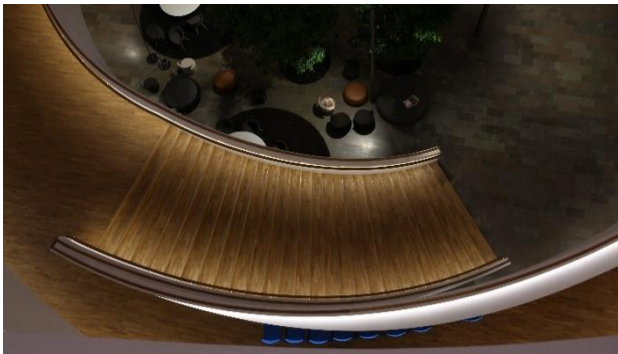


LINEARlight FLEX Protect ShortPitch

IP67 LED strip for extremely homogeneous light lines
LFP800S-G4



Features & Benefits

- Very small LED spacing
- Luminous flux up to 800 lm/m
- IP67 protection
- Color uniformity ≤ 2 SDCM*
- CRI 90 and 80 options
- Lifetime up to 60.000 h L80B10 at Tp
- Internal constant current regulator
- LM80 & LM79 compliant
- Great design freedom thanks to flexibility and cuttability of the LED strip
- High light quality and large selection of light color temperatures
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- Dimmable by OPTOTRONIC® LED drivers
- Outdoor use possible: UV and salt mist resistant
- Reel-to-Reel technology
- Made in Italy

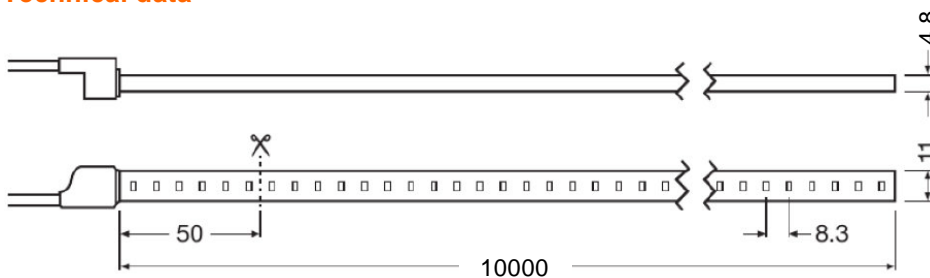
Application areas

Small coving, Path lighting, Contour accent lighting

Standards

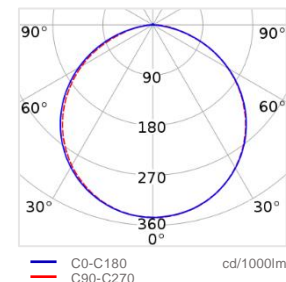
CE, UL recognized component according to UL 8750; ENEC, EAC, VDE according to ENEC 10

