

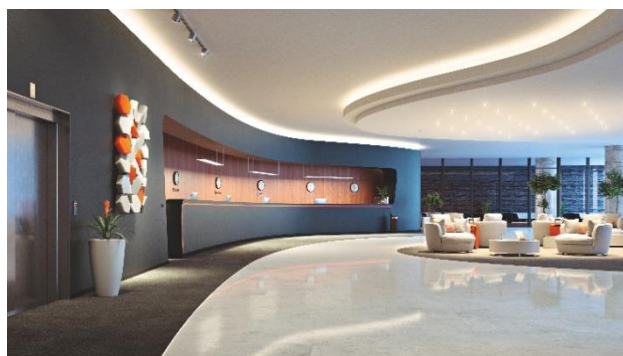
Light is OSRAM

OSRAM

LINEARlight FLEX Power & Shop White

High luminous flux IP 00 LED strips

LF1200/2000/3000/4000



Features & Benefits

- High luminous flux up to 3850 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
- "Shop White" versions available for great color rendering without yellowing effect
- Dimmable by PWM technology & DALI
- Great design freedom thanks to flexibility and cuttability of the LED strip
- Toolless connection with the optional SLIMCONNECTsystem
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- Reel-to-Reel technology
- Made in Italy

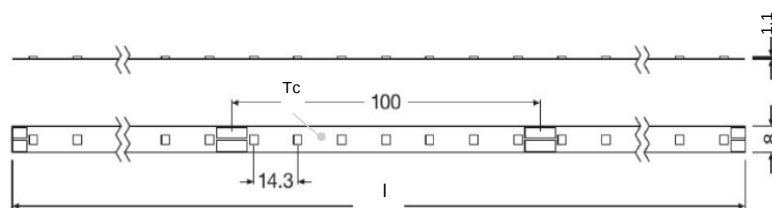
Application areas

Architectural lighting, Ceiling and Wall Integration, Cove lighting

Standards

CE, UL, ENEC, EAC, VDE, Acc. to ENEC 10

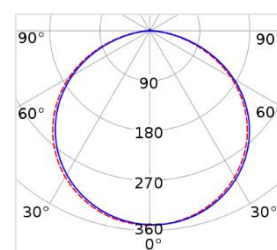
Technical data



	LF1200	LF2000	LF3000	LF4000
l mm	9000	4500	3000	3000

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

Nominal Voltage	24.0 V
Reverse voltage protection up to	25.0 V
Temperature range in operation @ Tc point	-20...+90 °C
Storage Temperature	-40...+80 °C
Ambient Temperature with profile **	-20...+50 °C



Beam Angle 120°

Technical data

POWER LF1200	 Nominal CCT See color output data	CRI	Luminous Flux per meter lm/m	Power W/m	Luminous Efficacy lm/W	Performance Temp. Tp °C	Length m
LF1200-G3-820-09	 2000 K	>80	1000	10.6	94	45	9
LF1200-G3-824-09	 2400 K	>80	1200	10.6	113	45	9
LF1200-G3-827-09	 2700 K	>80	1200	8.9	135	40	9
LF1200-G3-830-09	 3000 K	>80	1200	8.9	135	40	9
LF1200-G3-840-09	 4000 K	>80	1200	8.1	147	40	9
LF1200-G3-850-09	 5000 K	>80	1200	8.1	147	40	9
LF1200-G3-865-09	 6500 K	>80	1200	8.1	147	40	9
LF1200-G3-927-09	 2700 K	>90	1100	10.6	103	45	9
LF1200-G3-930-09	 3000 K	>90	1200	10.6	113	45	9
LF1200-G3-940-09	 4000 K	>90	1200	10.0	120	40	9
LF1200-G3-SW30-09	 3000 K	>90	1200	10.0	120	40	9
LF1200-G3-SW40-09	 4000 K	>90	1200	10.0	120	40	9

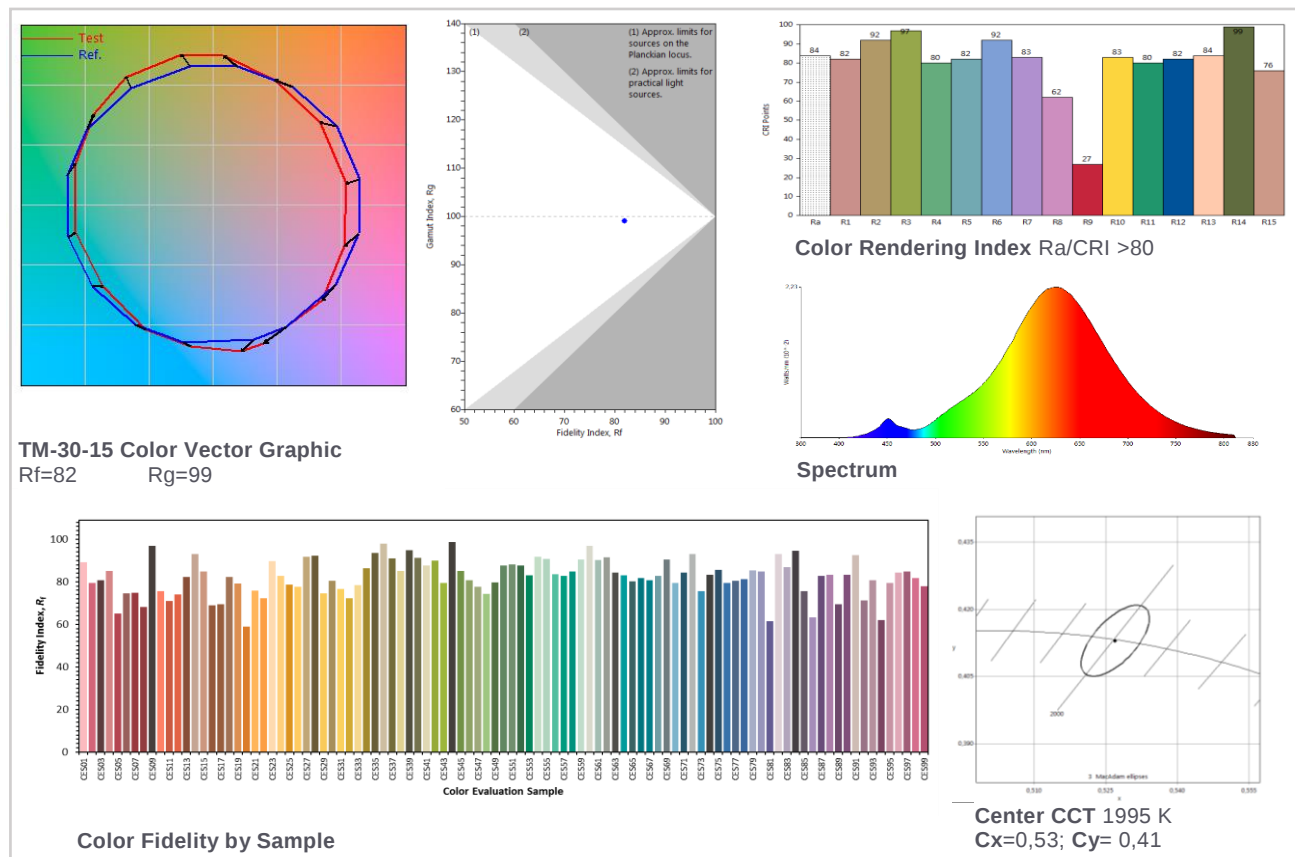
POWER LF2000	 Nominal CCT See color output data	CRI	Luminous Flux per meter lm/m	Power W/m	Luminous Efficacy lm/W	Performance Temp. Tp °C	Length m
LF2000-G3-820-04	 2000 K	>80	1650	17.9	92	50	4.5
LF2000-G3-824-04	 2400 K	>80	2000	17.9	112	50	4.5
LF2000-G3-827-04	 2700 K	>80	2000	15	134	45	4.5
LF2000-G3-830-04	 3000 K	>80	2000	15	134	45	4.5
LF2000-G3-840-04	 4000 K	>80	2000	13.6	147	45	4.5
LF2000-G3-850-04	 5000 K	>80	2000	13.6	147	45	4.5
LF2000-G3-865-04	 6500 K	>80	2000	13.6	147	45	4.5
LF2000-G3-927-04	 2700 K	>90	1800	17.9	101	50	4.5
LF2000-G3-930-04	 3000 K	>90	2000	17.9	112	50	4.5
LF2000-G3-940-04	 4000 K	>90	2000	16.3	123	45	4.5
LF2000-G3-SW30-04	 3000 K	>90	2000	17.9	112	55	4.5
LF2000-G3-SW40-04	 4000 K	>90	2000	17.9	112	55	4.5

