

Light is 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
- Pre-soldered wires with the optional Connection System
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- Reel-to-Reel technology
- Made in Italy

Application areas

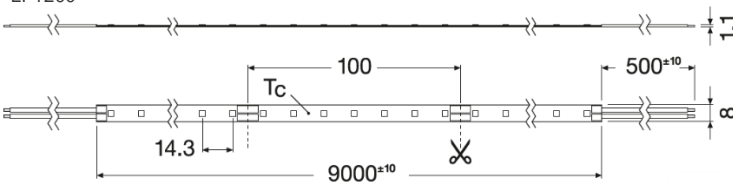
Architectural lighting, Ceiling and Wall Integration, Cove lighting

Standards

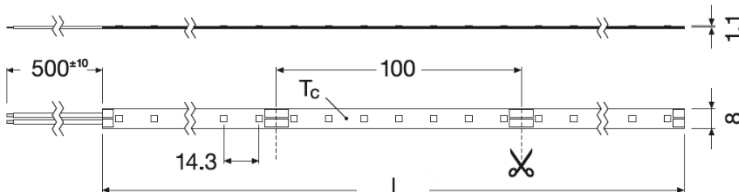
CE, UL, ENEC, EAC, VDE, Acc. to ENEC 10

Technical data

LF1200



LF2000/3000/4000



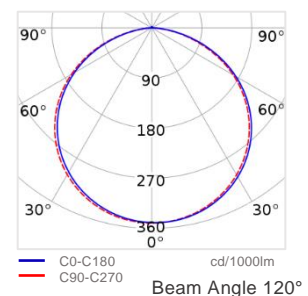
	LF1200	LF2000	LF3000	LF4000
l mm	9000	4500	3000	3000

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










Max. operable length = product length "l"










Flying leads both sides for LF1200
Flying leads one side for: LF2000/3000/4000










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








Technical data

POWER LF1200	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
LF1200-G3-824-09 L2	 2400 K	>80	1200	10.6	113	45	9
LF1200-G3-827-09 L2	 2700 K	>80	1200	8.9	135	40	9
LF1200-G3-830-09 L2	 3000 K	>80	1200	8.9	135	40	9
LF1200-G3-840-09 L2	 4000 K	>80	1200	8.1	147	40	9
LF1200-G3-850-09 L2	 5000 K	>80	1200	8.1	147	40	9
LF1200-G3-865-09 L2	 6500 K	>80	1200	8.1	147	40	9
LF1200-G3-927-09 L2	 2700 K	>90	1100	10.6	103	45	9
LF1200-G3-930-09 L2	 3000 K	>90	1200	10.6	113	45	9
LF1200-G3-940-09 L2	 4000 K	>90	1200	10.0	120	40	9