Technical data














Lowest Bending Radius = 50 mm
Number LED/m = 120

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



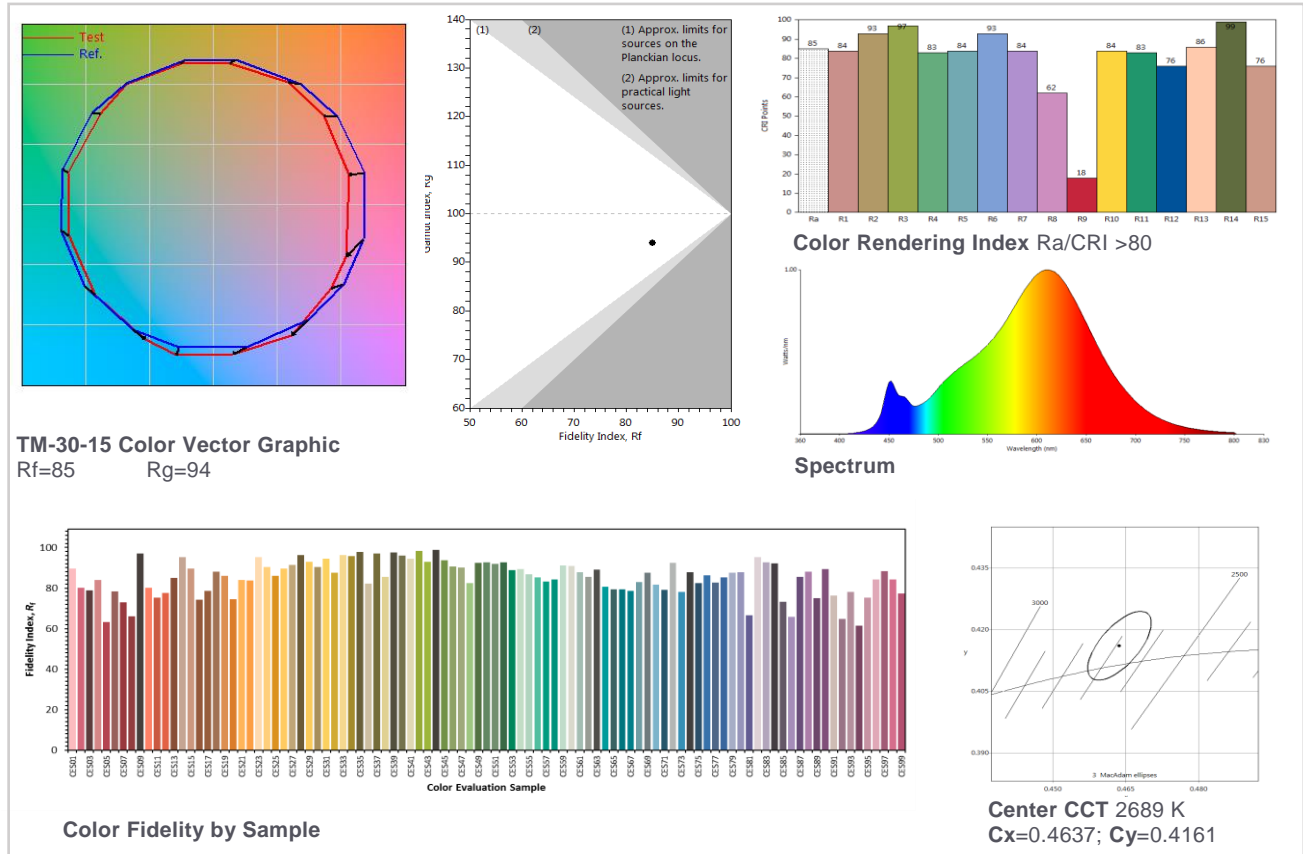
Beam Angle 120°

Technical data

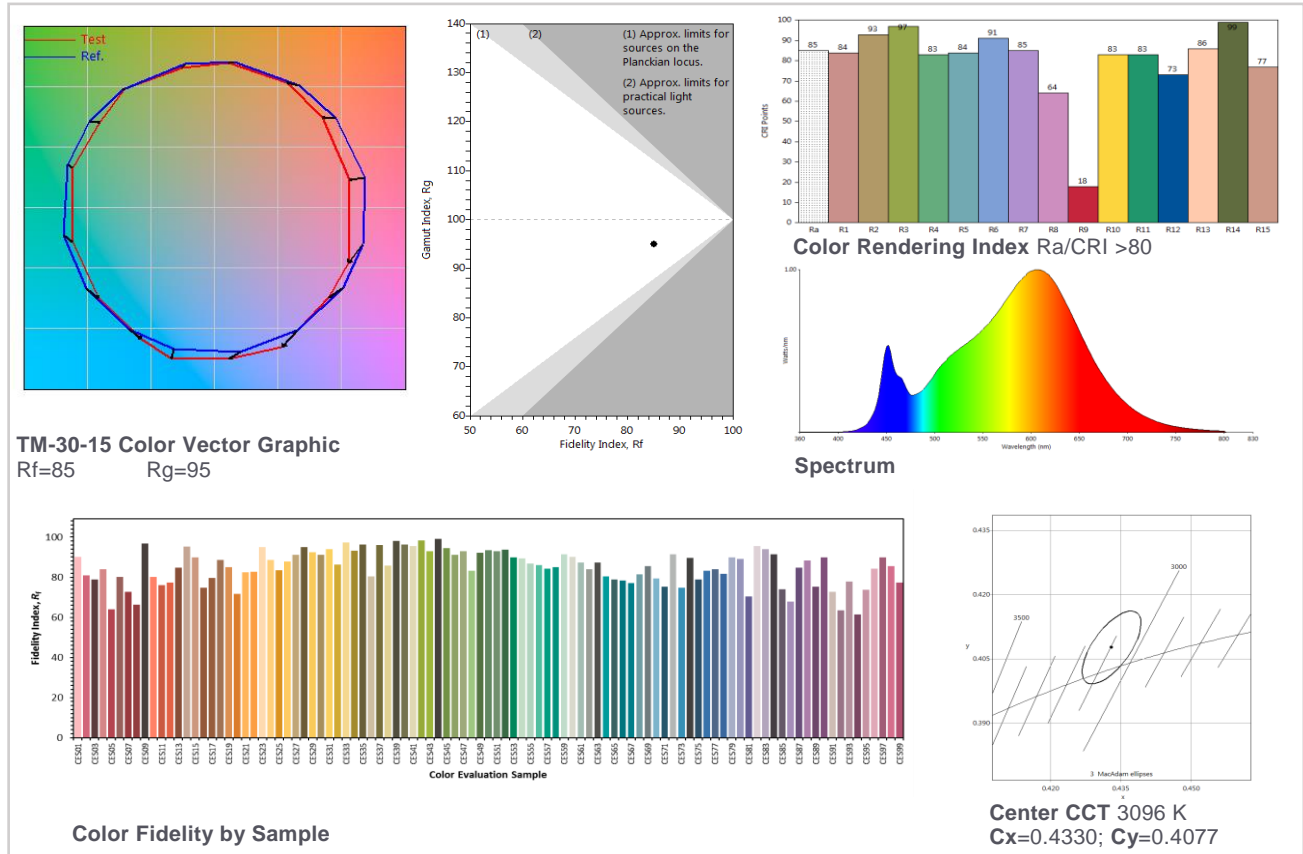
Type	 Nominal CCT <small>See color output data</small>	CRI min	Luminous Flux per meter lm/m	Power W/m	Luminous Efficacy lm/W	Tp °C	Length m
LFP800S-G4-827-10	 2700 K	>80	740	7.7	96	40	10
LFP800S-G4-830-10	 3000 K	>80	800	7.7	104	40	10
LFP800S-G4-835-10	 3500 K	>80	800	7.7	104	40	10
LFP800S-G4-840-10	 4000 K	>80	800	7.0	114	40	10
LFP800S-G4-850-10	 5000 K	>80	800	7.0	114	40	10
LFP800S-G4-865-10	 6500 K	>80	800	7.0	114	40	10
LFP800S-G4-927-10	 2700 K	>90	550	7.0	79	40	10
LFP800S-G4-935-10	 3500 K	>90	620	7.0	89	40	10
LFP800S-G4-940-10	 4000 K	>90	620	7.0	89	40	10
LFP800S-G4-965-10	 6500 K	>90	680	7.0	97	40	10