POWER LF3000	 Nominal CCT See color output data	CRI	Luminous Flux per meter lm/m	Power W/m	Luminous Efficacy lm/W	Performance Temp. Tp °C	Length m
LF3000-G3-820-03	 2000 K	>80	2500	28.9	87	60	3
LF3000-G3-824-03	 2400 K	>80	3000	28.9	104	60	3
LF3000-G3-827-03	 2700 K	>80	3000	23.7	127	55	3
LF3000-G3-830-03	 3000 K	>80	3000	23.7	127	55	3
LF3000-G3-840-03	 4000 K	>80	3000	21.8	138	55	3
LF3000-G3-850-03	 5000 K	>80	3000	21.8	138	55	3
LF3000-G3-865-03	 6500 K	>80	3000	21.8	138	55	3
LF3000-G3-927-03	 2700 K	>90	2700	28.9	93	60	3
LF3000-G3-930-03	 3000 K	>90	3000	28.9	104	60	3
LF3000-G3-940-03	 4000 K	>90	3000	26.5	113	60	3
LF3000-G3-SW30-03	 3000 K	>90	3000	27.6	109	60	3
LF3000-G3-SW40-03	 4000 K	>90	3000	27.6	109	60	3

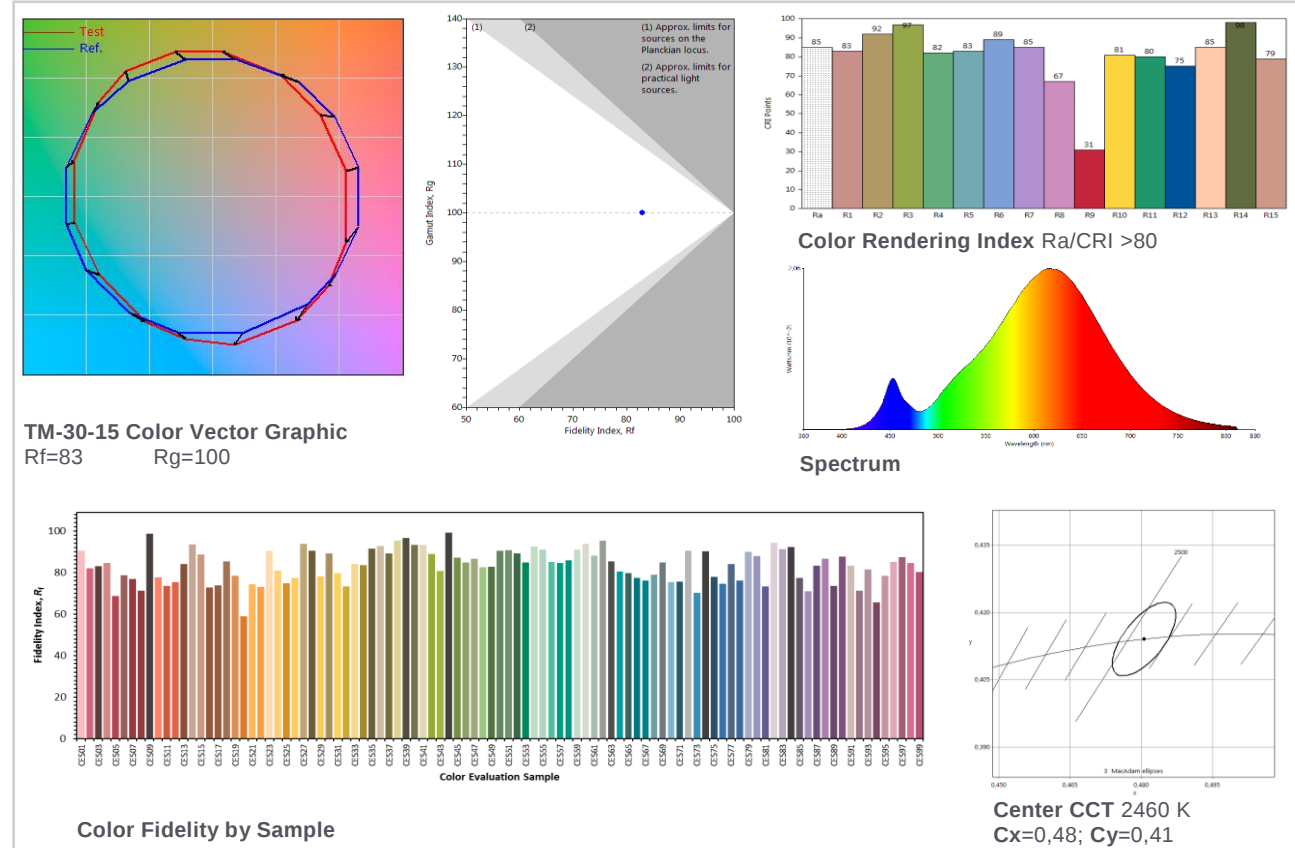
POWER LF4000	 Nominal CCT See color output data	CRI	Luminous Flux per meter lm/m	Power W/m	Luminous Efficacy lm/W	Performance Temp. Tp °C	Length m
LF4000-G3-827-03	 2700 K	>80	3750	28.9	130	60	3
LF4000-G3-830-03	 3000 K	>80	3750	28.9	130	60	3
LF4000-G3-840-03	 4000 K	>80	3850	28.9	133	60	3
LF4000-G3-850-03	 5000 K	>80	3850	28.9	133	60	3
LF4000-G3-865-03	 6500 K	>80	3850	28.9	133	60	3

