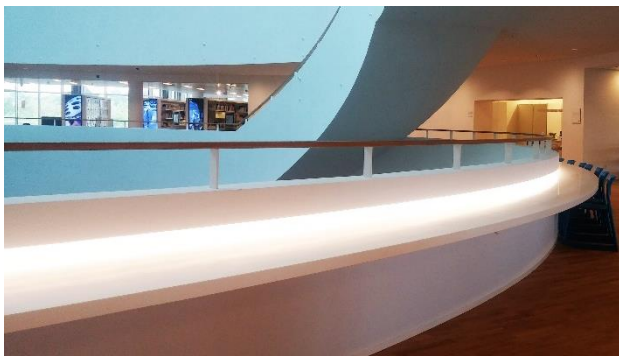


Light is OSRAM

# LINEARlight® FLEX ShortPitch

LED strip for extremely homogeneous light lines  
LF800S-G4



### Features & Benefits

- Small LED spacing
- Luminous flux up to 800 lm/m
- Color uniformity  $\leq 2$  SDCM\*
- CRI 90 and 80 options
- Lifetime up to 60.000 h L80B10 at T<sub>p</sub>
- Internal constant current regulator
- LM80 & LM79 compliant
- Dimmable by OPTOTRONIC® LED drivers
- Great design freedom thanks to flexibility and cuttability of the LED strip
- High light quality and large selection of light color temperatures
- 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

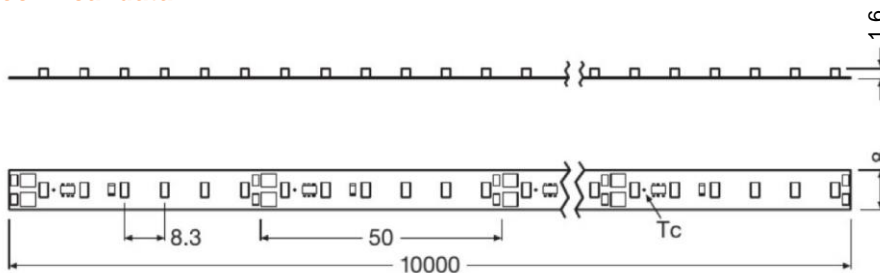
### Application areas

Cove Lighting, Path lighting, Accent lighting, Shelf lighting

### Standards

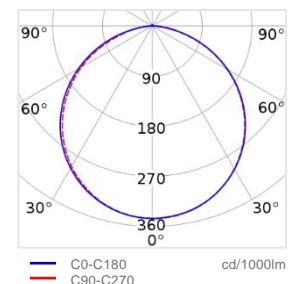
CE, ENEC 10, EAC, VDE, CSA and UL recognized