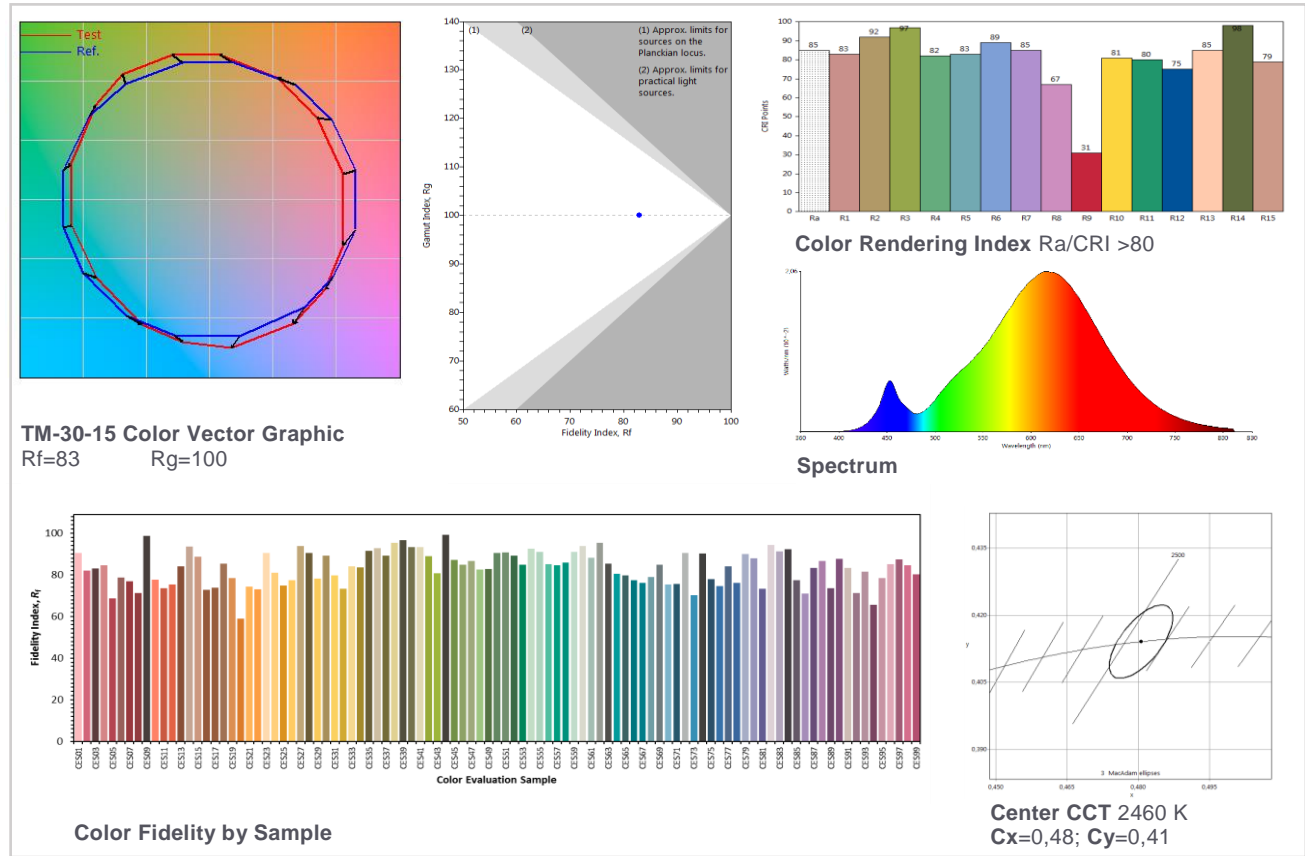
POWER LF2000	Nominal CCT <small>See color output data</small>	CRI	Luminous Flux per meter lm/m	Power W/m	Luminous Efficacy lm/W	Performance Temp. Tp °C	Length m
LF2000-G3-824-04 L1	 2400 K	>80	2000	17.9	112	50	4.5
LF2000-G3-827-04 L1	 2700 K	>80	2000	15	134	45	4.5
LF2000-G3-830-04 L1	 3000 K	>80	2000	15	134	45	4.5
LF2000-G3-840-04 L1	 4000 K	>80	2000	13.6	147	45	4.5
LF2000-G3-850-04 L1	 5000 K	>80	2000	13.6	147	45	4.5
LF2000-G3-865-04 L1	 6500 K	>80	2000	13.6	147	45	4.5
LF2000-G3-927-04 L1	 2700 K	>90	1800	17.9	101	50	4.5
LF2000-G3-930-04 L1	 3000 K	>90	2000	17.9	112	50	4.5
LF2000-G3-940-04 L1	 4000 K	>90	2000	16.3	123	45	4.5

POWER LF3000	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
LF3000-G3-824-03 L1 V2	 2400 K	>80	3000	27	111	60	3
LF3000-G3-827-03 L1 V2	 2700 K	>80	3000	23.7	127	55	3
LF3000-G3-830-03 L1 V2	 3000 K	>80	3000	23.7	127	55	3
LF3000-G3-840-03 L1 V2	 4000 K	>80	3000	21.8	138	55	3
LF3000-G3-850-03 L1 V2	 5000 K	>80	3000	21.8	138	55	3
LF3000-G3-865-03 L1 V2	 6500 K	>80	3000	21.8	138	55	3
LF3000-G3-927-03 L1 V2	 2700 K	>90	2800	28.1	100	60	3
LF3000-G3-930-03 L1 V2	 3000 K	>90	3000	28.1	107	60	3
LF3000-G3-940-03 L1 V2	 4000 K	>90	3100	25	124	60	3