Color output data

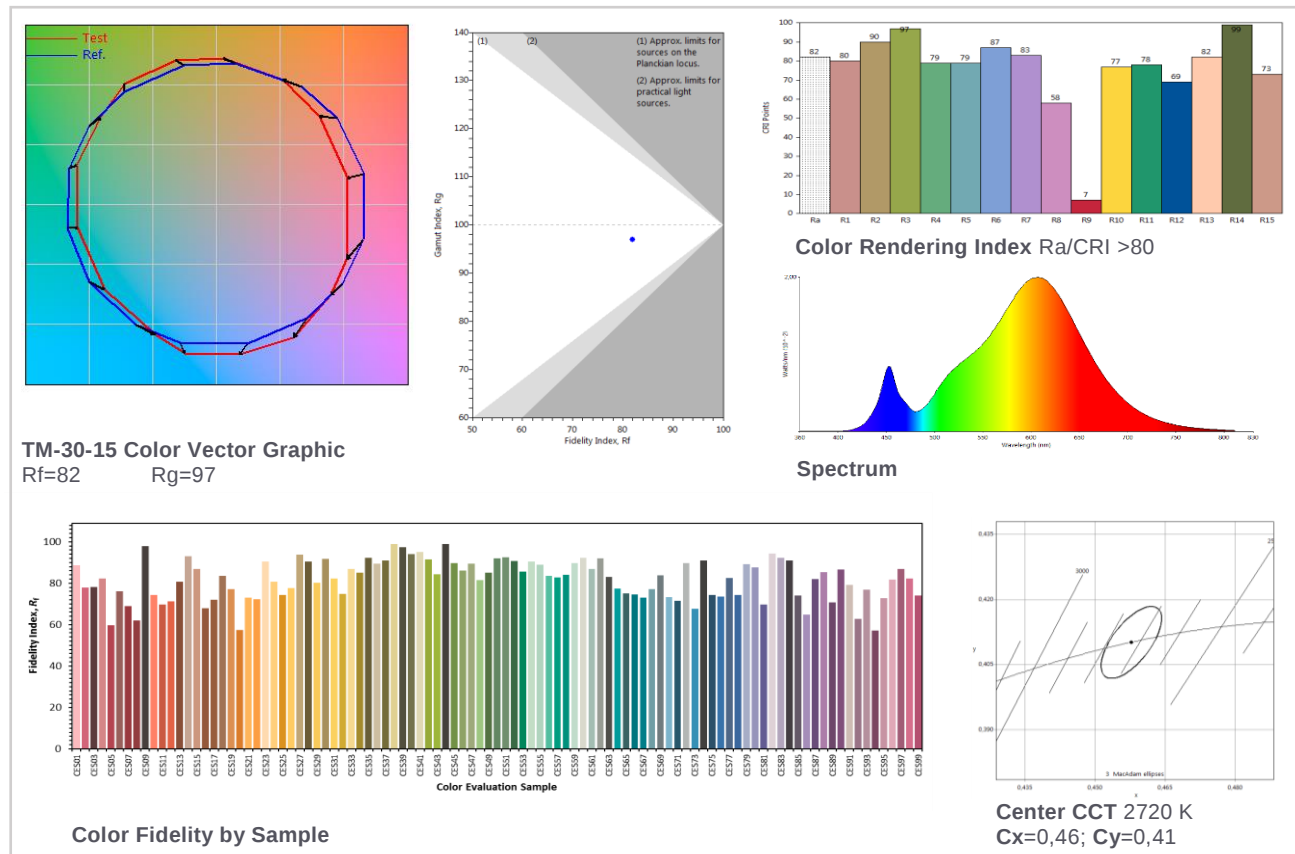
LFxx00-G3-820



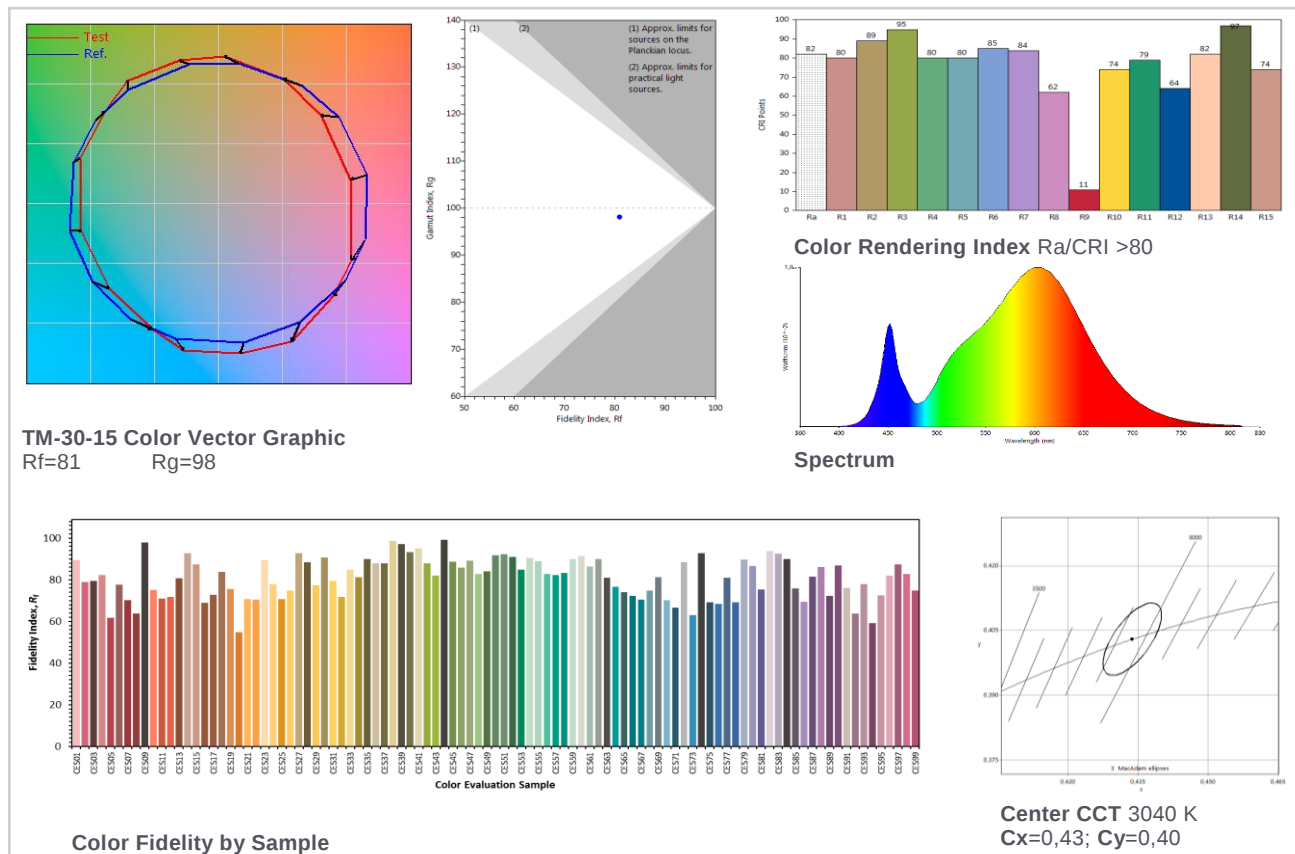
LFxx00-G3-824



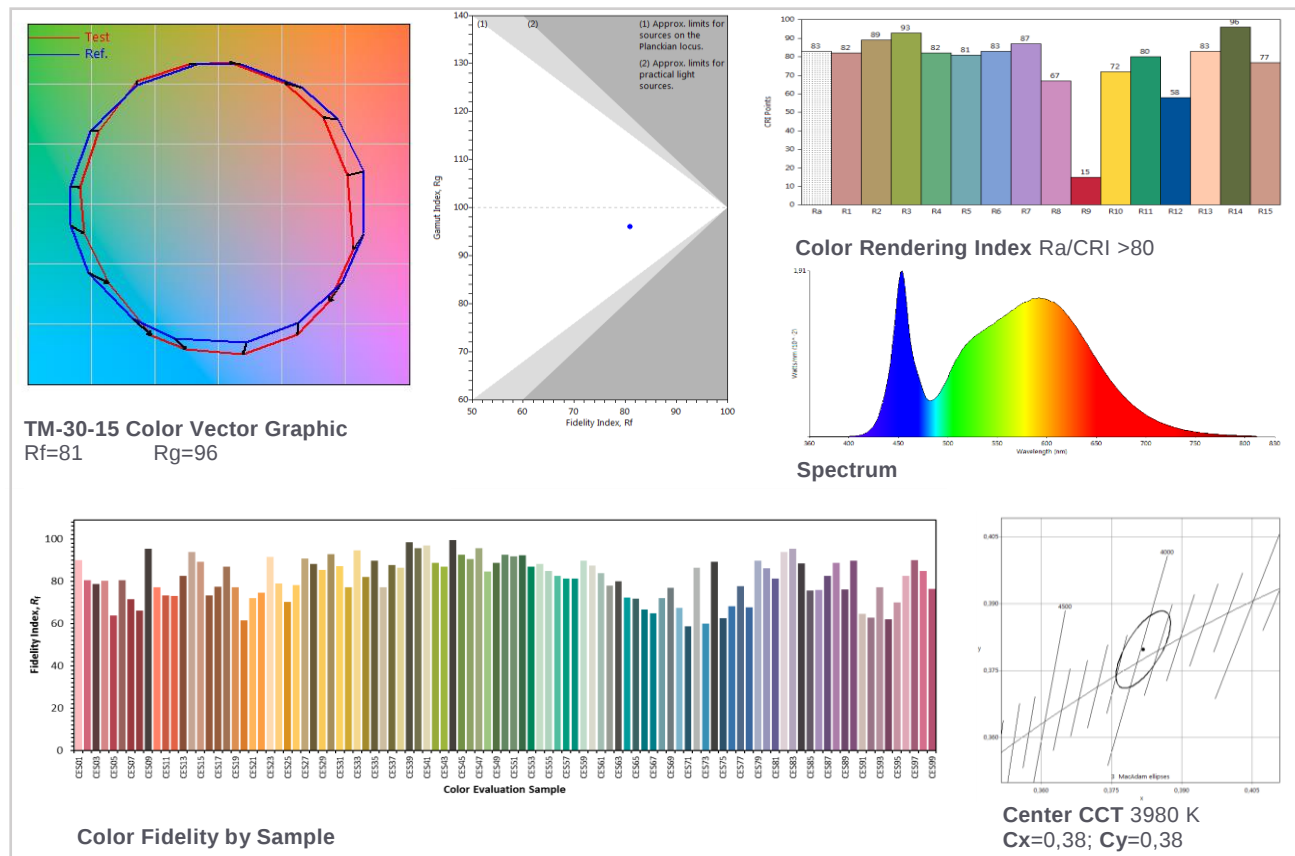