Color output data

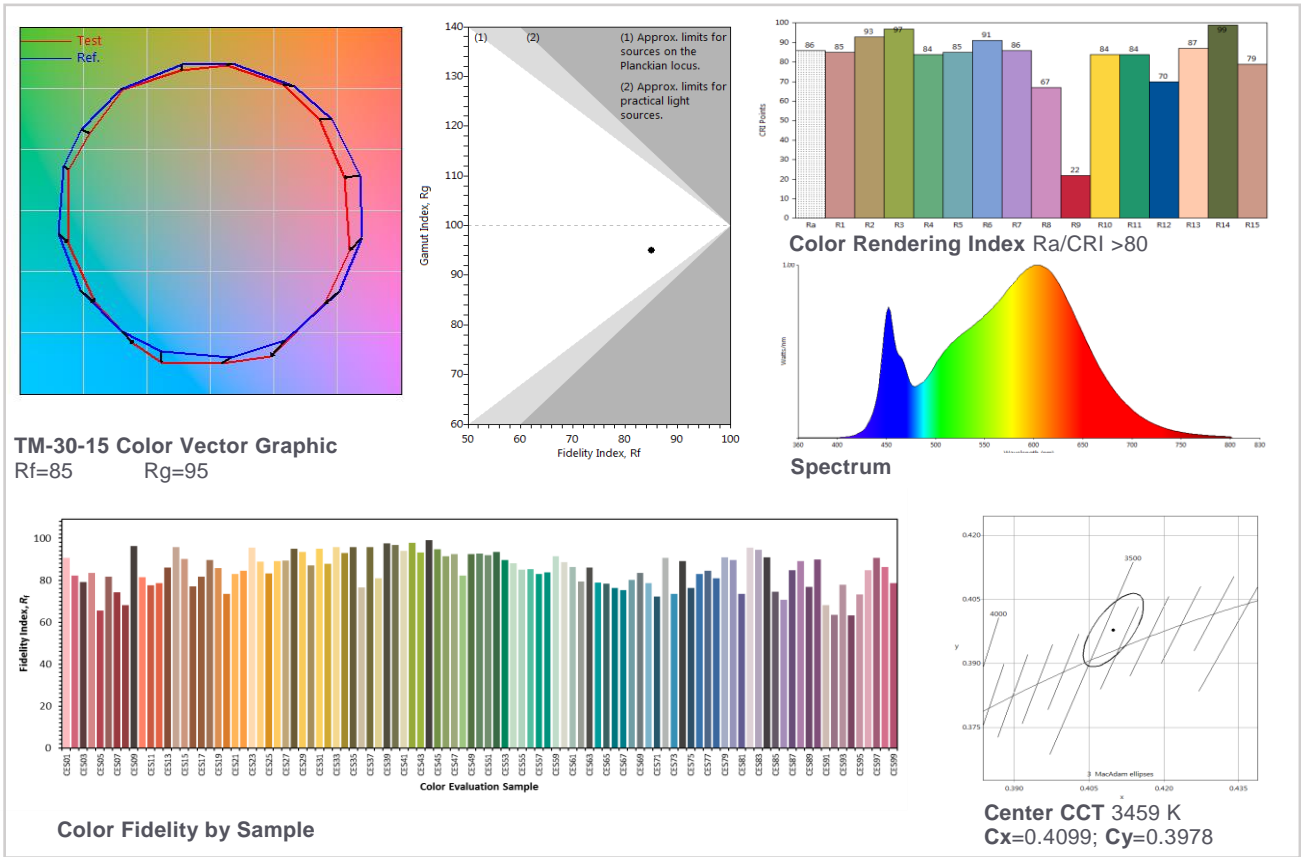
LFP800S-G4-827



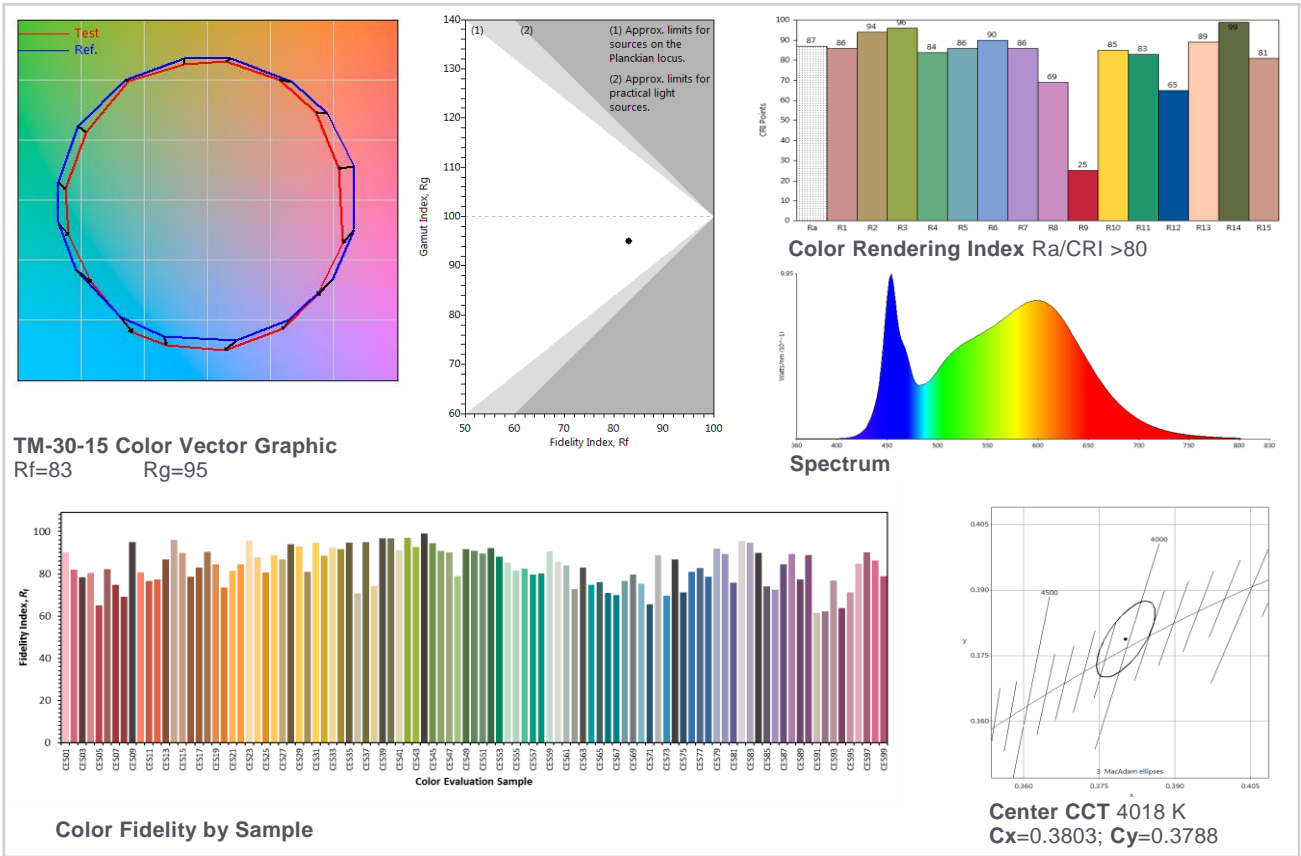
LFP800S-G4-830



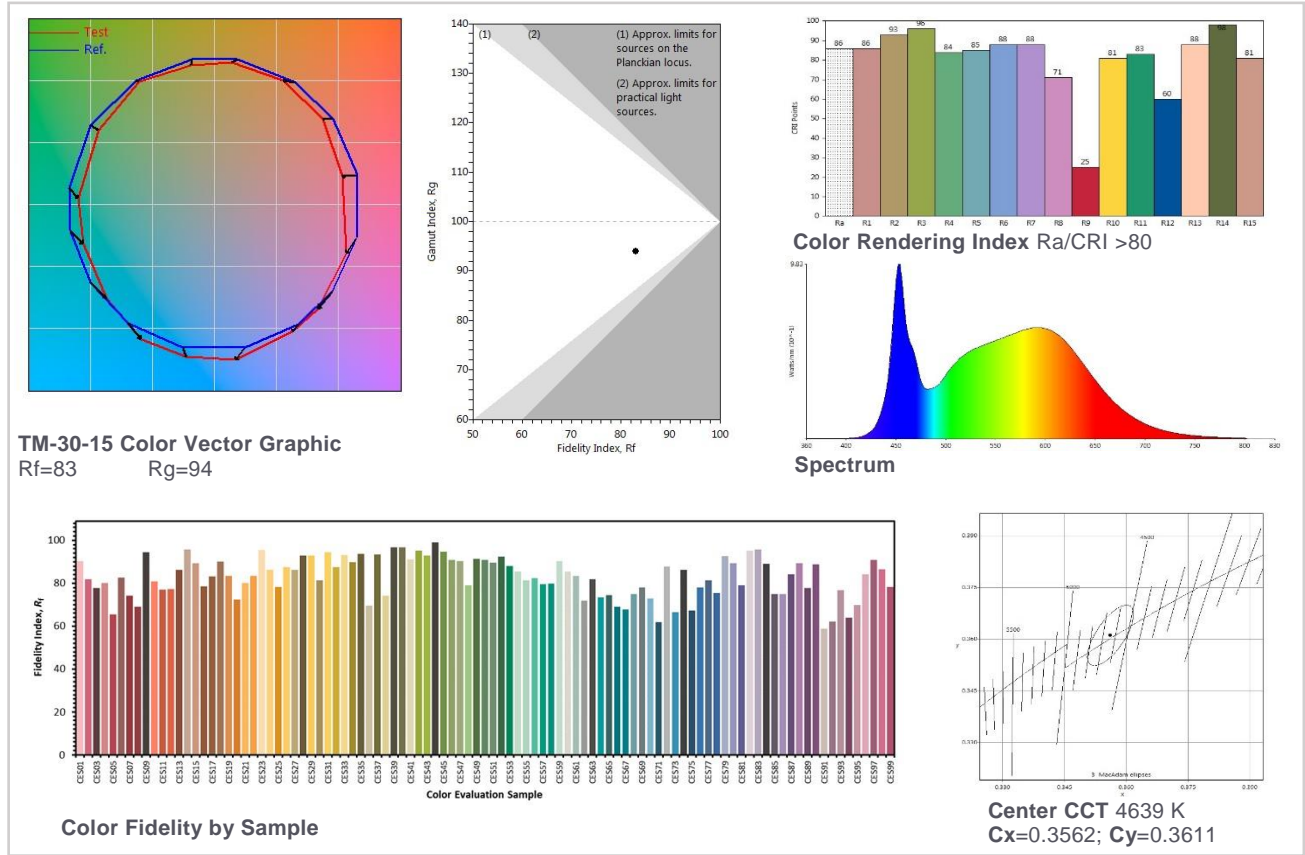
LFP800S-G4-835



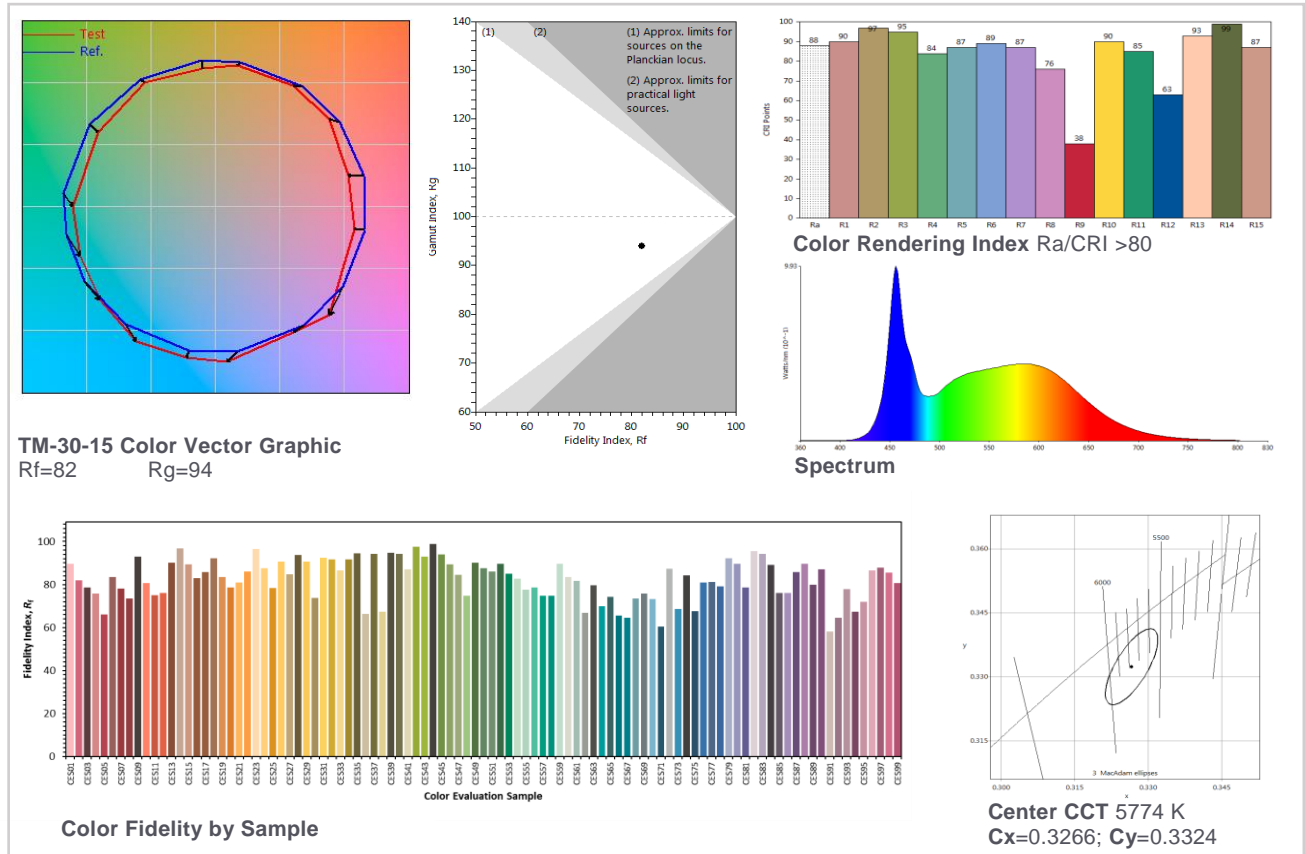
LFP800S-G4-840



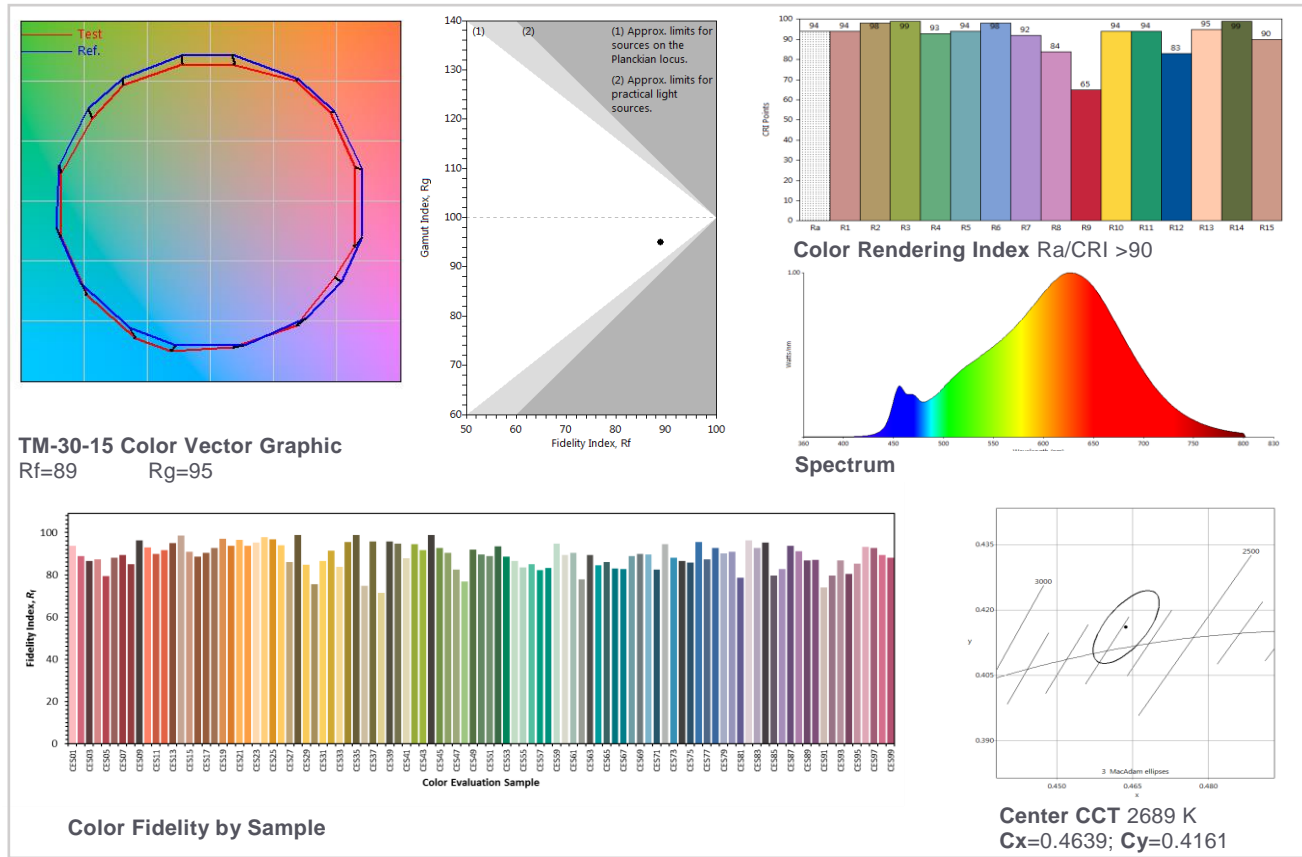
LFP800S-G4-850



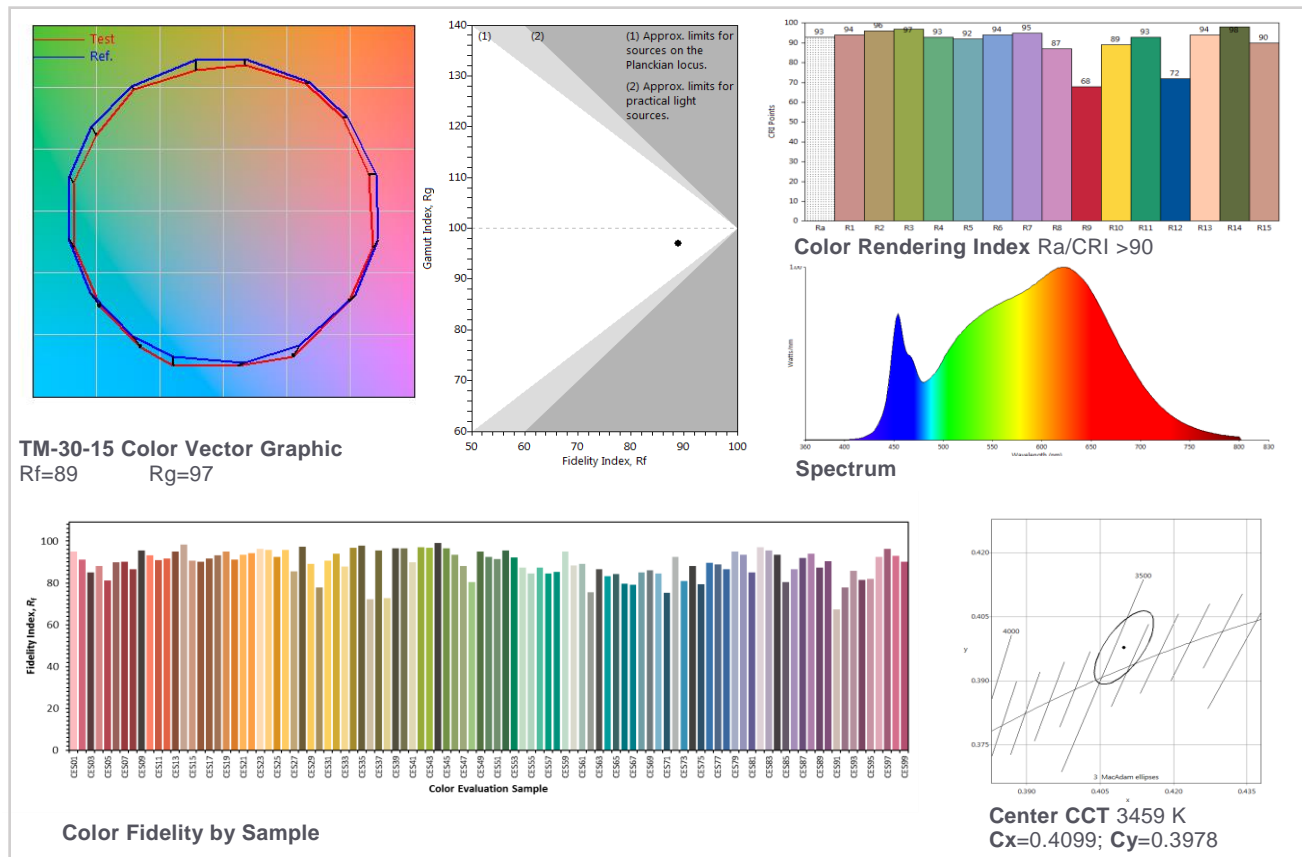
LFP800S-G4-865



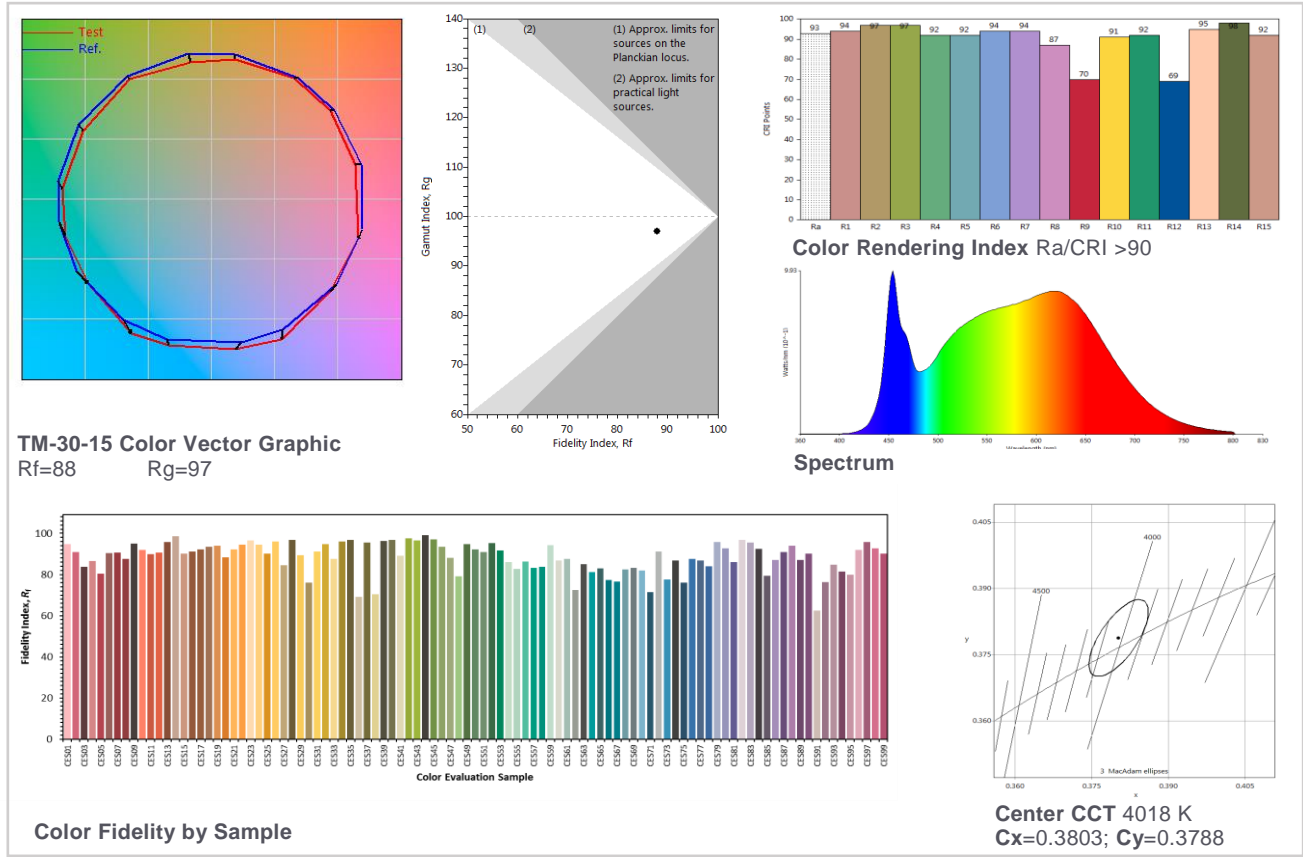