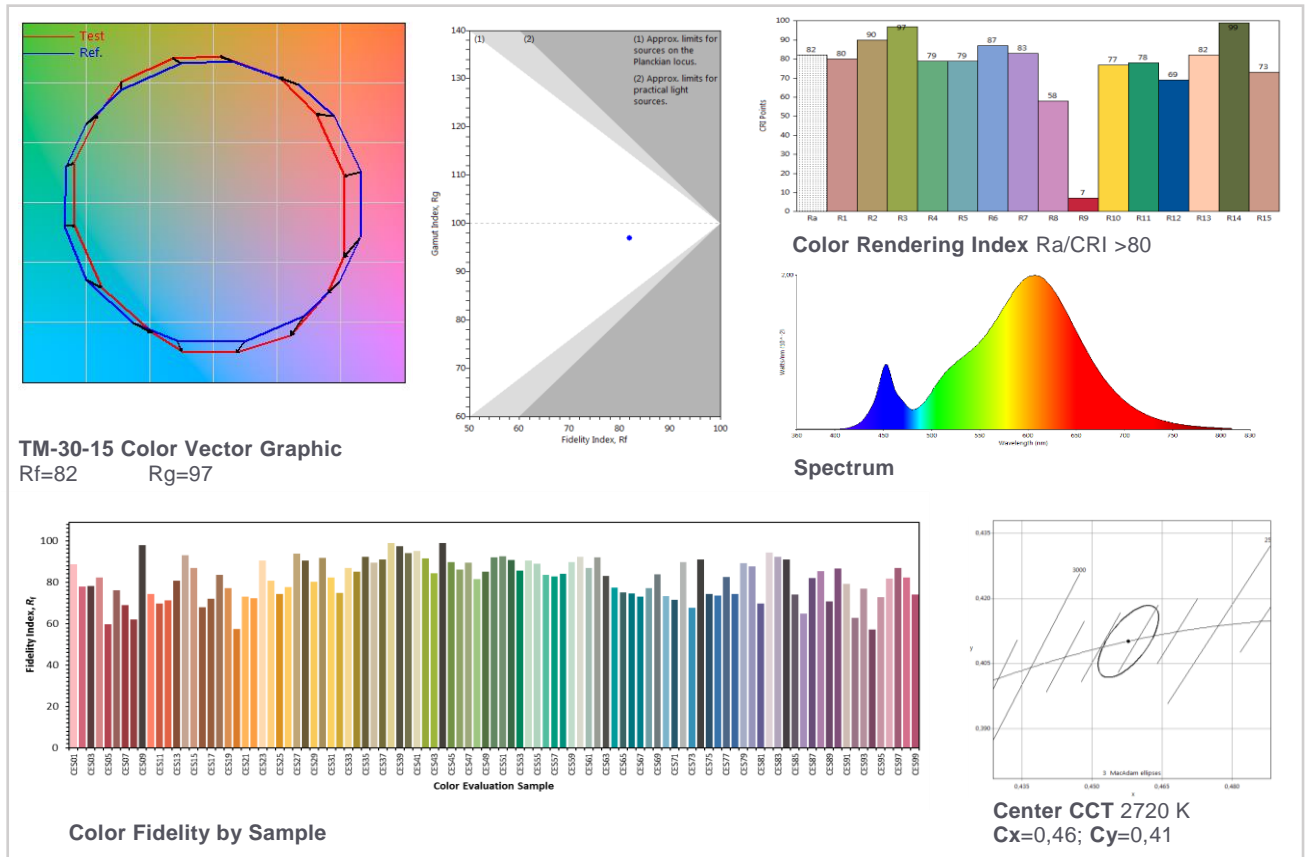
POWER LF4000	Nominal CCT <small>See color output data</small>	CRI	Luminous Flux per meter lm/m	Power W/m	Luminous Efficacy lm/W	Performance Temp. Tp °C	Length m
LF4000-G3-827-03 L1	 2700 K	>80	3750	28.9	130	60	3
LF4000-G3-830-03 L1	 3000 K	>80	3750	28.9	130	60	3
LF4000-G3-840-03 L1	 4000 K	>80	3850	28.9	133	60	3
LF4000-G3-850-03 L1	 5000 K	>80	3850	28.9	133	60	3
LF4000-G3-865-03 L1	 6500 K	>80	3850	28.9	133	60	3