LFxx00-G3-827



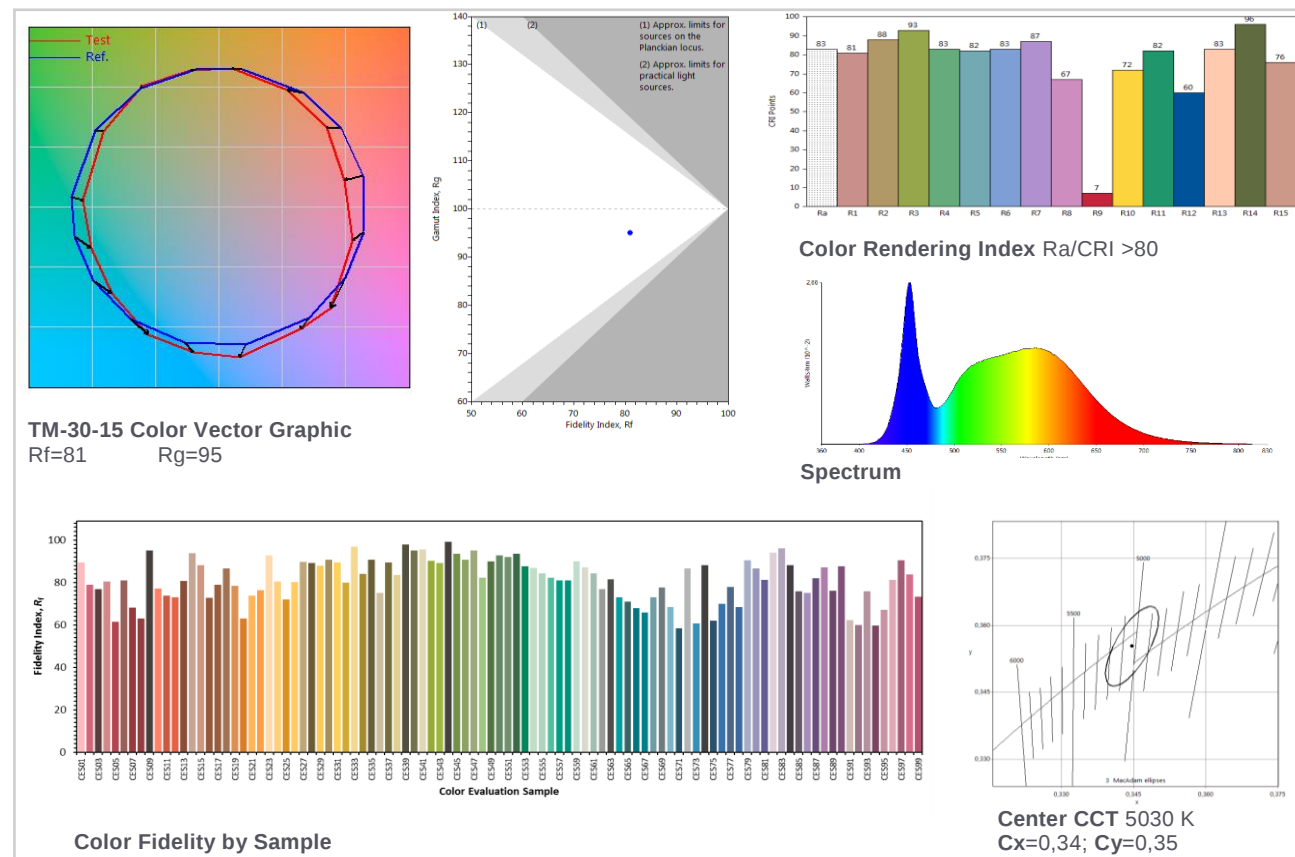
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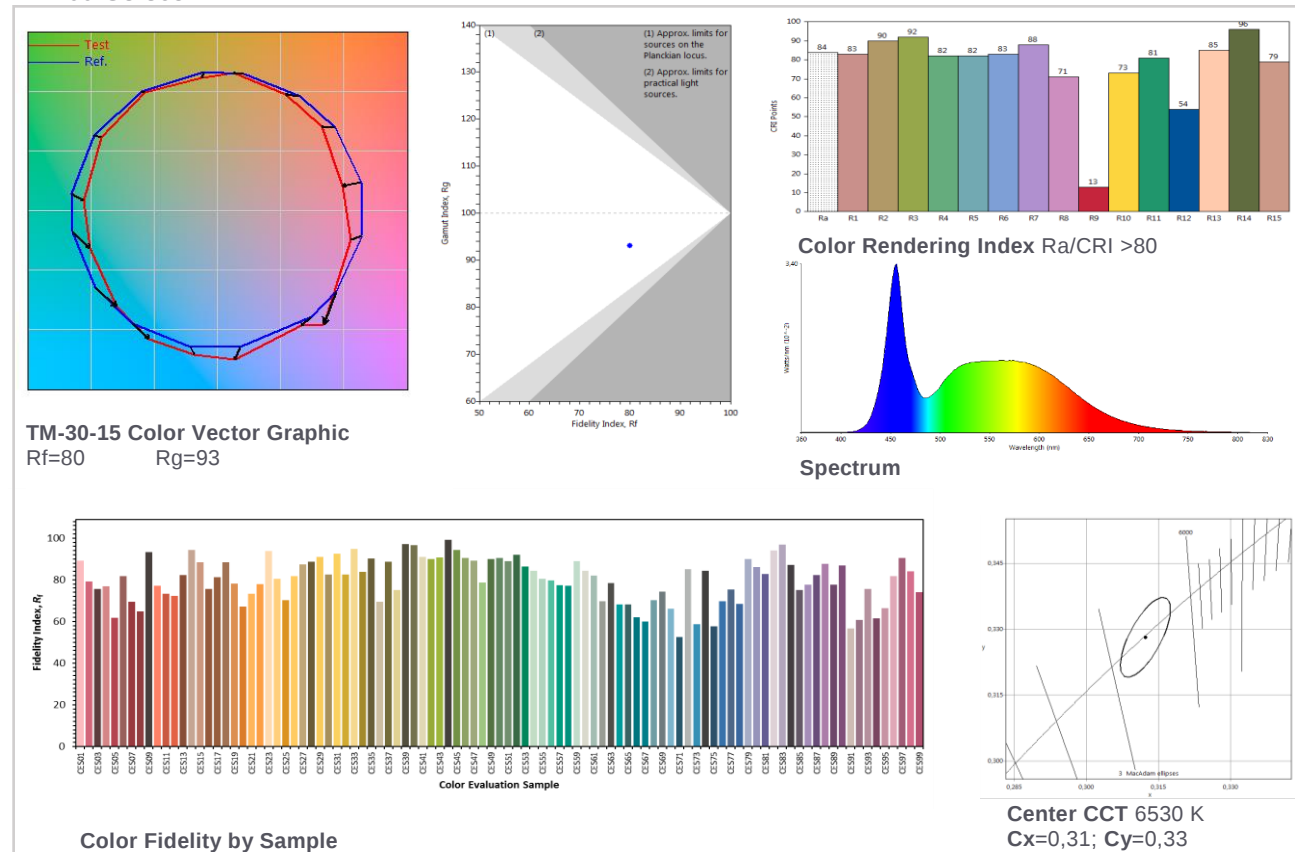
LFxx00-G3-840