### Technical data

















Lowest Bending Radius = 20 mm  
Number LED/m = 120

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



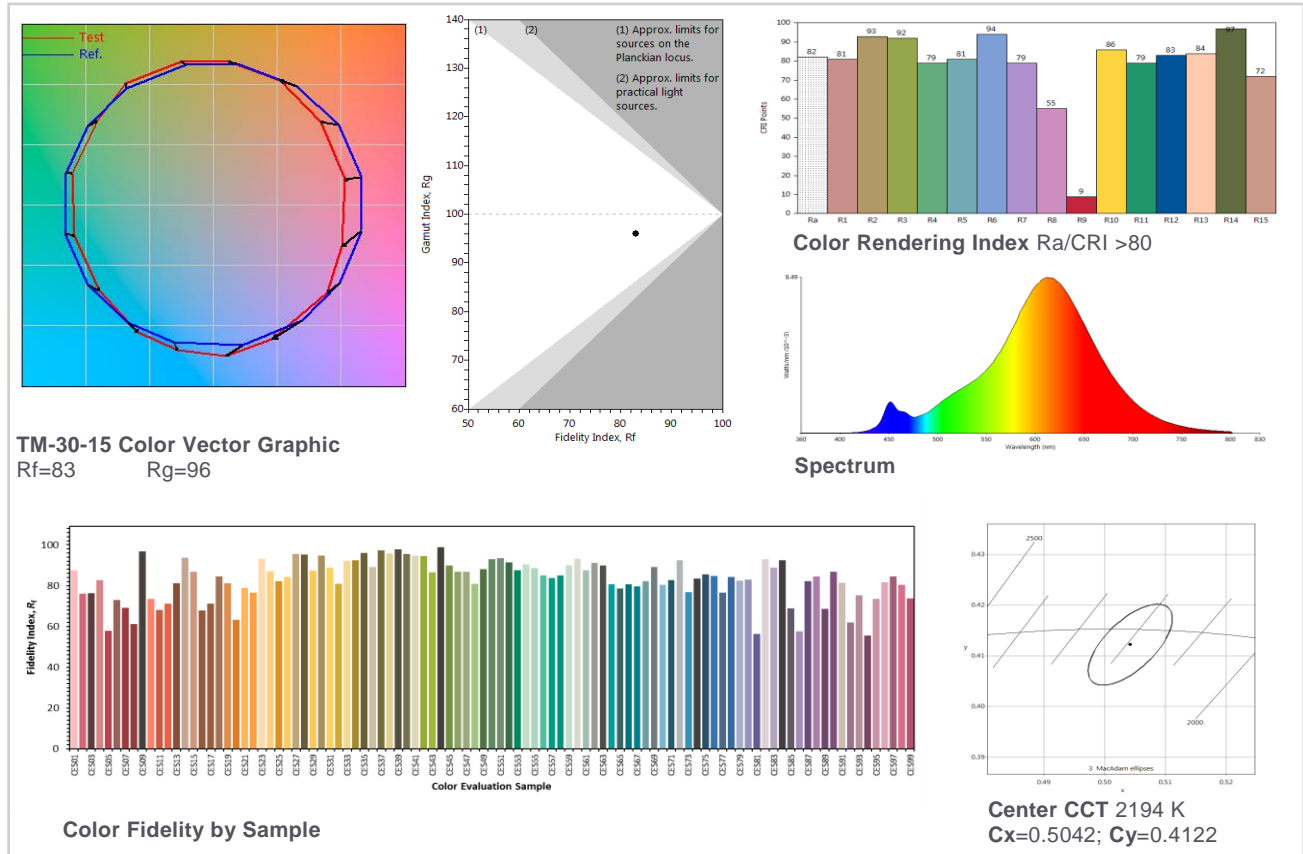
Beam Angle 120°

**Technical data**

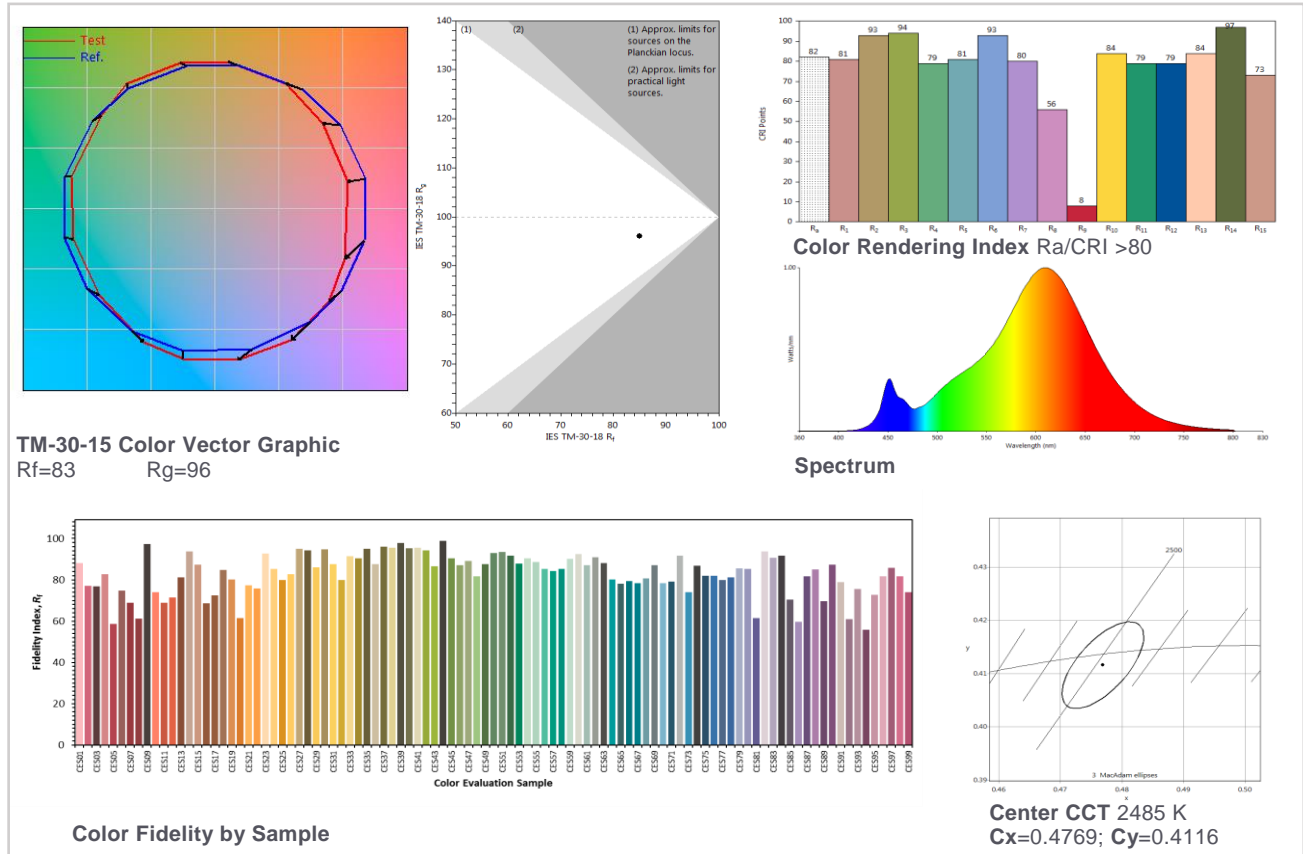
Shortpitch LF800S	Nominal CCT <small>See color output data</small>	CRI	Luminous Flux per meter lm/m	Power W/m	Luminous Efficacy lm/W	Performance Temp. Tp °C	Length m
LF800S-G4-822-10	 2200 K	>80	740	7.7	96	45	10
LF800S-G4-825-10	 2500 K	>80	800	7.7	104	45	10
LF800S-G4-827-10	 2700 K	>80	800	7.7	104	45	10
LF800S-G4-830-10	 3000 K	>80	800	7	114	45	10
LF800S-G4-835-10	 3500 K	>80	800	7	114	45	10
LF800S-G4-840-10	 4000 K	>80	800	7	114	45	10
LF800S-G4-865-10	 5000 K	>80	800	7	114	45	10
LF800S-G4-865-10	 6500 K	>80	800	7	114	45	10
LF800S-G4-922-10	 2200 K	>90	550	7	79	45	10
LF800S-G4-927-10	 2700 K	>90	620	7	89	45	10
LF800S-G4-930-10	 3000 K	>90	620	7	89	45	10
LF800S-G4-935-10	 3500 K	>90	680	7	97	45	10
LF800S-G4-940-10	 4000 K	>90	680	7	97	45	10
LF800S-G4-965-10	 6500 K	>90	680	7	97	45	10