Color output data

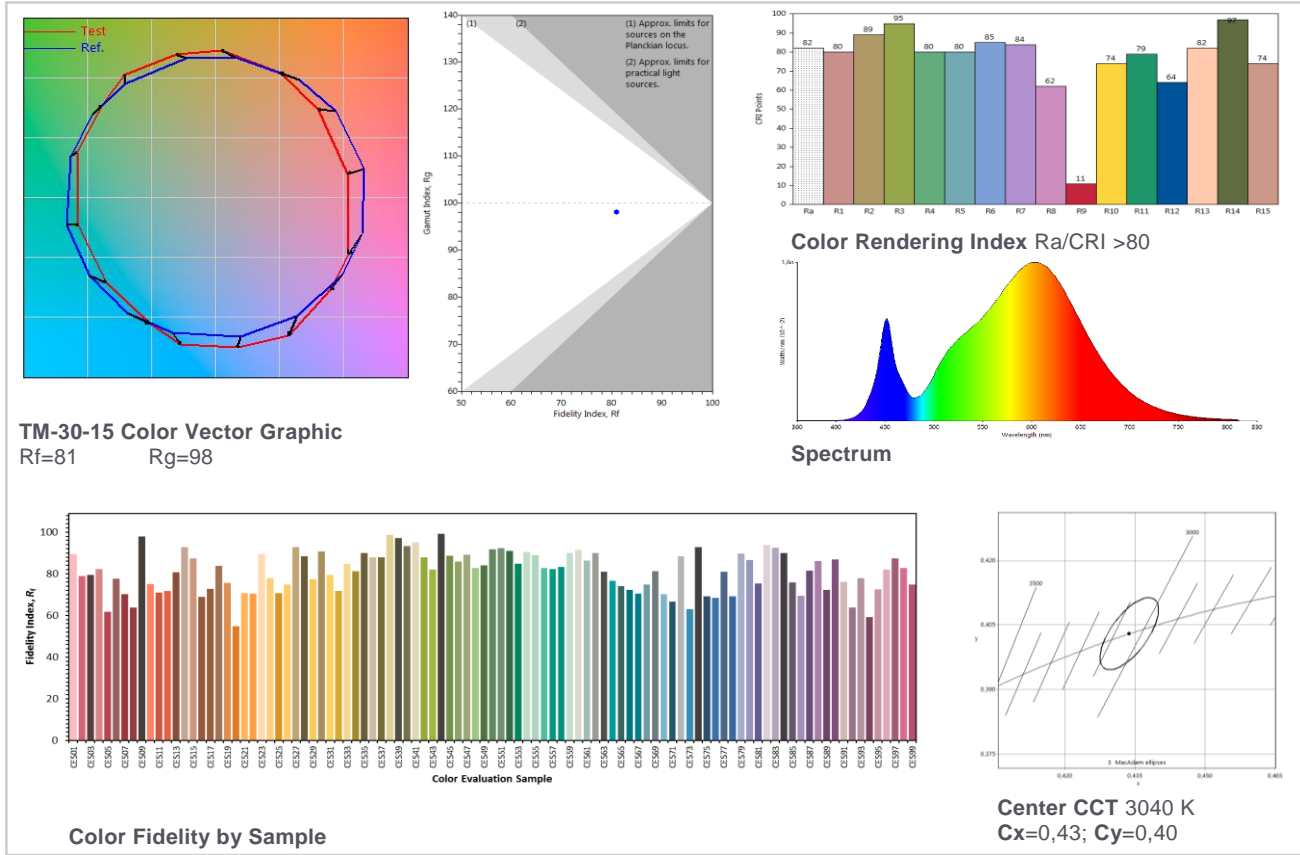
LFxx00-G3-824