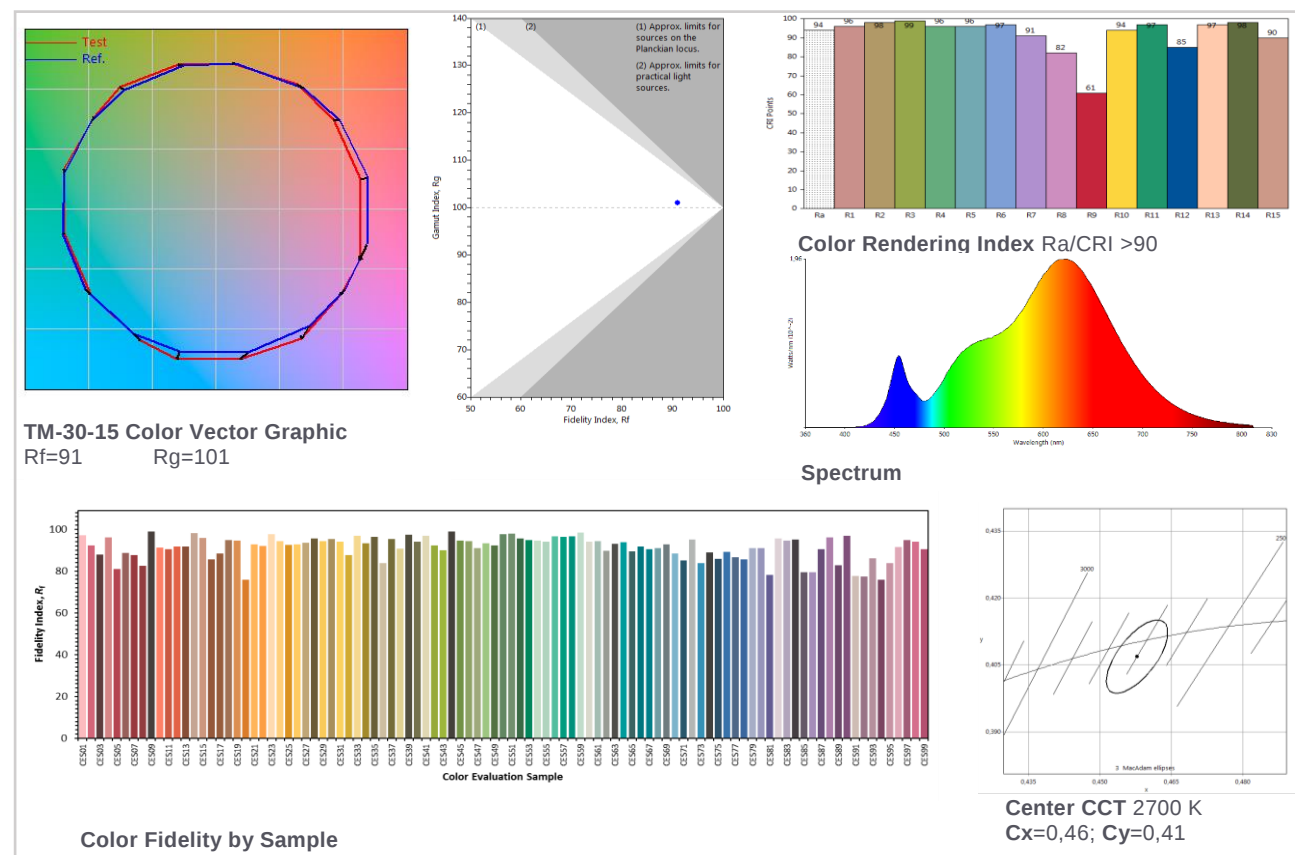
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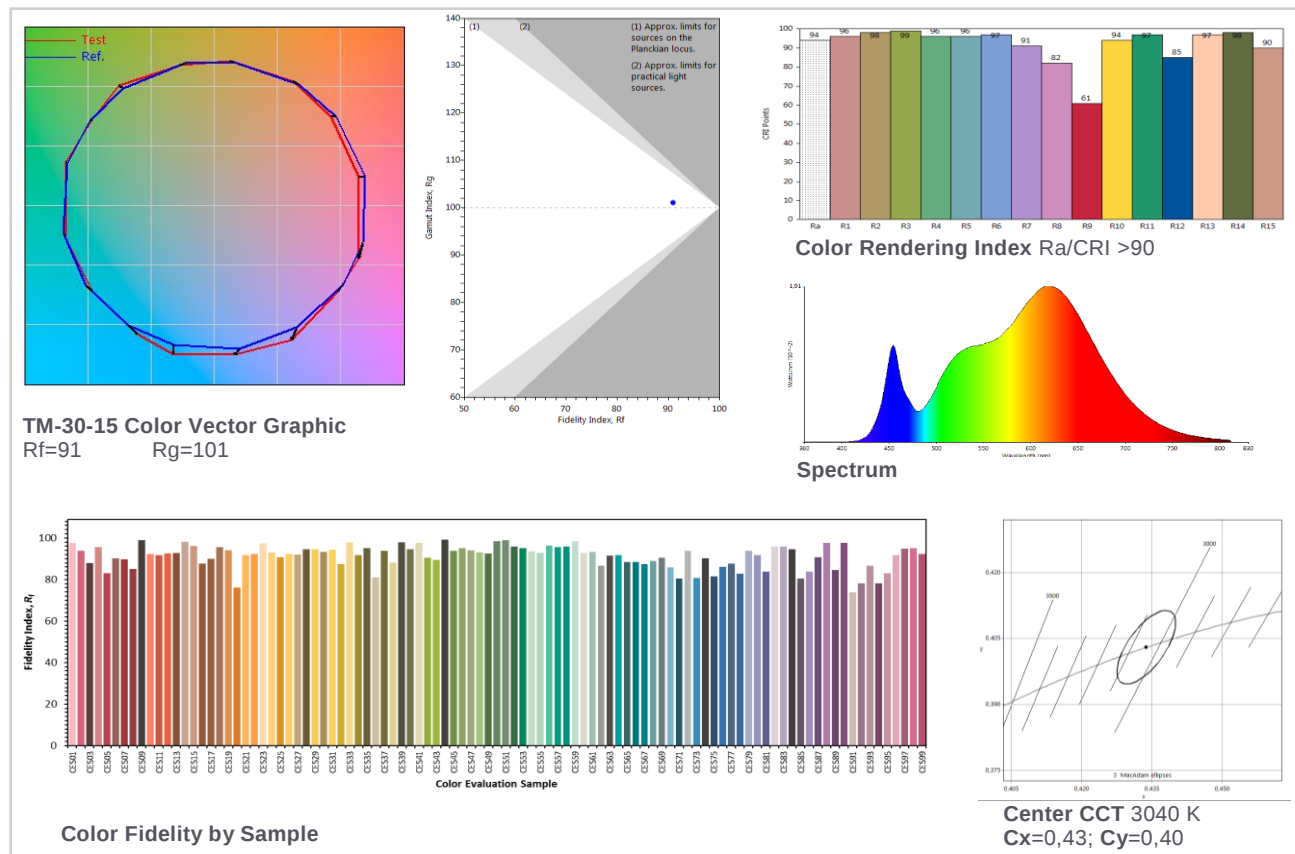
LFxx00-G3-865