Color output data

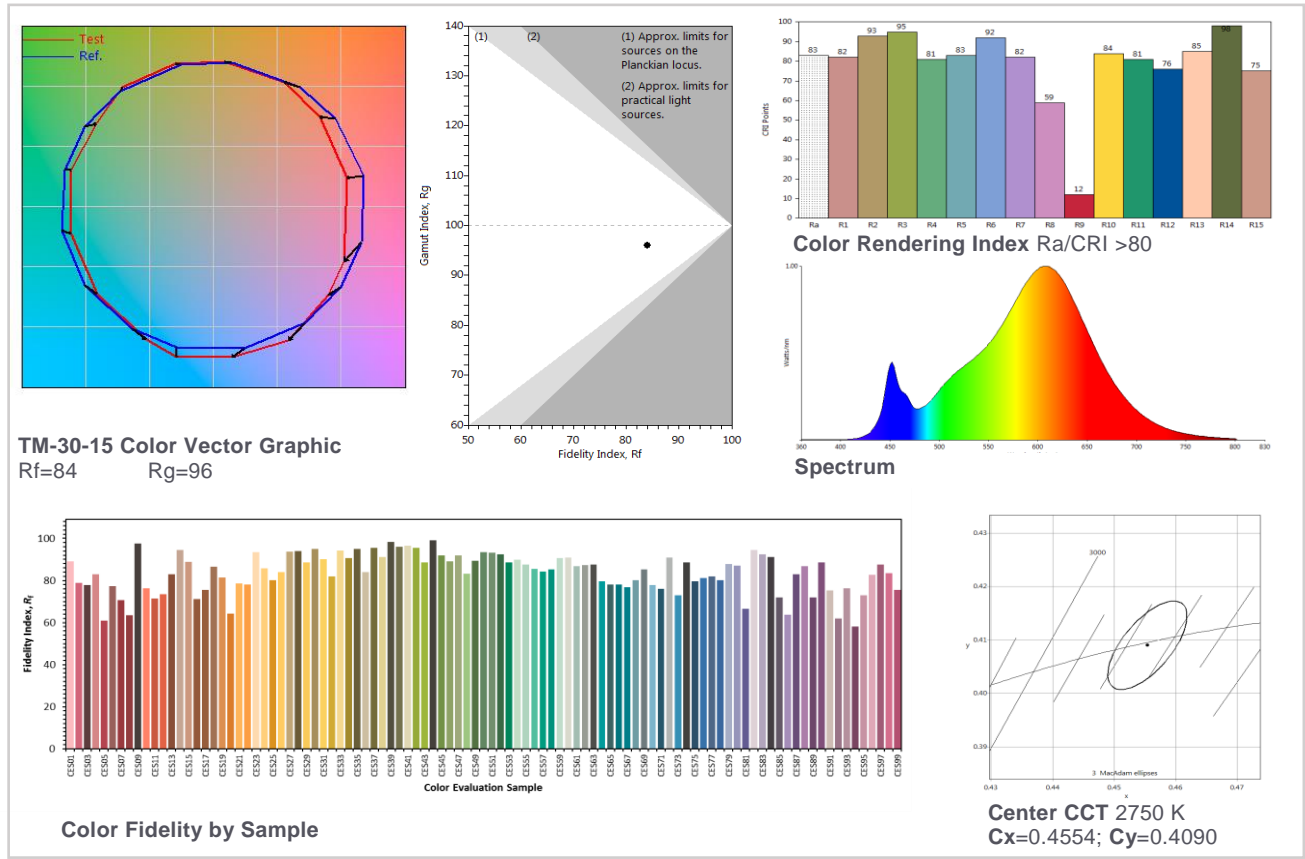
LF800S-G4-822



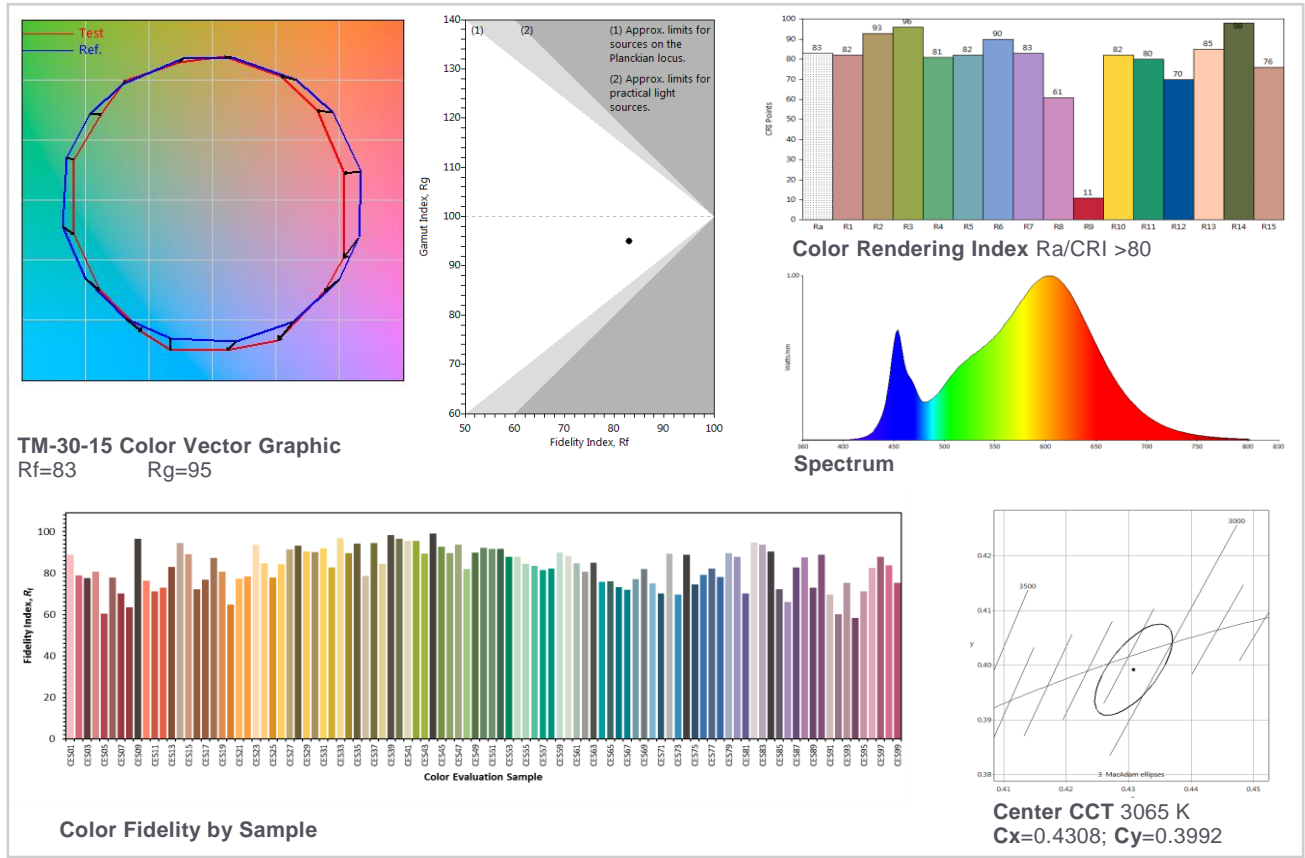
LF800S-G4-825



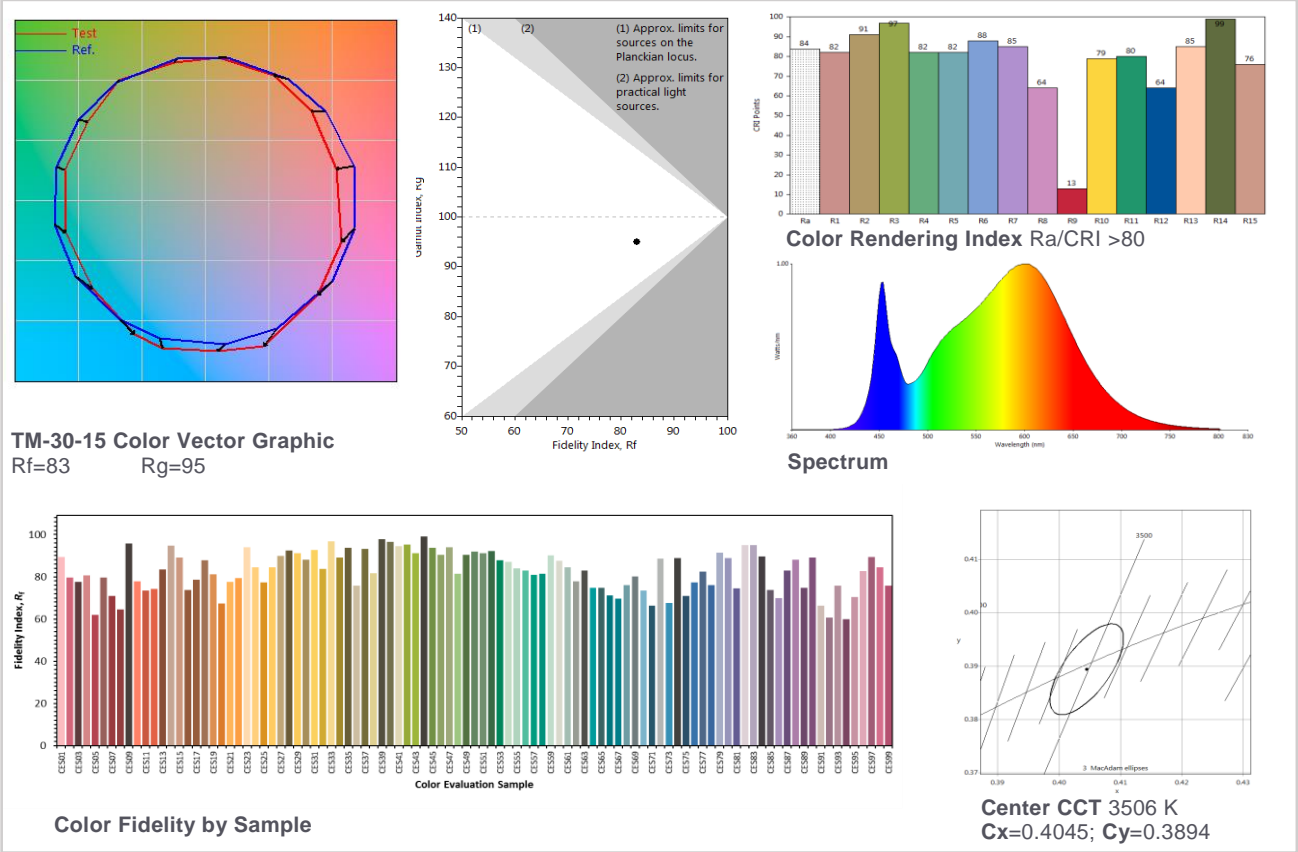