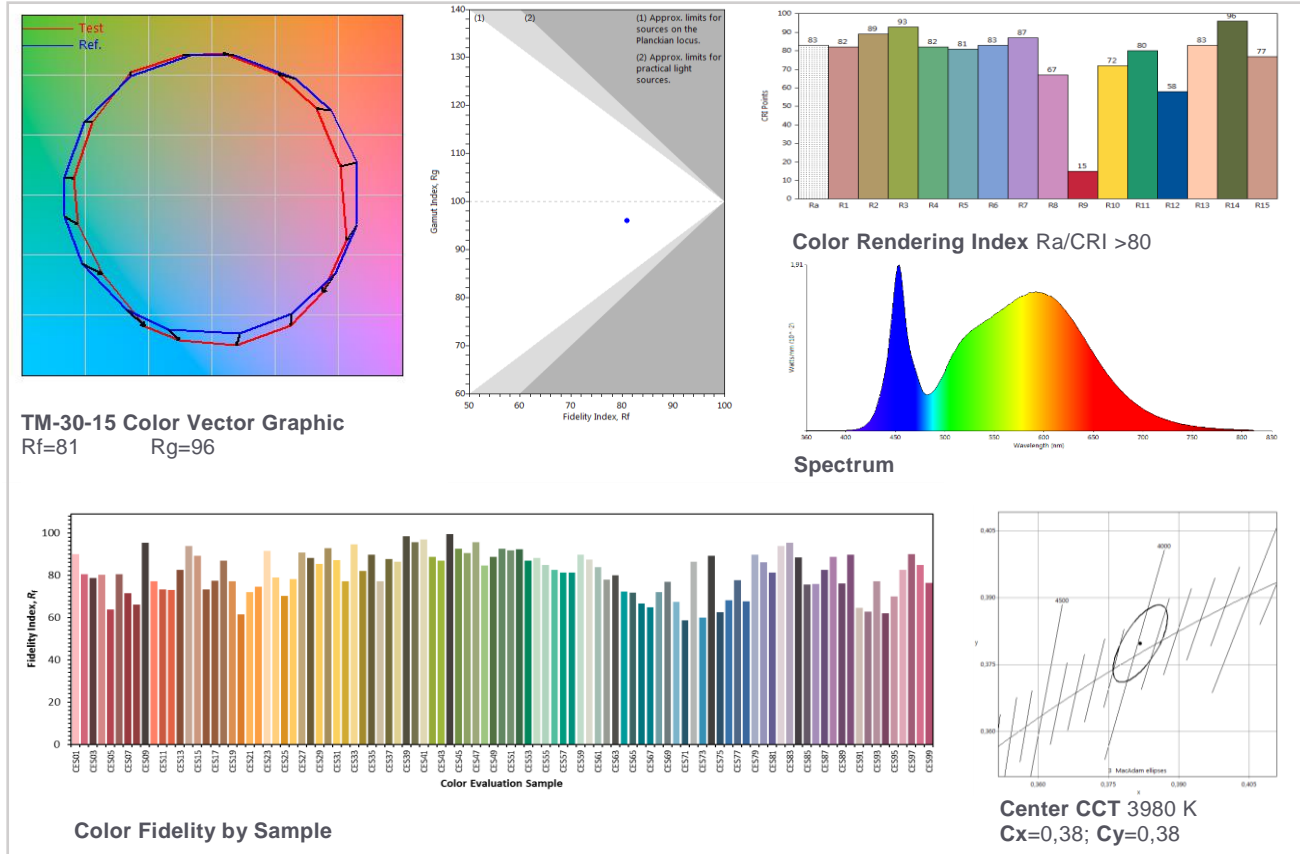
LFxx00-G3-827



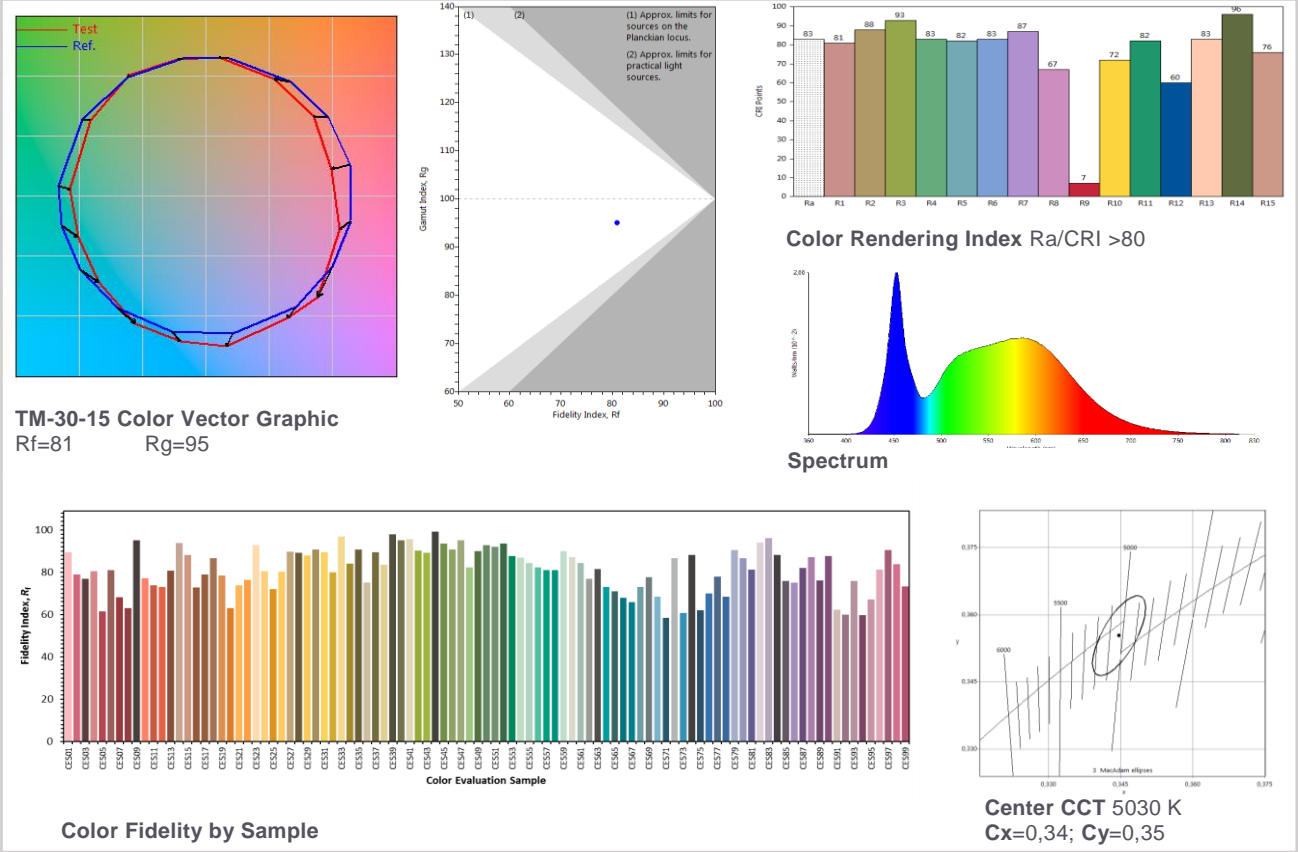
