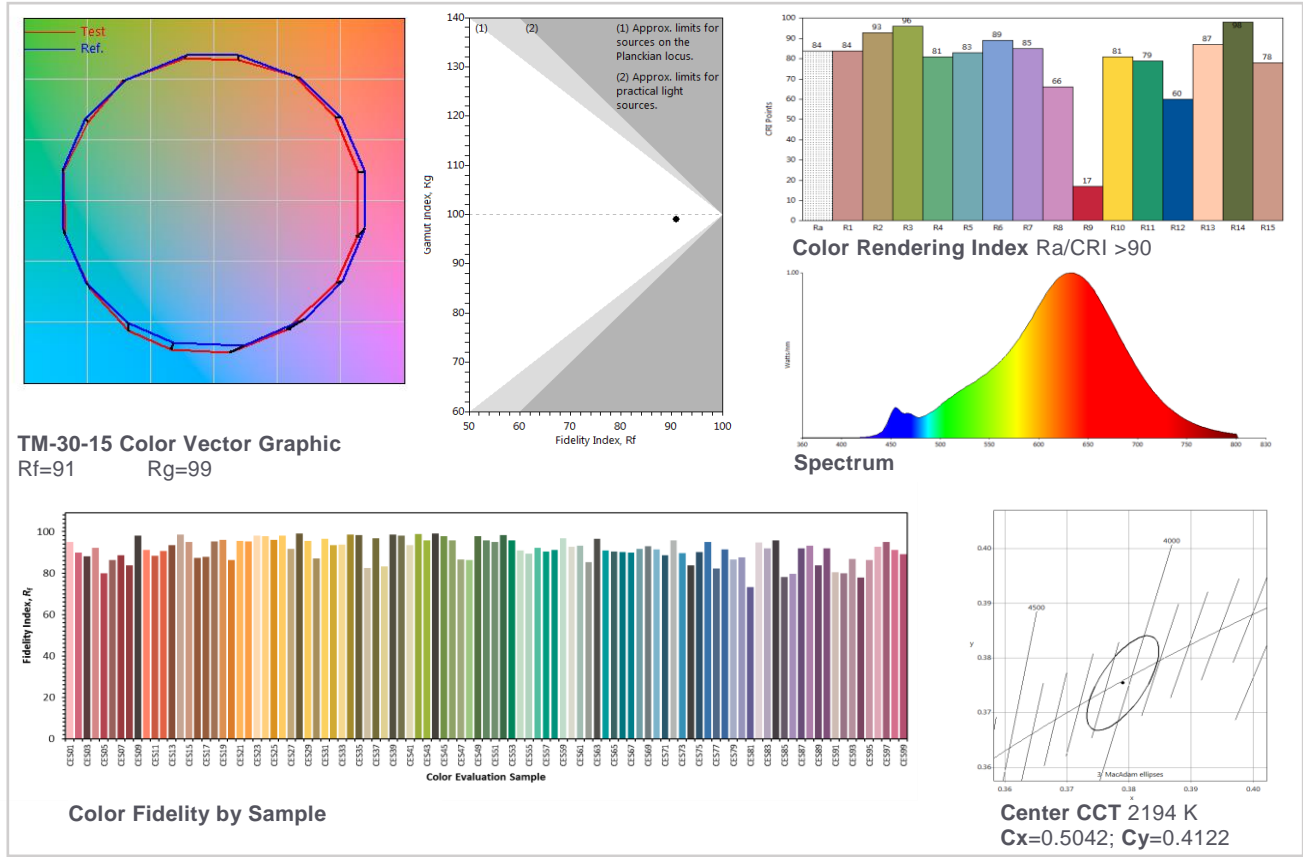
LF500-G1-850



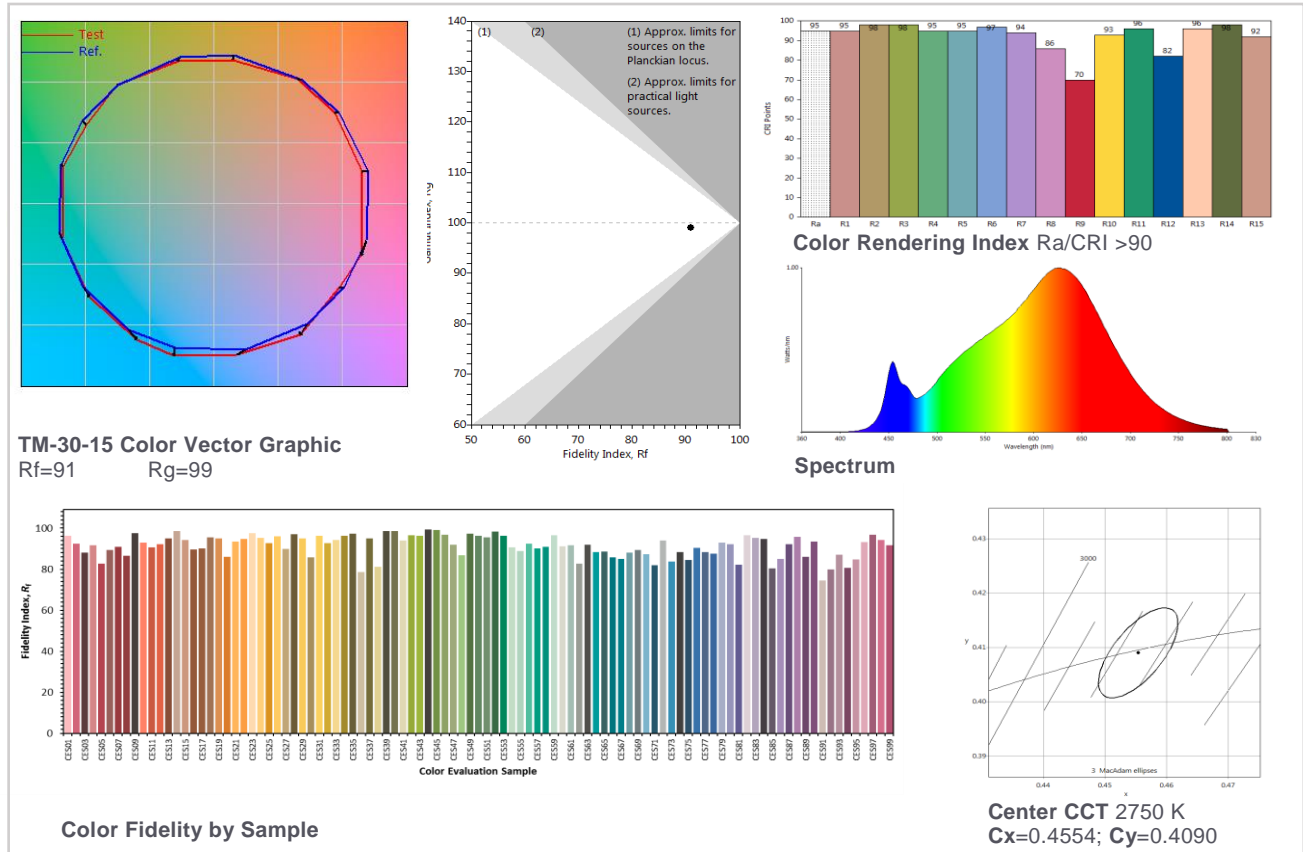
LF500-G1-865



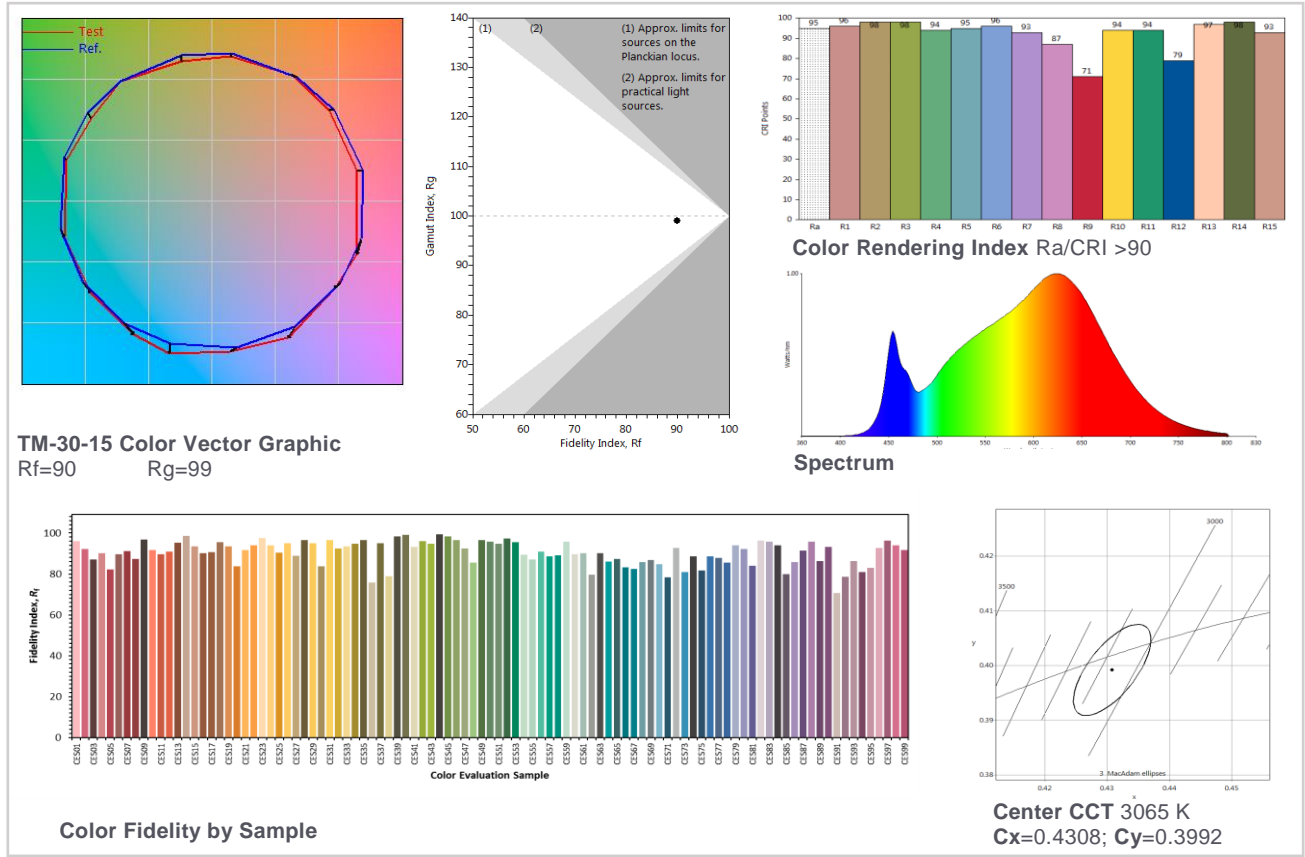
LF500-G1-922



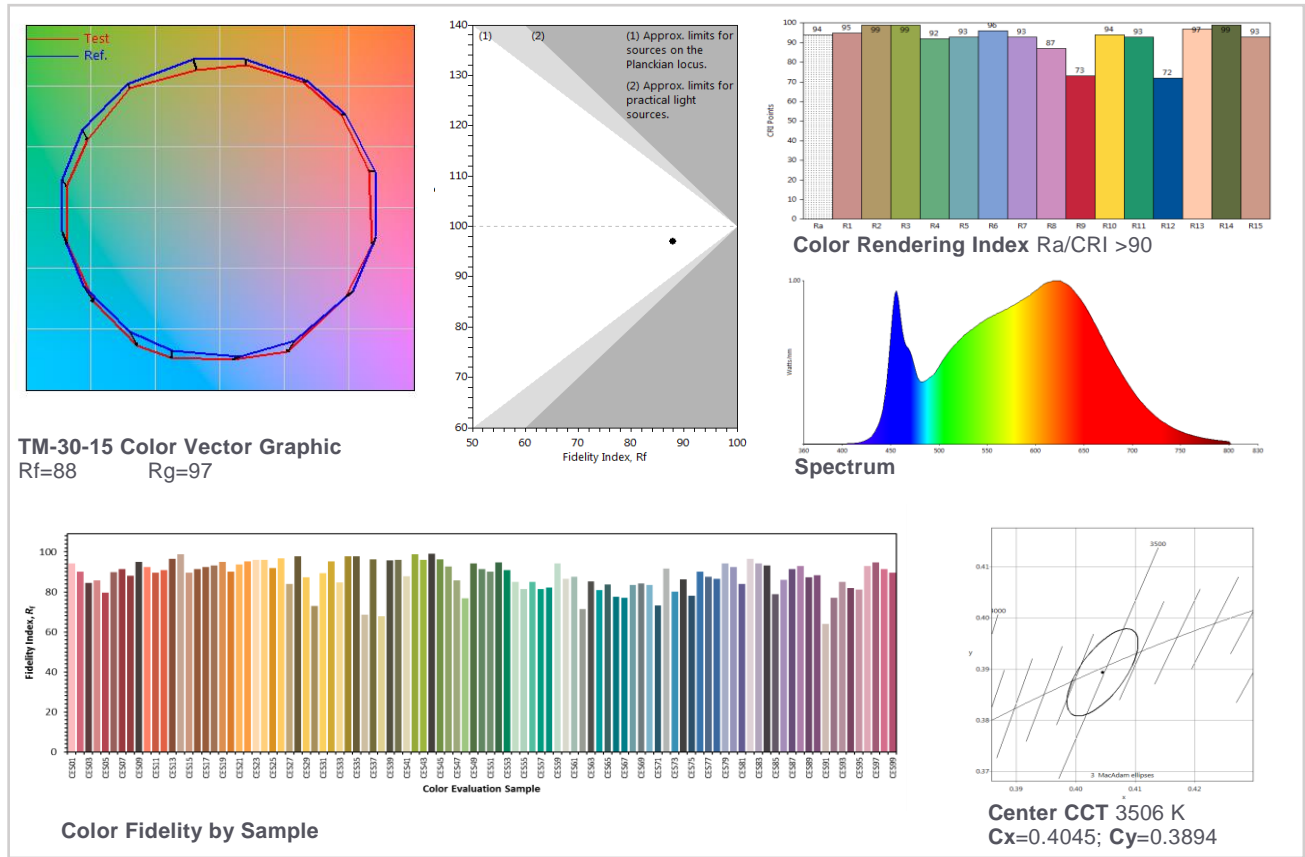
LF500-G1-927



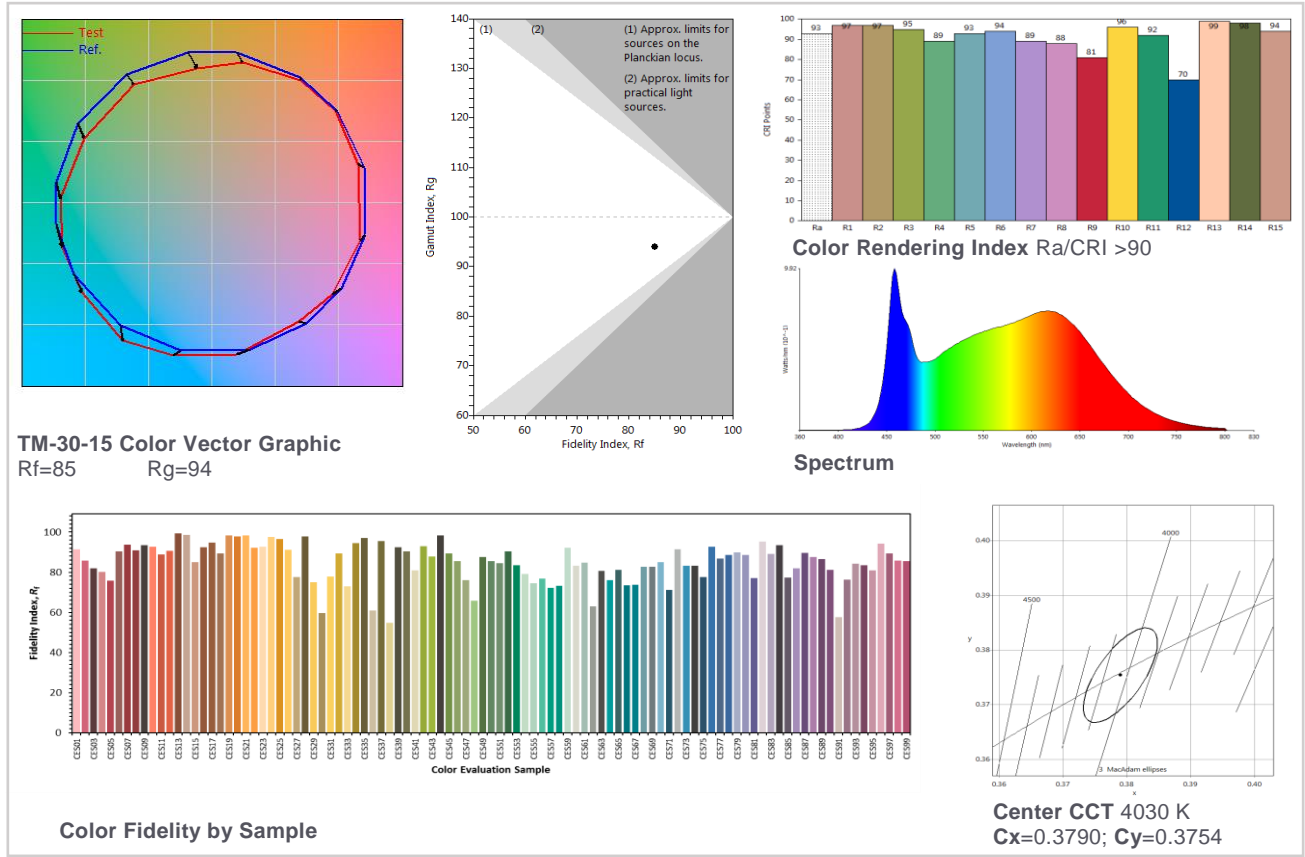
LF500-G1-930



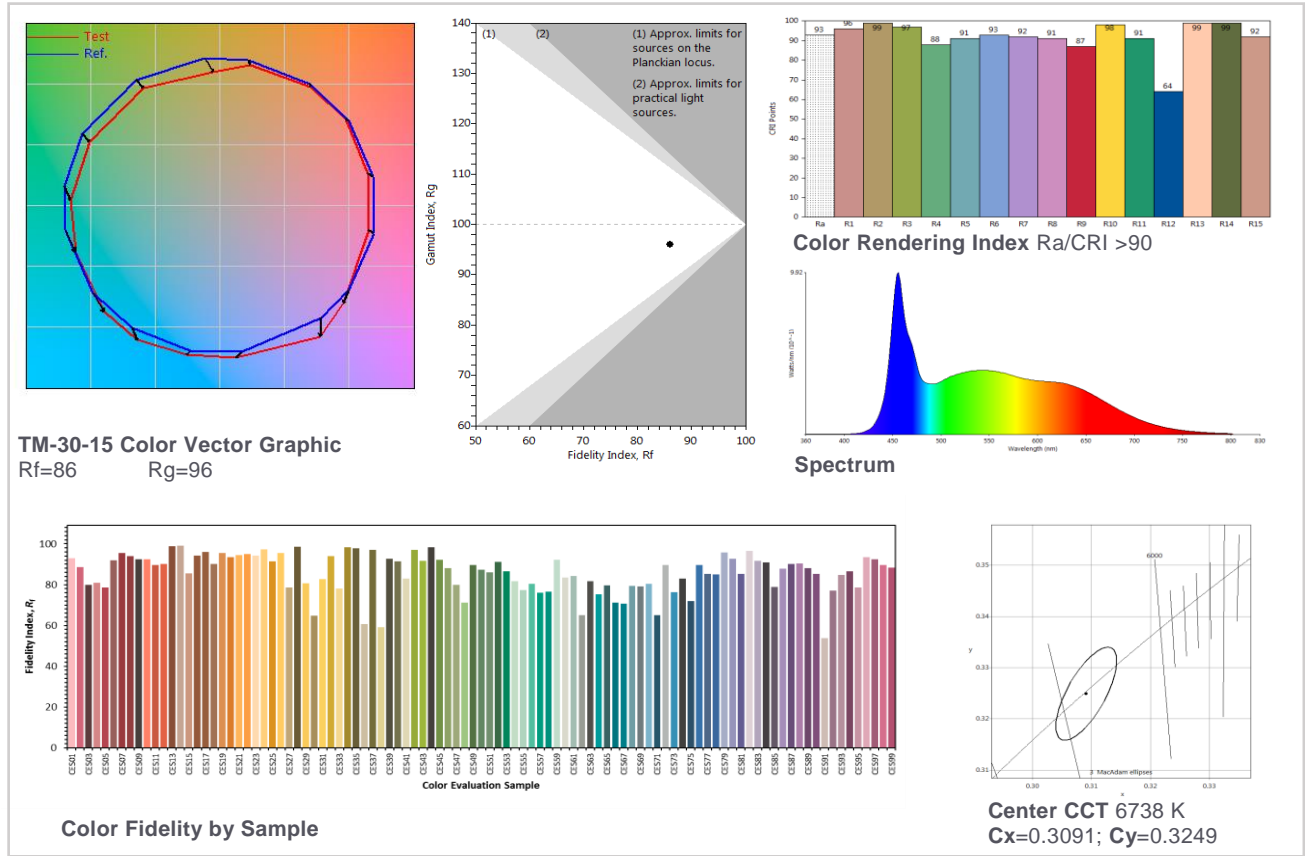
LF500-G1-935



LF500-G1-940

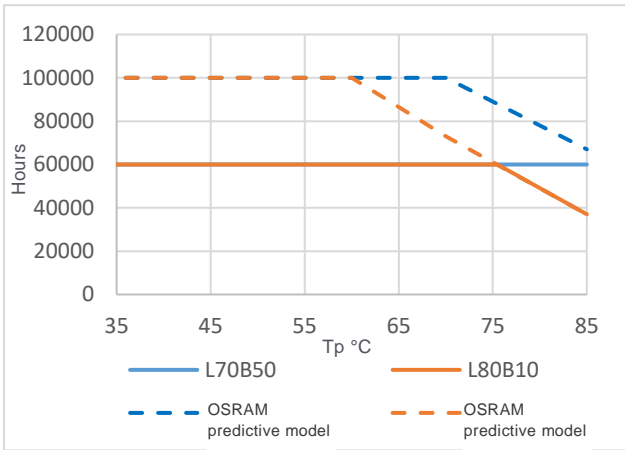


LF500-G1-965

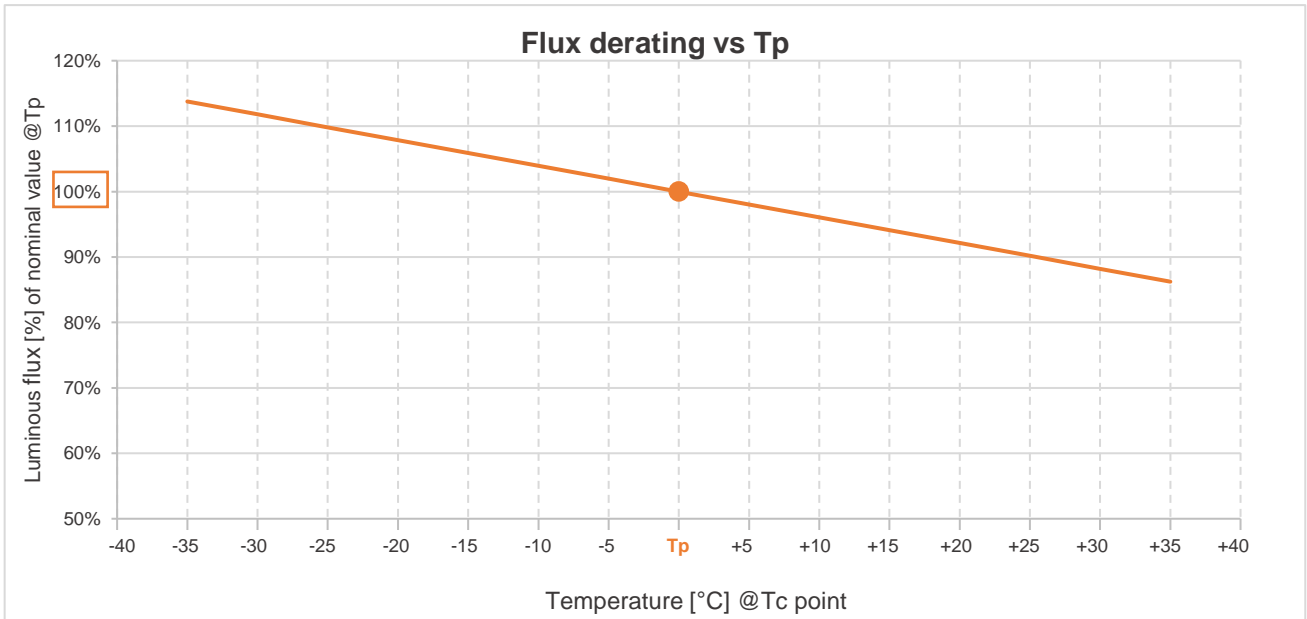


Lifetime

LF500