LF800S-G4-827



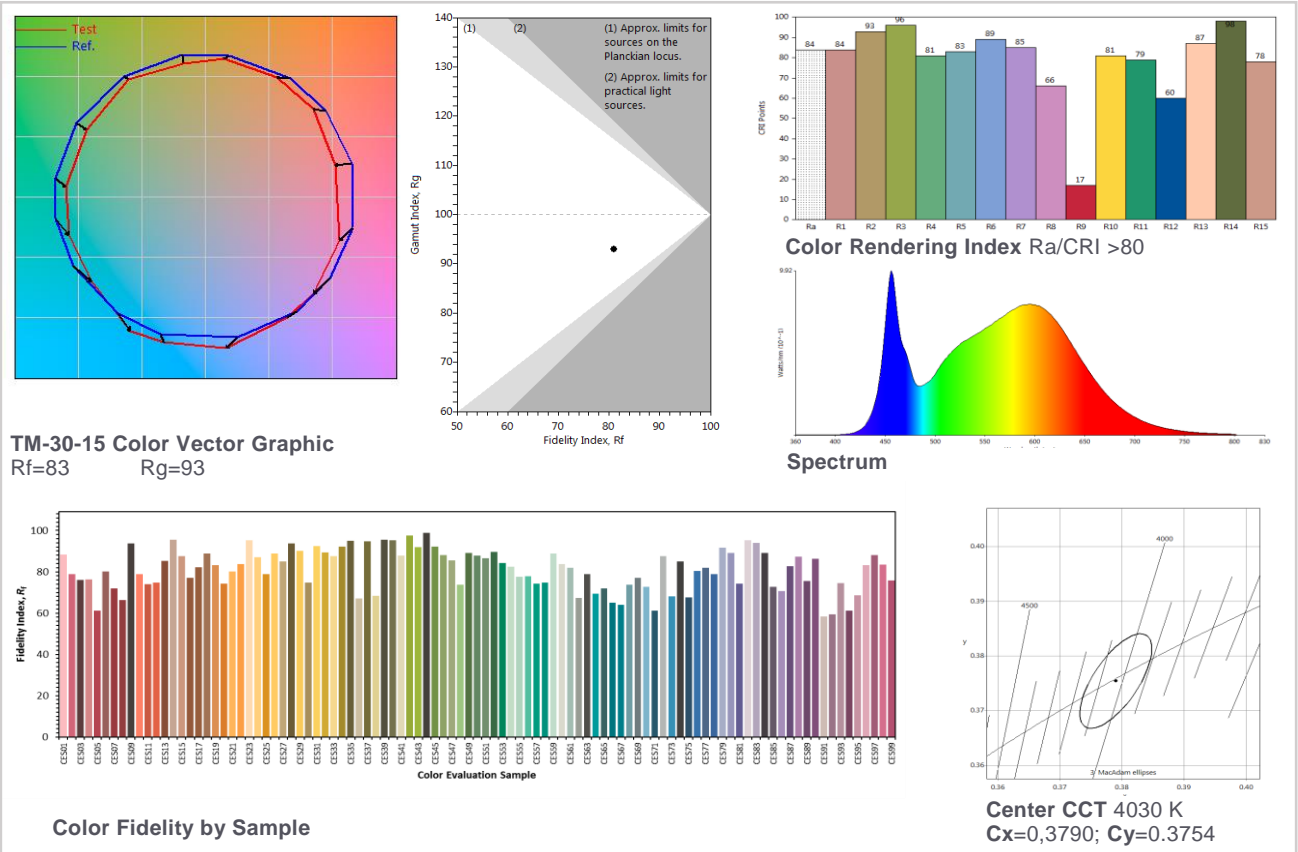
LF800S-G4-830



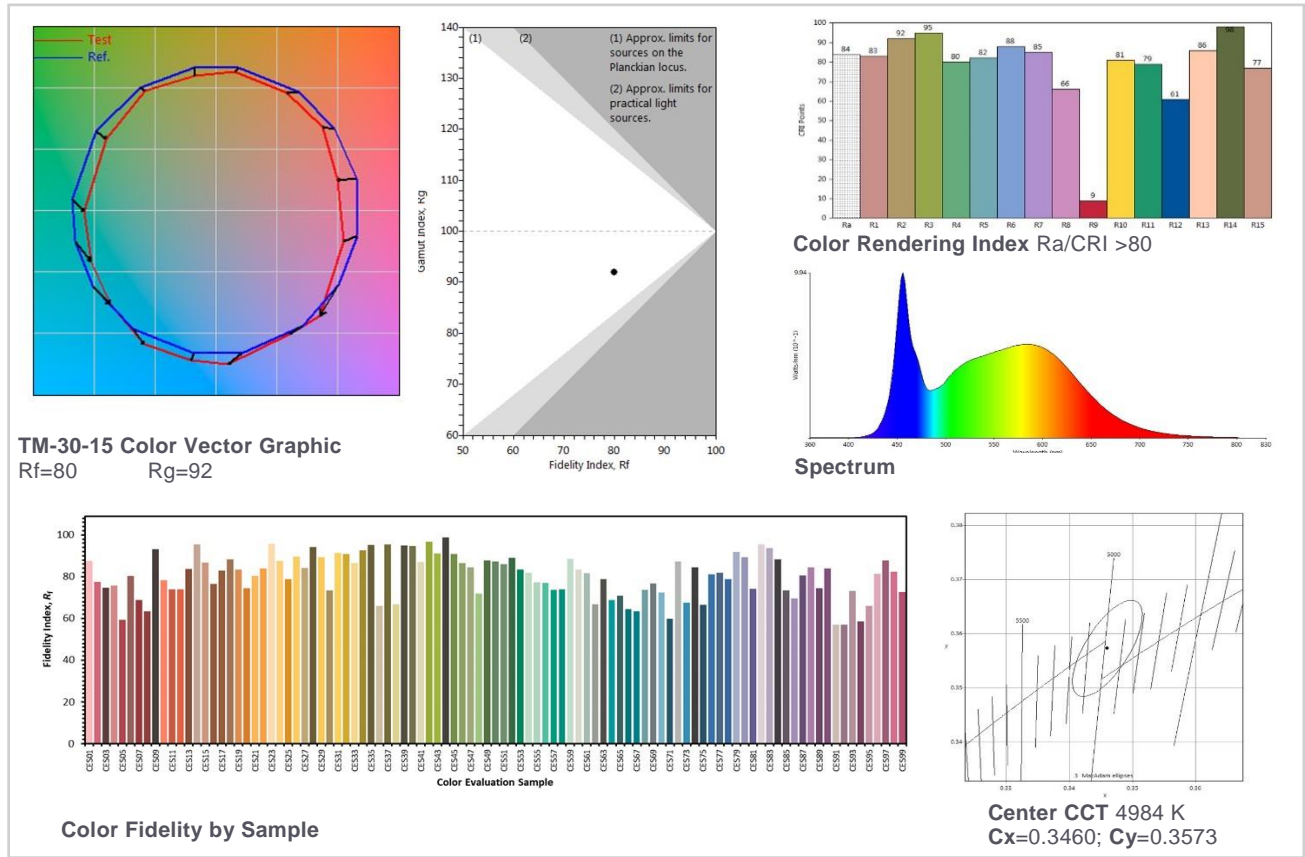
LF800S-G4-835