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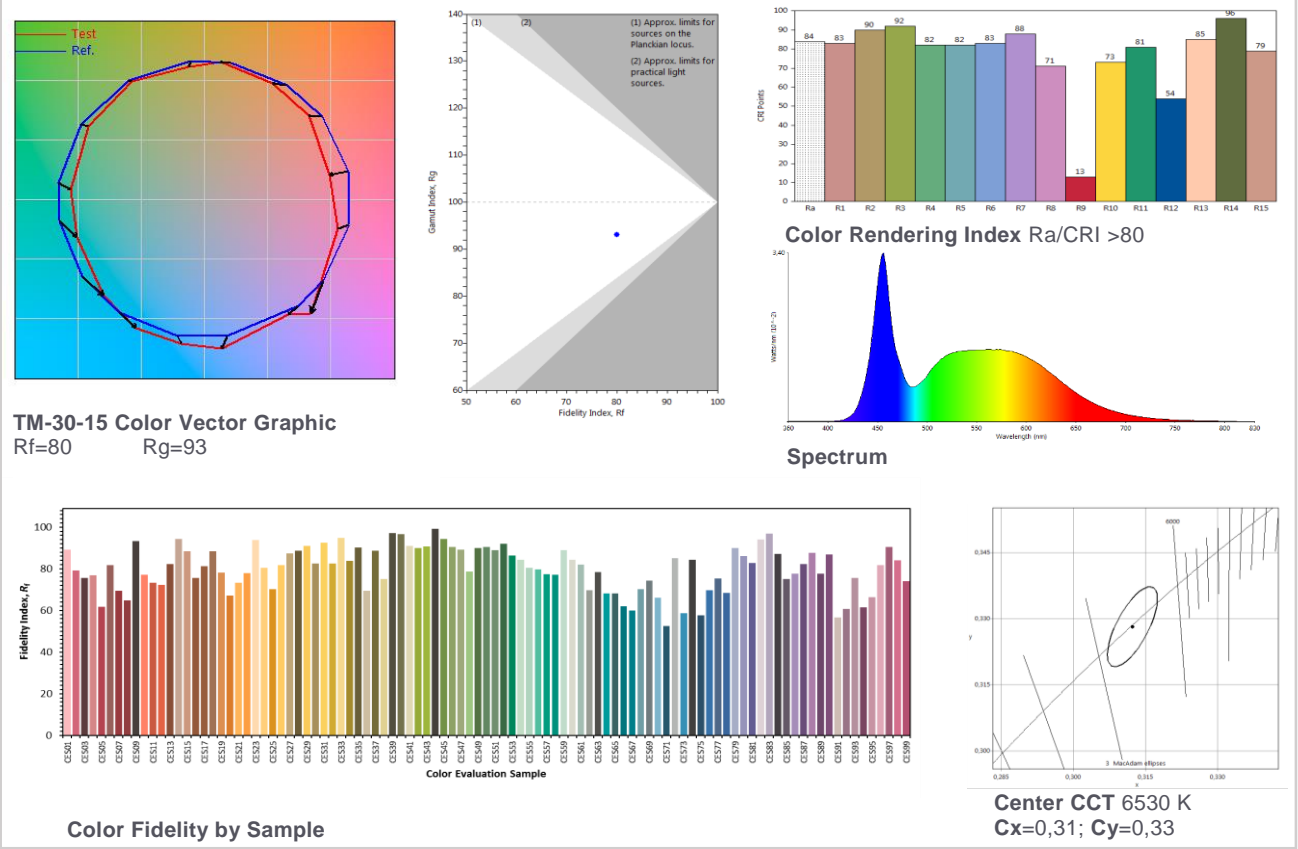
LFxx00-G3-840