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 (length x width x height)	EAN10 Package content
LF500-G1-822-10	4052899575134	10000 x 8 x 1 mm	1x Led strip; 1x connector
LF500-G1-825-10	4052899575158	10000 x 8 x 1 mm	1x Led strip; 1x connector
LF500-G1-827-10	4052899575172	10000 x 8 x 1 mm	1x Led strip; 1x connector
LF500-G1-830-10	4052899575196	10000 x 8 x 1 mm	1x Led strip; 1x connector
LF500-G1-835-10	4052899575219	10000 x 8 x 1 mm	1x Led strip; 1x connector
LF500-G1-840-10	4052899575233	10000 x 8 x 1 mm	1x Led strip; 1x connector
LF500-G1-850-10	4062172061988	10000 x 8 x 1 mm	1x Led strip; 1x connector
LF500-G1-865-10	4052899575257	10000 x 8 x 1 mm	1x Led strip; 1x connector
LF500-G1-922-10	4062172002394	10000 x 8 x 1 mm	1x Led strip; 1x connector
LF500-G1-927-10	4052899575271	10000 x 8 x 1 mm	1x Led strip; 1x connector
LF500-G1-930-10	4052899575295	10000 x 8 x 1 mm	1x Led strip; 1x connector
LF500-G1-935-10	4052899575318	10000 x 8 x 1 mm	1x Led strip; 1x connector
LF500-G1-940-10	4052899575332	10000 x 8 x 1 mm	1x Led strip; 1x connector