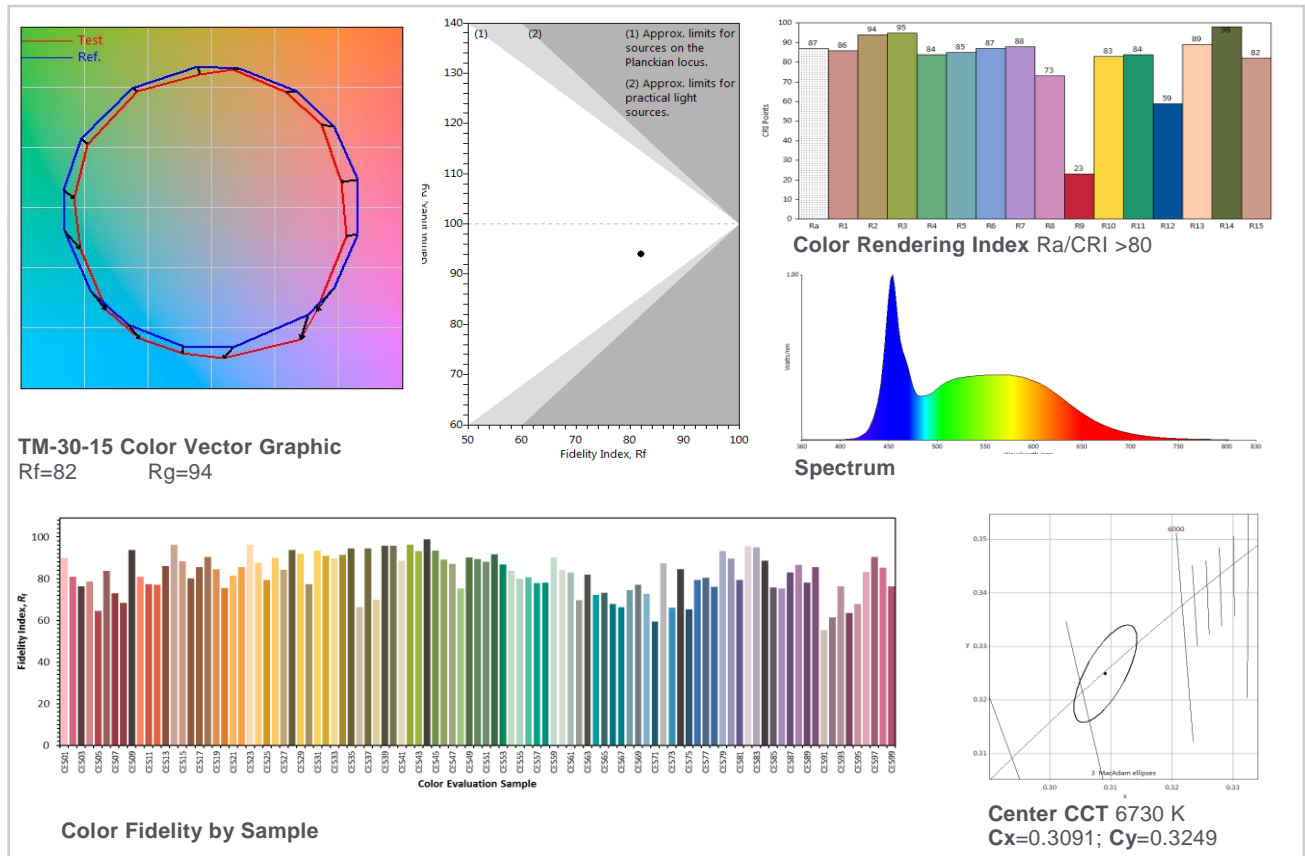
LF800S-G4-840



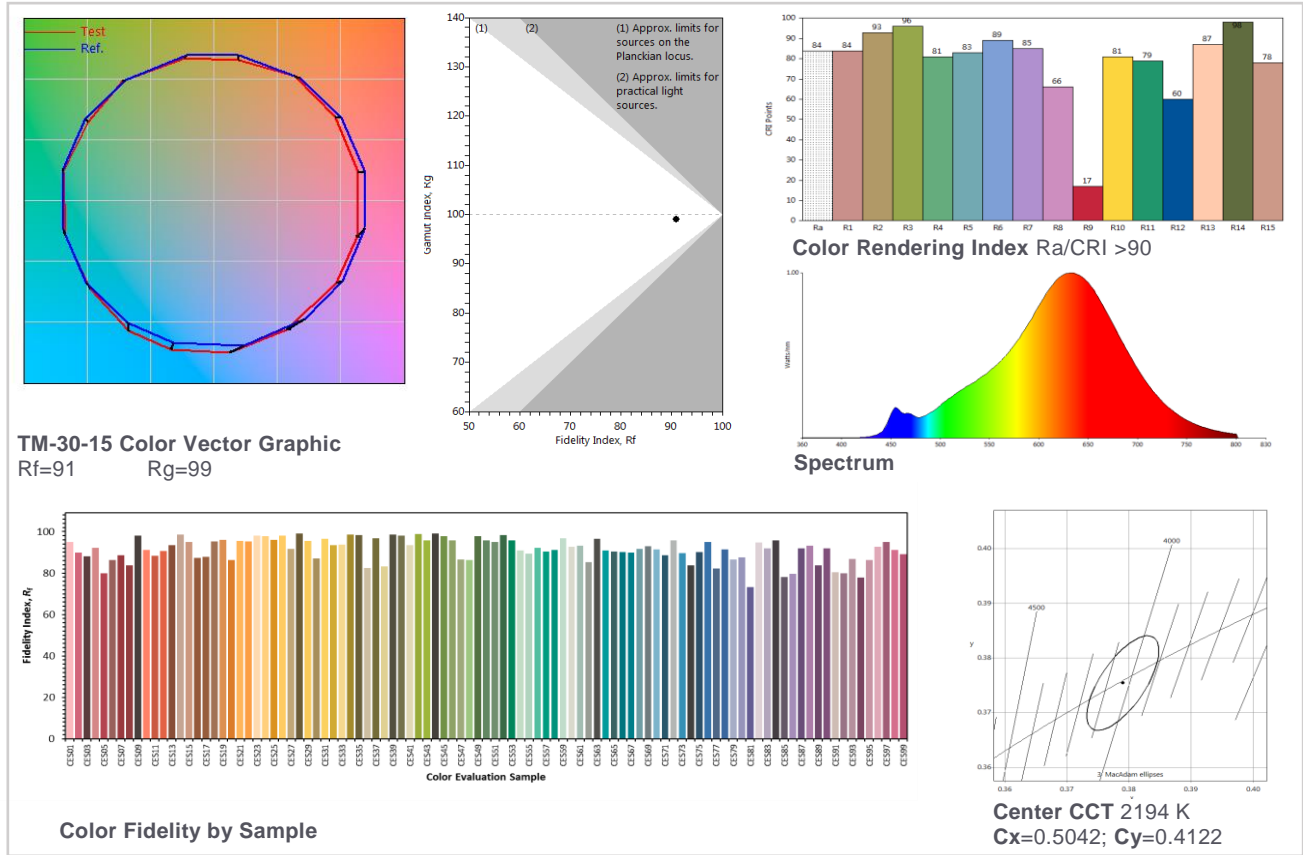
LF800S-G4-850



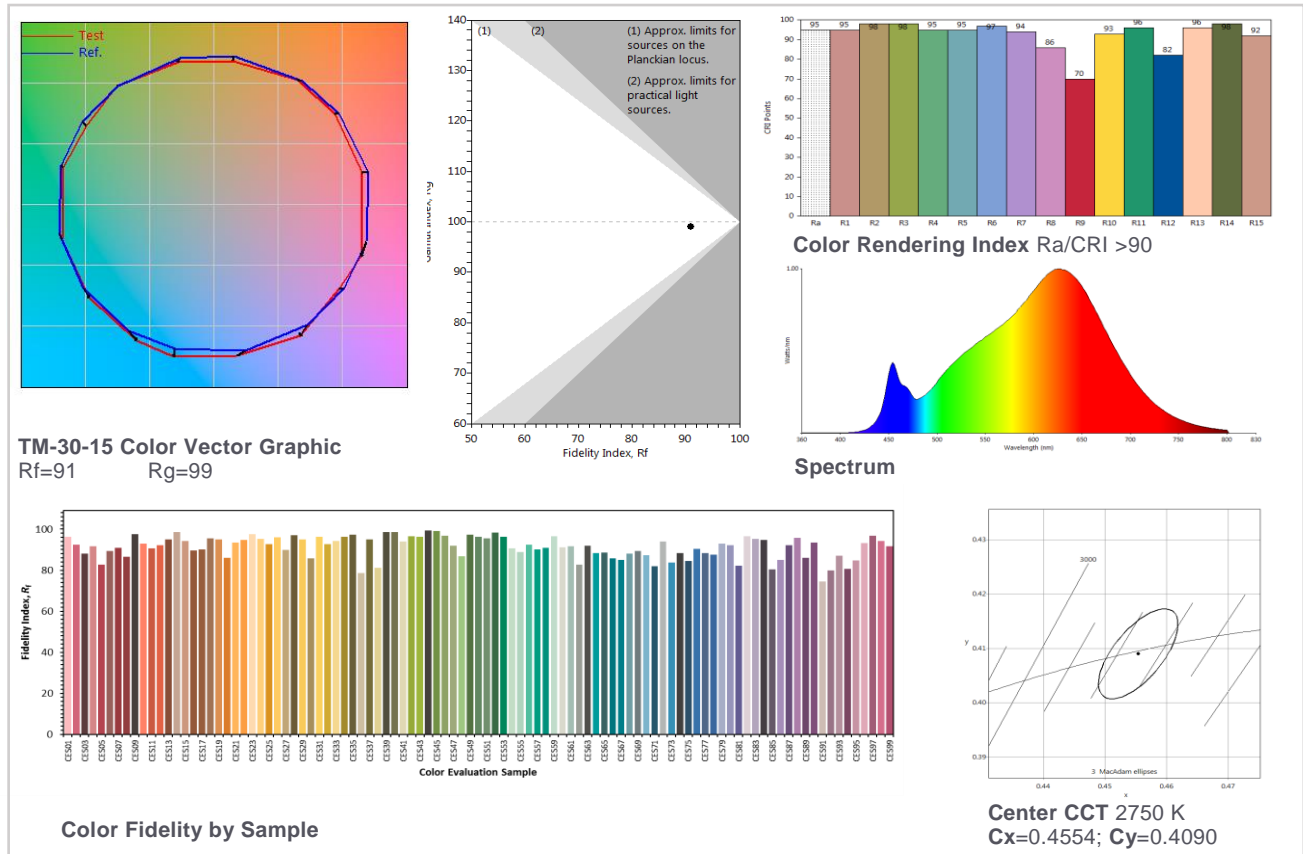
LF800S-G4-865