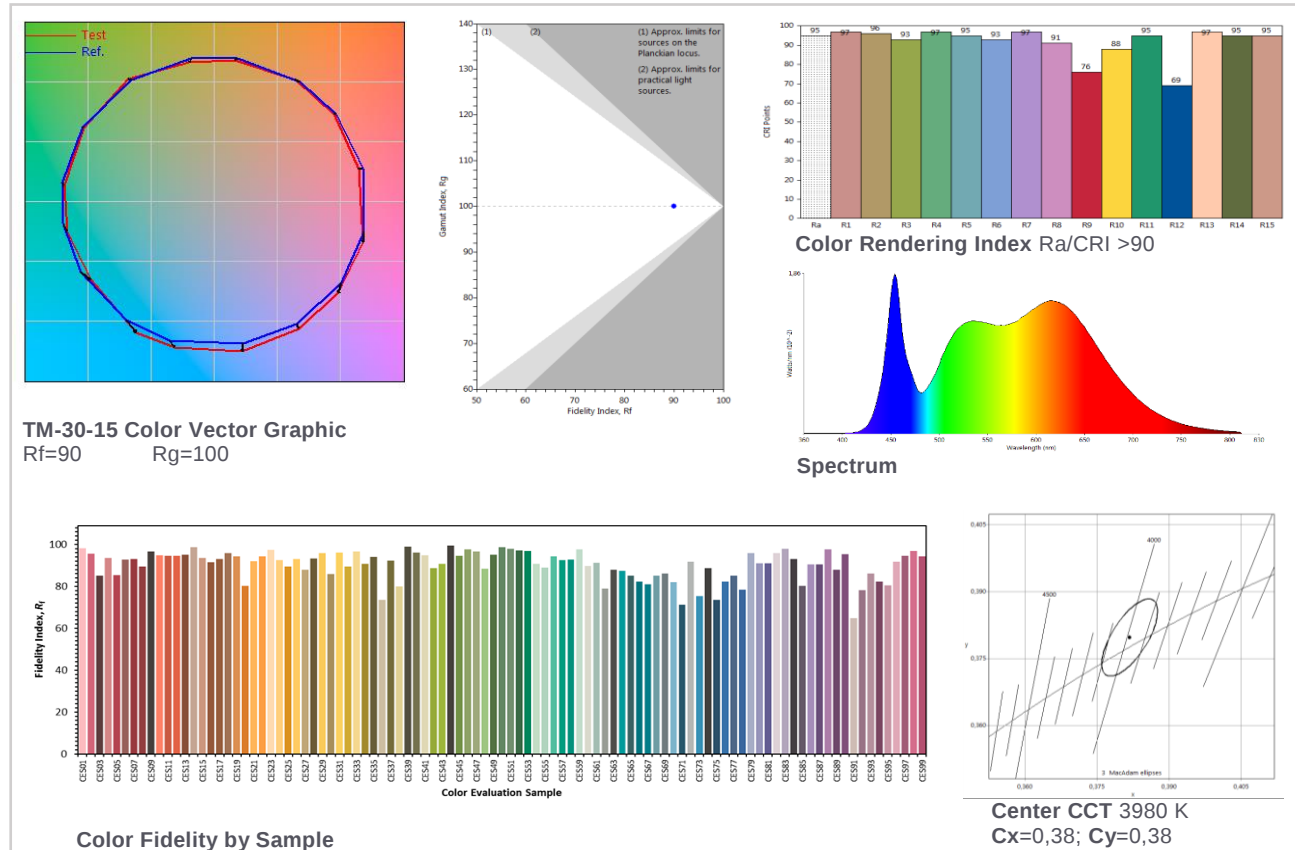
LFxx00-G3-927



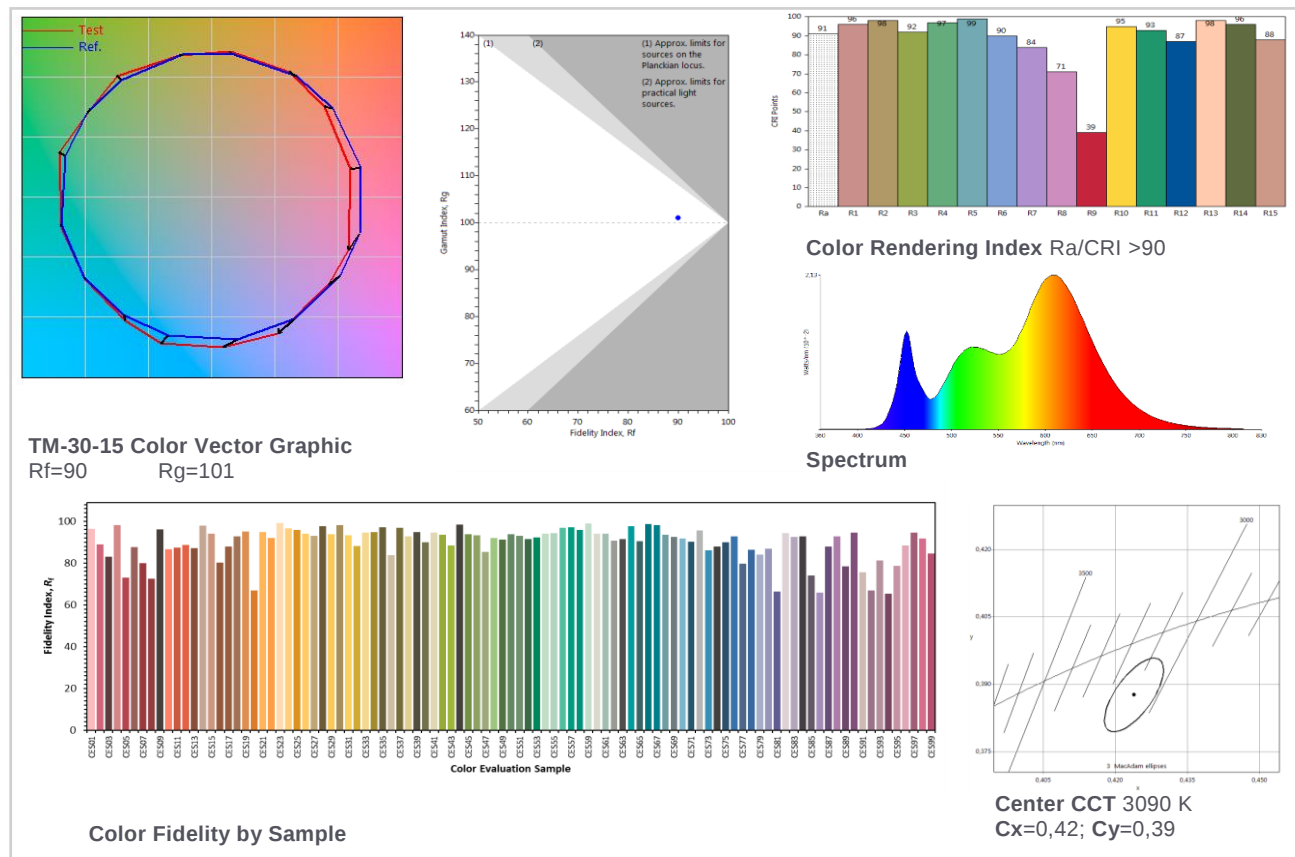
LFxx00-G3-930



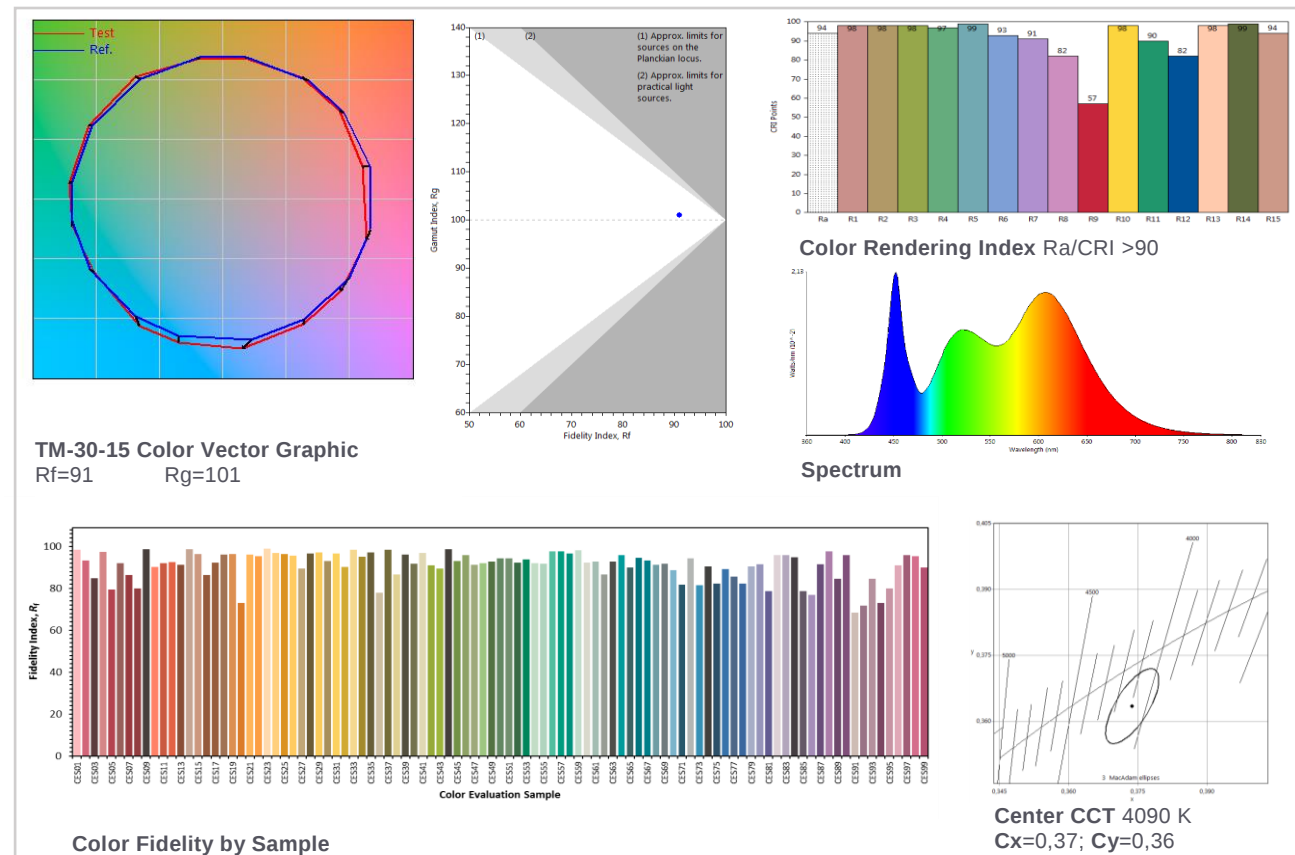
LFxx00-G3-940



LFxx00-G3-SW30

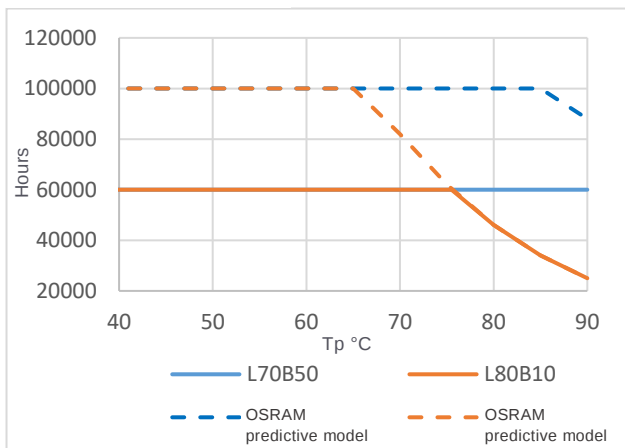


LFxx00-G3-SW40

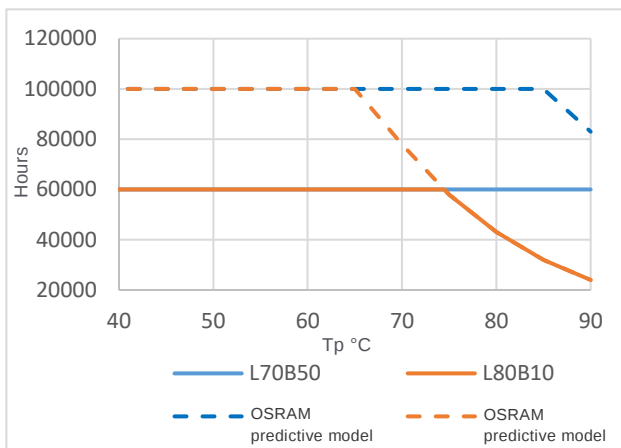


Lifetime

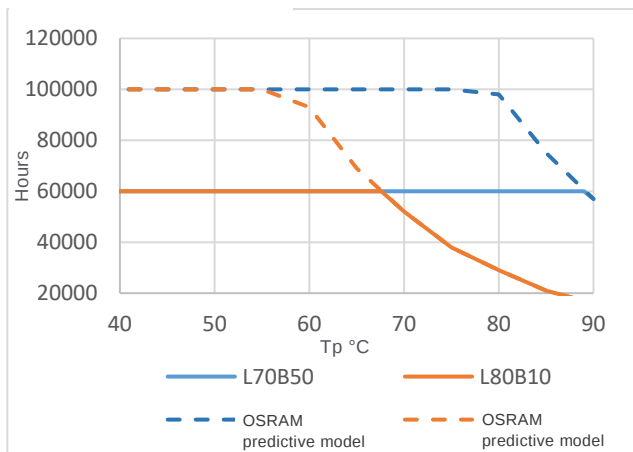
LF1200



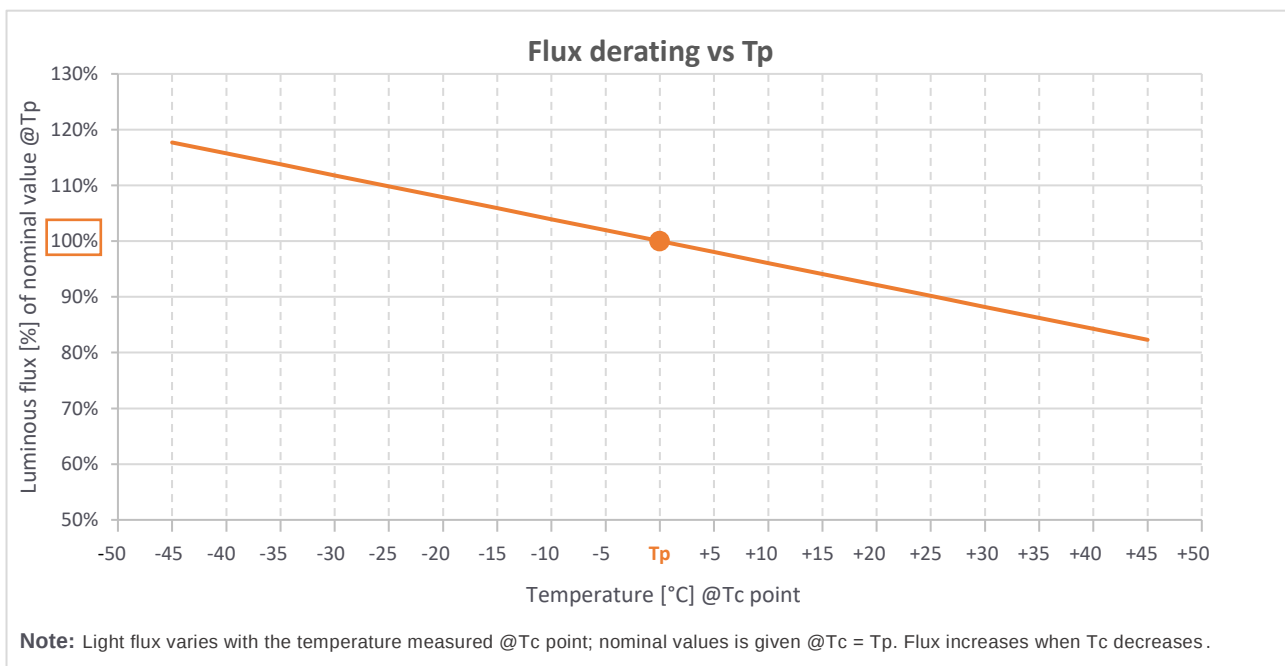
LF2000



LF3000/4000



Luminous Flux maintenance according to Tp value



Order Code

Product description	Product code	Dimensions (length x width x height)	EAN10 Package content
LF1200-G3-820-09	4052899953055	9000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF1200-G3-824-09	4052899953062	9000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF1200-G3-827-09	4052899953079	9000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF1200-G3-830-09	4052899953086	9000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF1200-G3-840-09	4052899953093	9000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF1200-G3-850-09	4052899953291	9000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF1200-G3-865-09	4052899953314	9000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF1200-G3-927-09	4052899953321	9000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF1200-G3-930-09	4052899953338	9000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF1200-G3-940-09	4052899953345	9000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF1200-G3-SW30-09	4052899964044	9000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF1200-G3-SW40-09	4052899964051	9000 x 8 x 1.4 mm	1x Led strip; 1x connector