LF500-G1-965-10	4052899575356	10000 x 8 x 1 mm	1x Led strip; 1x connector
















Choose your accessories

Product Type	Product description	Product code	Package content
 Connector	FX-SC08-G2-CT2PF-0500	4052899464735	20x Connector (500mm wire)
 Connector	FX-SC08-G2-CT2PF-1000	4052899464766	20x Connector (1000mm wire)
 Jumper	FX-SC08-G2-CT4PJ	4052899464858	25x Jumper
 Extension wire 30 mm	FX-SC08-G1-FW4P-LIN-0030	4008321875587	100x Extension wire 30 mm
 Extension wire 150 mm	FX-SC08-G1-FW4P-LIN-0150	4008321875563	50x Extension wire 150 mm
 Extension wire 300 mm	FX-SC08-G1-FW4P-LIN-0300	4052899469259	50x Extension wire 300 mm

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

Profile System compatibility

The table reports the maximum recommended ambient temperature for each listed profile in combination with LF500, in case of surface or recessed mounting. In these conditions the expected Tc of LED strip is the maximum allowed.

Profile Type	Product description	Product code (EAN)	 SURFACE MOUNTING	 RECESSED MOUNTING
			Ambient Temperature °C	Ambient Temperature °C
 Slim Profile	LF-LTS-2100	4008321978981	50	50
 Slim Profile	FX-QMS-G1-TU15H6-300	4052899448865	50	50
 Slim Profile	FX-QMS-G1-TU15H6W3-300	4052899448889	50	50
 Slim Profile	FX-QMS-G1-TU16H12-300	4052899448964	50	50
 Slim Profile	FX-QMS-G1-TU16H12W3-300	4052899448988	50	50
 Slim Profile	FX-QMS-G1-TR19H16-300	4052899449008	50	50
 Slim Profile	FX-QMS-G1-TU16H12LS-300	4052899449046	50	50
 Slim Profile	FX-QMS-G1-T45D19H19-300	4052899448667	50	50
 Wide Profile	FX-QMW-G1-TK30D46H27-300	4052899448827	50	50
 Wide Profile	FX-QMW-G1-TU26H8-300	4052899448643	50	50
 Wide Profile	FX-QMW-G1-TU26H25W10-300	4052899448773	50	50
 Wide Profile	FX-QMW-G1-TU26H25W2-300	4052899448841	50	50
 Wide Profile	FX-QMW-G1-TU26H25-300	4052899448803	50	50

Note: the table is for application evaluation only; always ensure that Tc will not exceed the maximum allowed value.

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.

OSRAM GmbH

Head Office:

Marcel-Breuer-Strasse 6
 80807 Munich, Germany
 Phone +49 89 6213-0
 Fax +49 89 6213-2020
www.osram.com