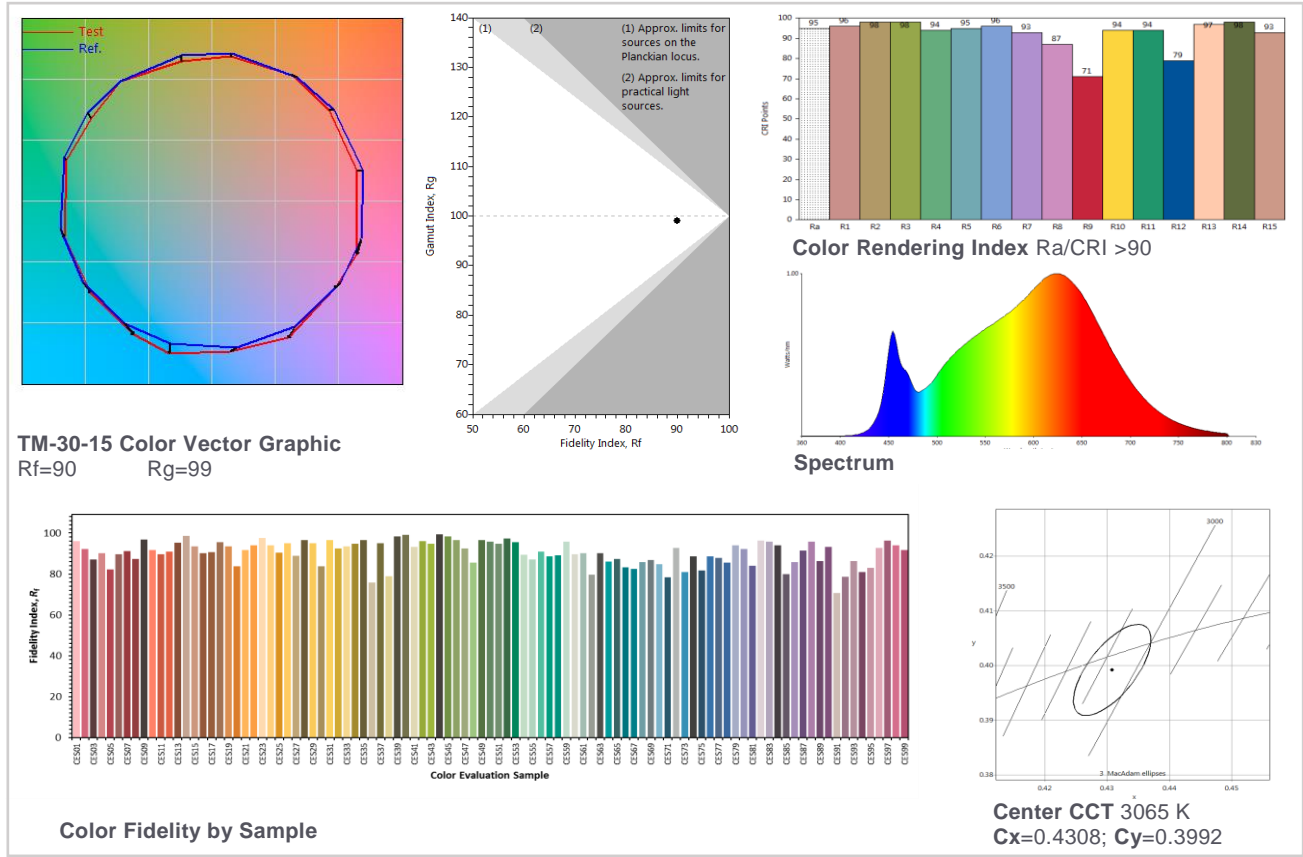
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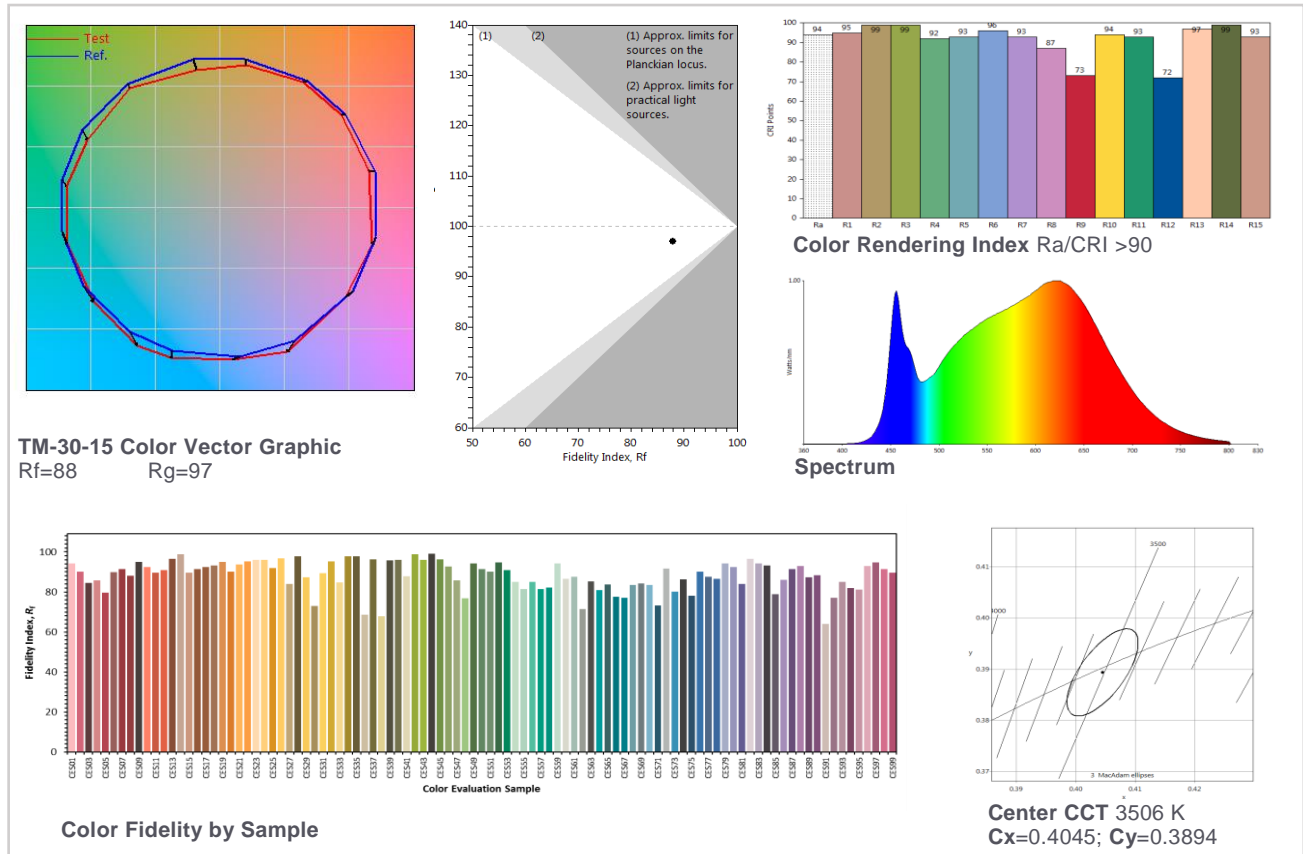
LF800S-G4-927