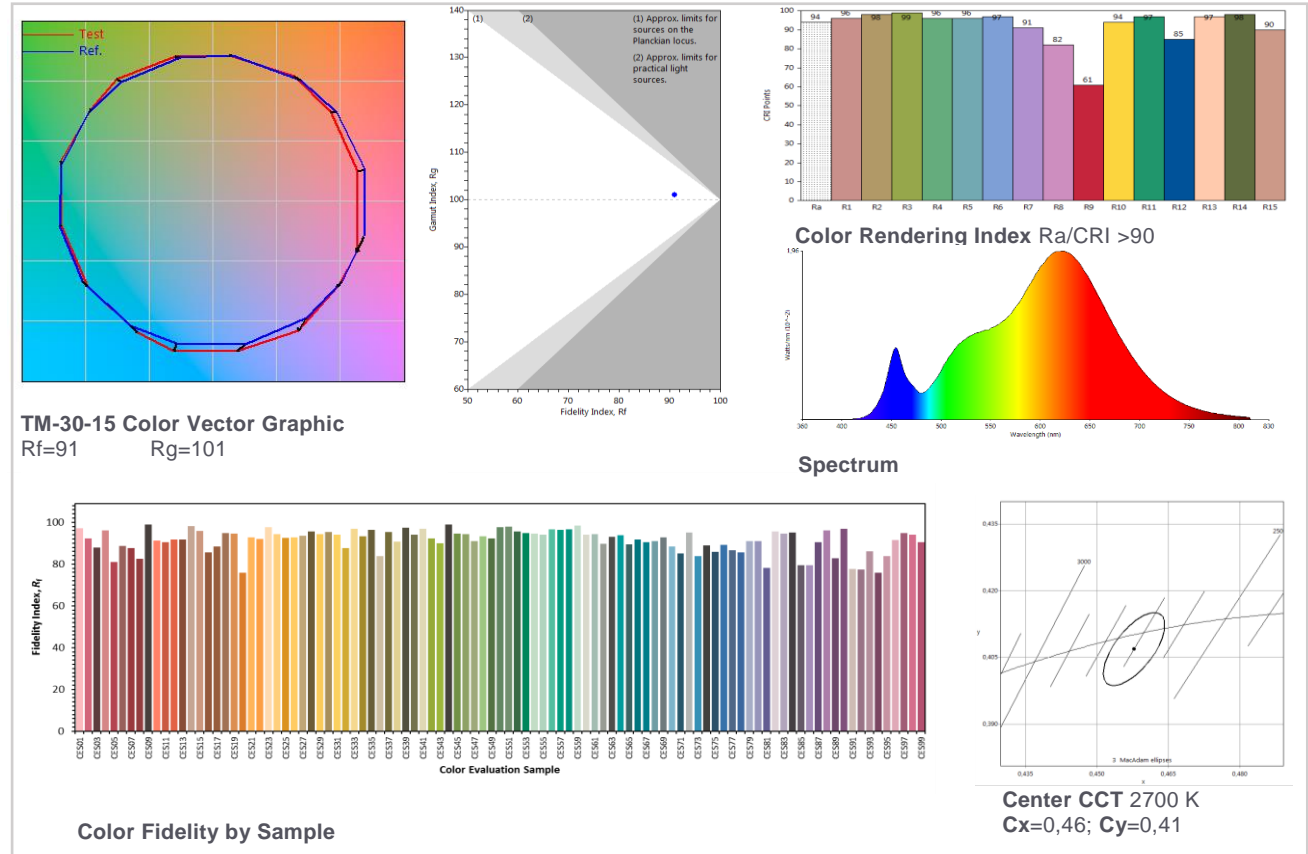
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