Product description	Product code	Dimensions (length x width x height)	EAN10 Package content
LF2000-G3-820-04	4052899952980	4500 x 8 x 1.4 mm	1x Led strip; 1x connector
LF2000-G3-824-04	4052899952997	4500 x 8 x 1.4 mm	1x Led strip; 1x connector
LF2000-G3-827-04	4052899953000	4500 x 8 x 1.4 mm	1x Led strip; 1x connector
LF2000-G3-830-04	4052899953017	4500 x 8 x 1.4 mm	1x Led strip; 1x connector
LF2000-G3-840-04	4052899953024	4500 x 8 x 1.4 mm	1x Led strip; 1x connector
LF2000-G3-850-04	4052899953031	4500 x 8 x 1.4 mm	1x Led strip; 1x connector
LF2000-G3-865-04	4052899953048	4500 x 8 x 1.4 mm	1x Led strip; 1x connector
LF2000-G3-927-09	4052899963993	4500 x 8 x 1.4 mm	1x Led strip; 1x connector
LF2000-G3-930-04	4052899964006	4500 x 8 x 1.4 mm	1x Led strip; 1x connector
LF2000-G3-940-04	4052899964013	4500 x 8 x 1.4 mm	1x Led strip; 1x connector
LF2000-G3-SW30-04	4052899964020	4500 x 8 x 1.4 mm	1x Led strip; 1x connector
LF2000-G3-SW40-04	4052899964037	4500 x 8 x 1.4 mm	1x Led strip; 1x connector

Product description	Product code	Dimensions (length x width x height)	EAN10 Package content
LF3000-G3-820-03	4052899952911	3000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF3000-G3-824-03	4052899952928	3000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF3000-G3-827-03	4052899952935	3000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF3000-G3-830-03	4052899952942	3000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF3000-G3-840-03	4052899952959	3000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF3000-G3-850-03	4052899952966	3000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF3000-G3-865-03	4052899952973	3000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF3000-G3-927-03	4052899963948	3000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF3000-G3-930-03	4052899963955	3000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF3000-G3-940-03	4052899963962	3000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF3000-G3-SW30-03	4052899963979	3000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF3000-G3-SW40-03	4052899963986	3000 x 8 x 1.4 mm	1x Led strip; 1x connector

Product description	Product code	Dimensions (length x width x height)	EAN10 Package content
LF4000-G3-827-03	4052899952867	3000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF4000-G3-830-03	4052899952874	3000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF4000-G3-840-03	4052899952881	3000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF4000-G3-850-03	4052899952898	3000 x 8 x 1.4 mm	1x Led strip; 1x connector
LF4000-G3-865-03	4052899952904	3000 x 8 x 1.4 mm	1x Led strip; 1x connector

Choose your accessories

Product Type	Product description	Product code	Package content	MOQ
 Connector	FX-SC08-G2-CT2PF-0500	4052899464735	1x Connector (500mm wire)	20
 Connector	FX-SC08-G2-CT2PF-1000	4052899464766	1x Connector (1000mm wire)	20
 Jumper	FX-SC08-G2-CT4PJ	4052899464858	1x Jumper	25
 Extension wire 30 mm	FX-SC08-G1-FW4P-LIN-0030	4008321875587	1x Extension wire 30 mm	100
 Extension wire 150 mm	FX-SC08-G1-FW4P-LIN-0150	4008321875563	1x Extension wire 150 mm	50
 Extension wire 300 mm	FX-SC08-G1-FW4P-LIN-0300	4052899469259	1x Extension wire 300 mm	50

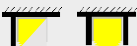
Note: All LINEARlight FLEX LED strips are fully compatible with OSRAM OT and OTi LED drivers and dimmers.

Tracks System compatibility

The table reports the maximum recommended ambient temperature for each listed track in combination with LF POWER in case of surface mounting. In this condition the expected Tc of LED strip is the maximum allowed.

 Thermal measurements for surface mounting							
				LF1200	LF2000	LF3000	LF4000
Track Type		Product description	Product code (EAN)	Ambient Temperature °C			
	Slim Track	LF-LTS-2100	4008321978981	50	50	30	30
	Slim Track	FX-QMS-G1-TU15H6-300	4052899448865	50	47	30	30
	Slim Track	FX-QMS-G1-TU15H6W3-300	4052899448889	50	47	30	30
	Slim Track	FX-QMS-G1-TU16H12-300	4052899448964	50	50	30	30
	Slim Track	FX-QMS-G1-TU16H12W3-300	4052899448988	50	50	30	30
	Slim Track	FX-QMS-G1-TR19H16-300	4052899449008	50	50	30	30
	Slim Track	FX-QMS-G1-TU16H12LS-300	4052899449046	50	50	30	30
	Slim Track	FX-QMS-G1-T45D19H19-300	4052899448667	50	50	38	38
	Wide Track	FX-QMW-G1-TK30D46H27-300	4052899448827	50	50	45	45
	Wide Track	FX-QMW-G1-TU26H8-300	4052899448643	50	50	30	30
	Wide Track	FX-QMW-G1-TU26H25W10-300	4052899448773	50	50	40	40
	Wide Track	FX-QMW-G1-TU26H25W2-300	4052899448841	50	50	40	40
	Wide Track	FX-QMW-G1-TU26H25-300	4052899448803	50	50	40	40

The table reports the maximum recommended ambient temperature for each listed track in combination with LF POWER in case of recessed mounting. In this condition the expected Tc of LED strip is the maximum allowed.

 Thermal measurements for recessed mounting							
				LF1200	LF2000	LF3000	LF4000
Track Type		Product description	Product code (EAN)	Ambient Temperature °C			
	Slim Track	LF-LTS-2100	4008321978981	50	37	27	27
	Slim Track	FX-QMS-G1-TU15H6-300	4052899448865	50	35	25	25
	Slim Track	FX-QMS-G1-TU15H6W3-300	4052899448889	50	35	25	25
	Slim Track	FX-QMS-G1-TU16H12-300	4052899448964	50	37	27	27
	Slim Track	FX-QMS-G1-TU16H12W3-300	4052899448988	50	37	27	27
	Slim Track	FX-QMS-G1-TR19H16-300	4052899449008	50	37	27	27
	Slim Track	FX-QMS-G1-TU16H12LS-300	4052899449046	37	27	27	37
	Slim Track	FX-QMS-G1-T45D19H19-300	4052899448667	50	45	30	30
	Wide Track	FX-QMW-G1-TK30D46H27-300	4052899448827	50	50	45	45
	Wide Track	FX-QMW-G1-TU26H8-300	4052899448643	50	35	-	-
	Wide Track	FX-QMW-G1-TU26H25W10-300	4052899448773	50	40	35	35
	Wide Track	FX-QMW-G1-TU26H25W2-300	4052899448841	50	40	35	35
	Wide Track	FX-QMW-G1-TU26H25-300	4052899448803	50	40	35	35

Note: the table is for application evaluation only; always ensure that Tc do 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

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