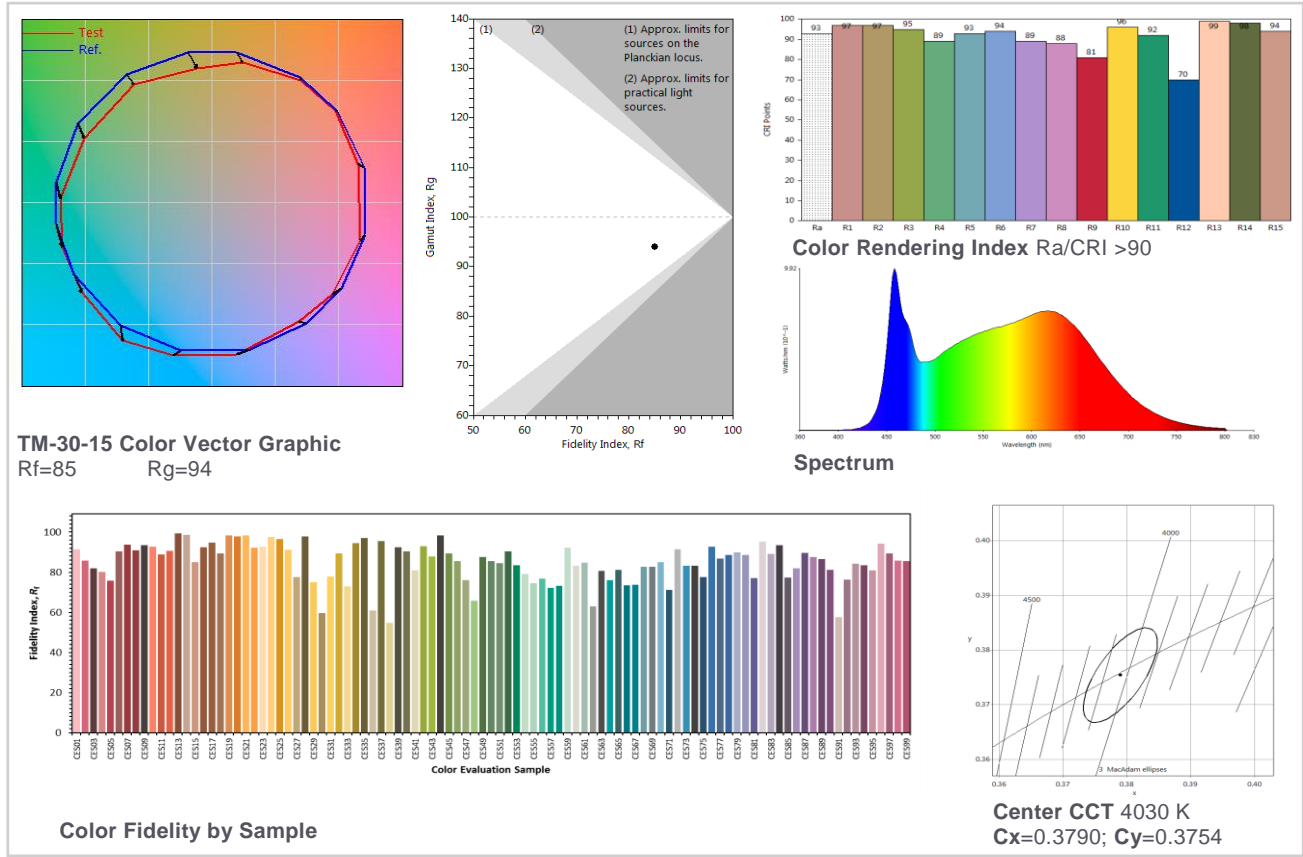
LF800S-G4-930



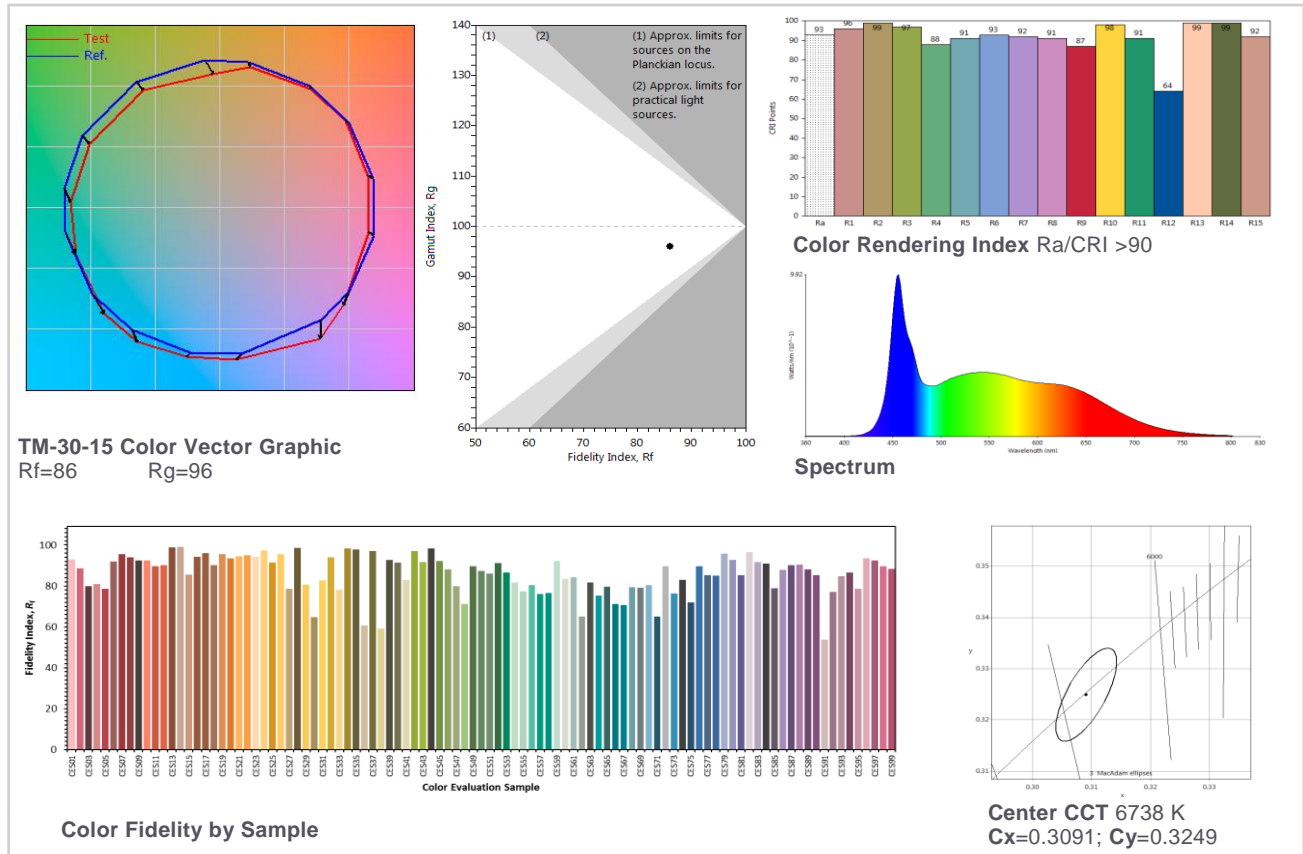
LF800S-G4-935



LF800S-G4-940

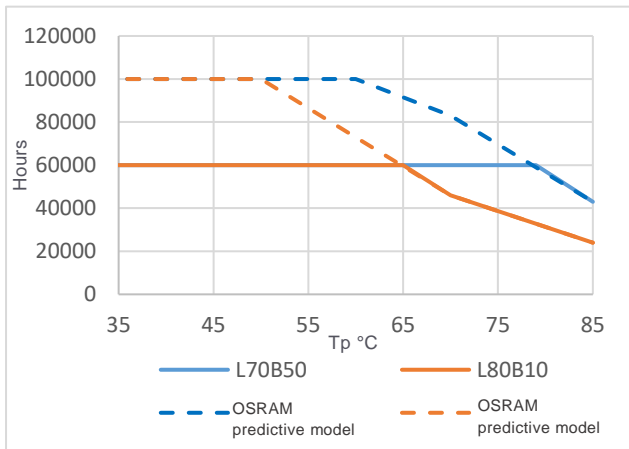


LF800S-G4-965

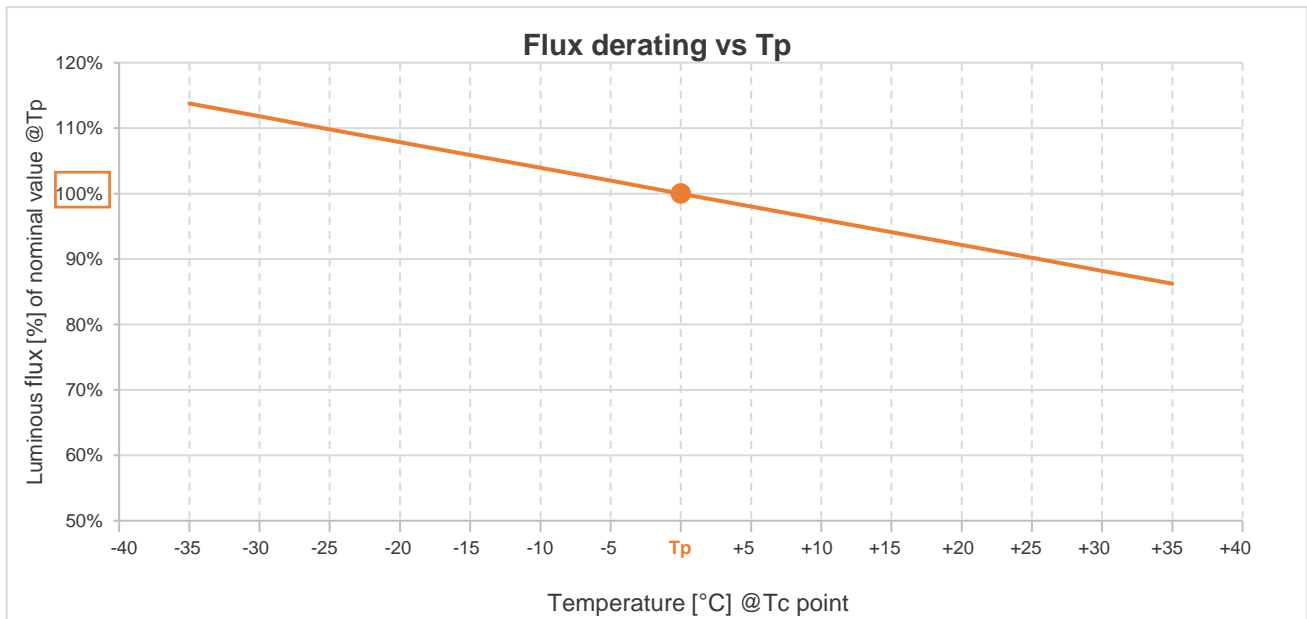


## Lifetime

### LF800S



## 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
LF800S-G4-822-10	4052899575691	10000 x 8 x 1.6 mm	1x Led strip; 1x connector
LF800S-G4-825-10	4052899575738	10000 x 8 x 1.6 mm	1x Led strip; 1x connector
LF800S-G4-827-10	4052899575752	10000 x 8 x 1.6 mm	1x Led strip; 1x connector
LF800S-G4-830-10	4052899575790	10000 x 8 x 1.6 mm	1x Led strip; 1x connector
LF800S-G4-835-10	4052899575813	10000 x 8 x 1.6 mm	1x Led strip; 1x connector
LF800S-G4-840-10	4052899575851	10000 x 8 x 1.6 mm	1x Led strip; 1x connector
LF800S-G4-850-10	4062172061940	10000 x 8 x 1.6 mm	1x Led strip; 1x connector
LF800S-G4-865-10	4052899575875	10000 x 8 x 1.6 mm	1x Led strip; 1x connector
LF800S-G4-922-10	4062172002417	10000 x 8 x 1.6 mm	1x Led strip; 1x connector
LF800S-G4-927-10	4052899575912	10000 x 8 x 1.6 mm	1x Led strip; 1x connector
LF800S-G4-930-10	4052899575936	10000 x 8 x 1.6 mm	1x Led strip; 1x connector
LF800S-G4-935-10	4052899575950	10000 x 8 x 1.6 mm	1x Led strip; 1x connector
LF800S-G4-940-10	4052899575998	10000 x 8 x 1.6 mm	1x Led strip; 1x connector
LF800S-G4-965-10	4052899576018	10000 x 8 x 1.6 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 LF800S, in case of surface or recessed mounting. In these conditions the expected Tc of LED strip is the maximum allowed.