LFP800S-G4-927



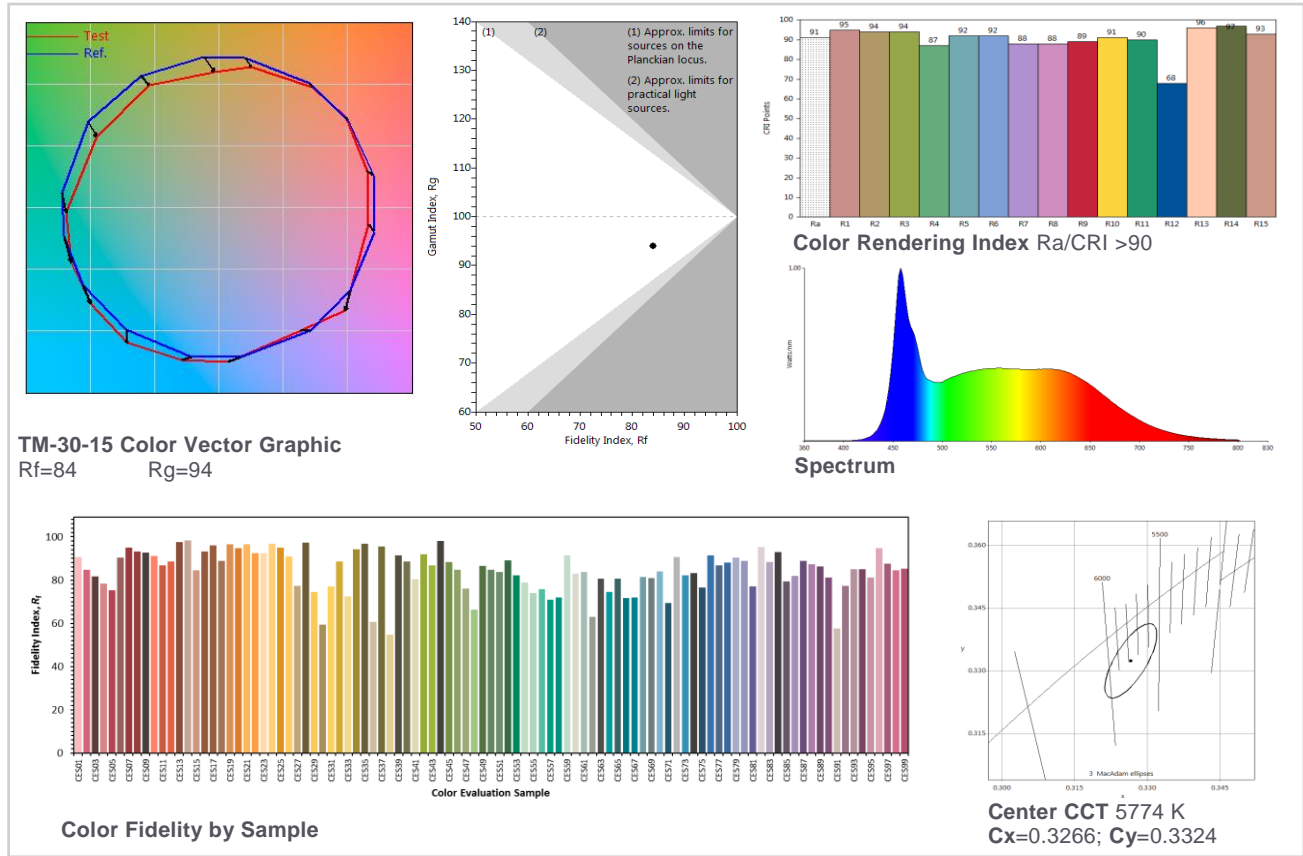
LFP800S-G4-935



LFP800S-G4-940

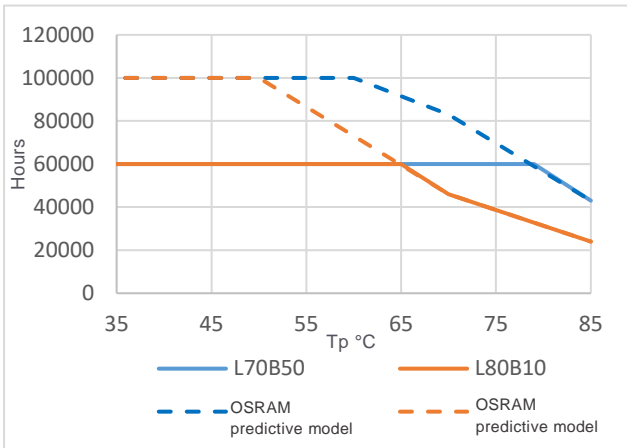


LFP800S-G4-965

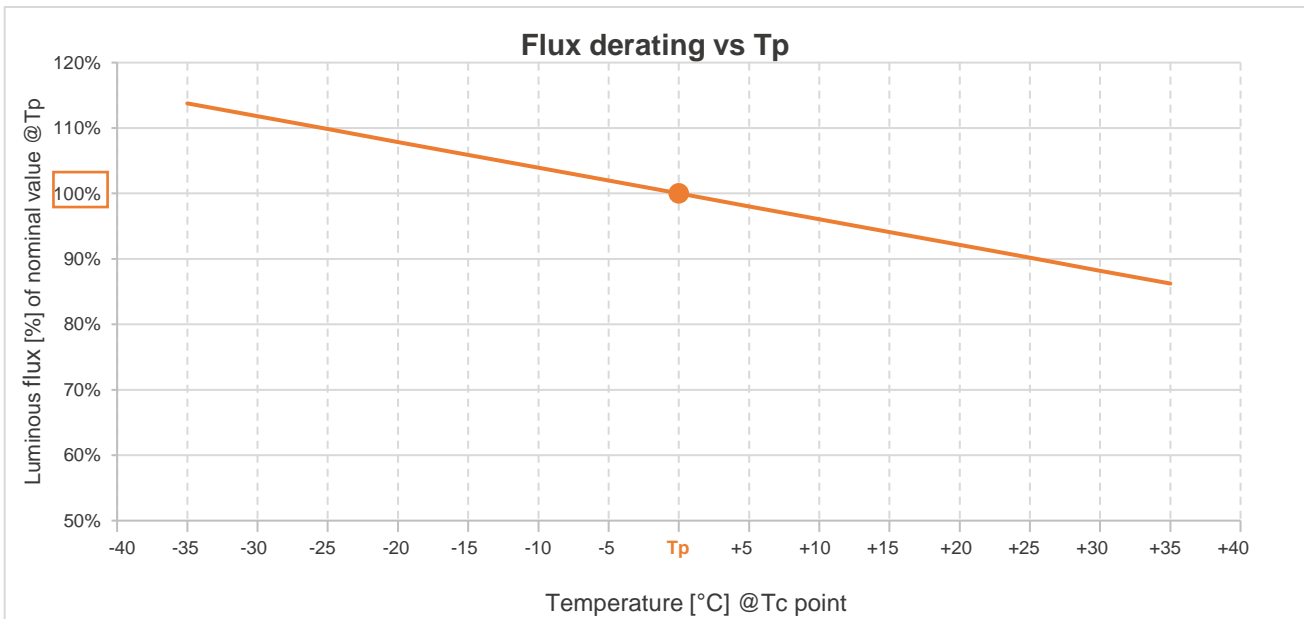


Lifetime

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
















Type	Product code	Dimensions (length x width x height)	EAN10 Package content
LFP800S-G4-827-10	4052899575677	10000 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP800S-G4-830-10	4052899575714	10000 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP800S-G4-835-10	4052899575776	10000 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP800S-G4-840-10	4052899575837	10000 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP800S-G4-850-10	4062172061926	10000 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP800S-G4-865-10	4052899575899	10000 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP800S-G4-927-10	4052899595231	10000 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP800S-G4-935-10	4052899576032	10000 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP800S-G4-940-10	4052899576056	10000 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP800S-G4-965-10	4052899576070	10000 x 11 x 3.7 mm	1x Led strip 1x connector already installed

Choose your accessories

Product Type	Product description	Product code (EAN10)	EAN10 Package content
 End cap IP67	LF-ENDCAP 1P67 LP	4052899902565	10x endcap, 1x glue
 Connector IP67	LF-2PIN IP67 LP	4052899125711	5x connector, 5x endcap, 1x glue
 Jumper IP67	LF-2CONN IP67 LP	4052899125735	5x jumper

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

The table reports the maximum recommended ambient temperature for each listed profile in combination with LFP800S, in case of surface or recessed mounting. In these conditions the expected Tc of LED strip is the maximum allowed.

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	37
 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

Profile System thermal compatibility

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.

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