Track Type		Product description	Product code (EAN)	 SURFACE MOUNTING Ambient Temperature °C	 RECESSED MOUNTING Ambient Temperature °C
	Slim Profile	<b>LF-LTS-2100</b>	4008321978981	50	50
	Slim Profile	<b>FX-QMS-G1-TU15H6-300</b>	4052899448865	50	50
	Slim Profile	<b>FX-QMS-G1-TU15H6W3-300</b>	4052899448889	50	50
	Slim Profile	<b>FX-QMS-G1-TU16H12-300</b>	4052899448964	50	50
	Slim Profile	<b>FX-QMS-G1-TU16H12W3-300</b>	4052899448988	50	50
	Slim Profile	<b>FX-QMS-G1-TR19H16-300</b>	4052899449008	50	50
	Slim Profile	<b>FX-QMS-G1-TU16H12LS-300</b>	4052899449046	50	50
	Slim Profile	<b>FX-QMS-G1-T45D19H19-300</b>	4052899448667	50	50
	Wide Profile	<b>FX-QMW-G1-TK30D46H27-300</b>	4052899448827	50	50
	Wide Profile	<b>FX-QMW-G1-TU26H8-300</b>	4052899448643	50	50
	Wide Profile	<b>FX-QMW-G1-TU26H25W10-300</b>	4052899448773	50	50
	Wide Profile	<b>FX-QMW-G1-TU26H25W2-300</b>	4052899448841	50	50
	Wide Profile	<b>FX-QMW-G1-TU26H25-300</b>	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](mailto:flex-support@osram.com) or consult our Flex Configurator at [www.osram.com/flex-configurator](http://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](http://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 2SD CM 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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