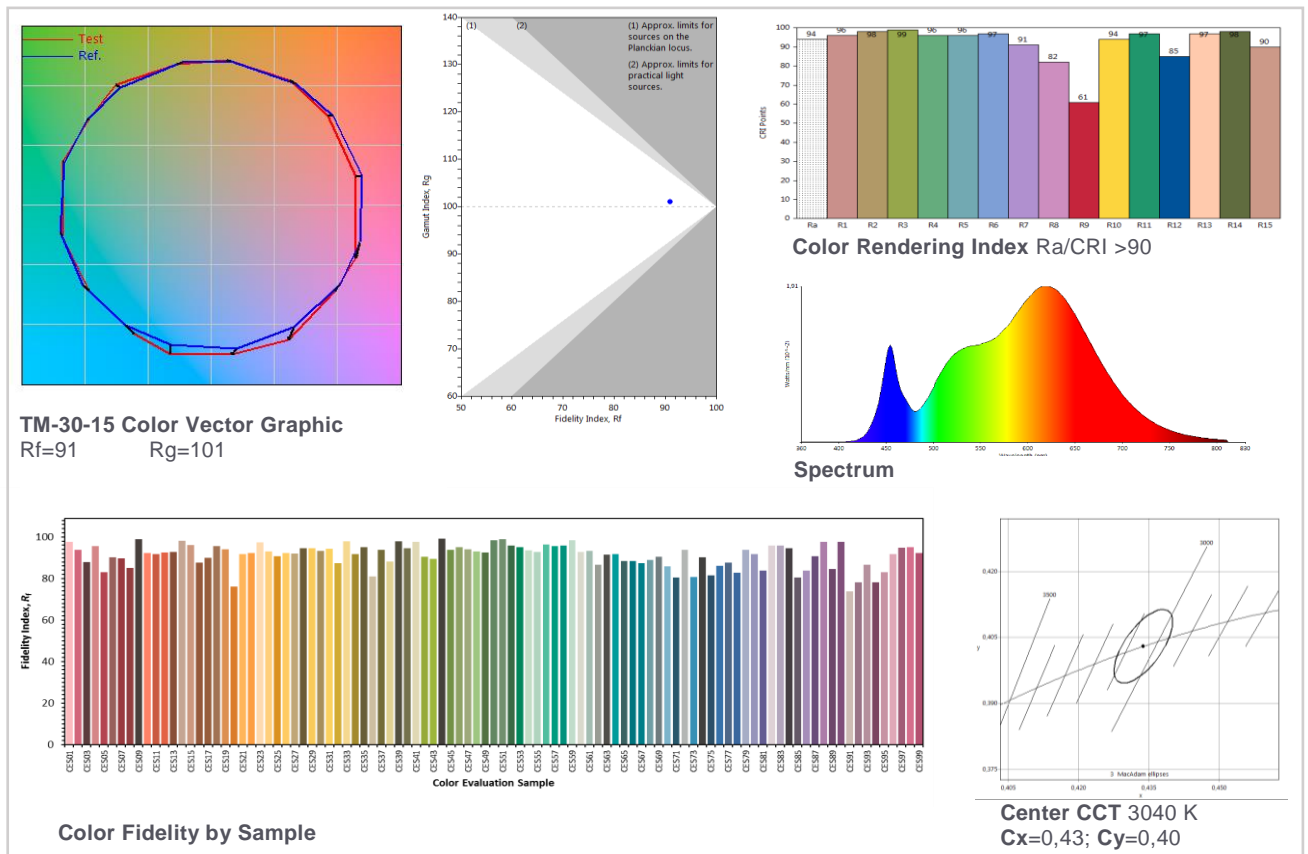
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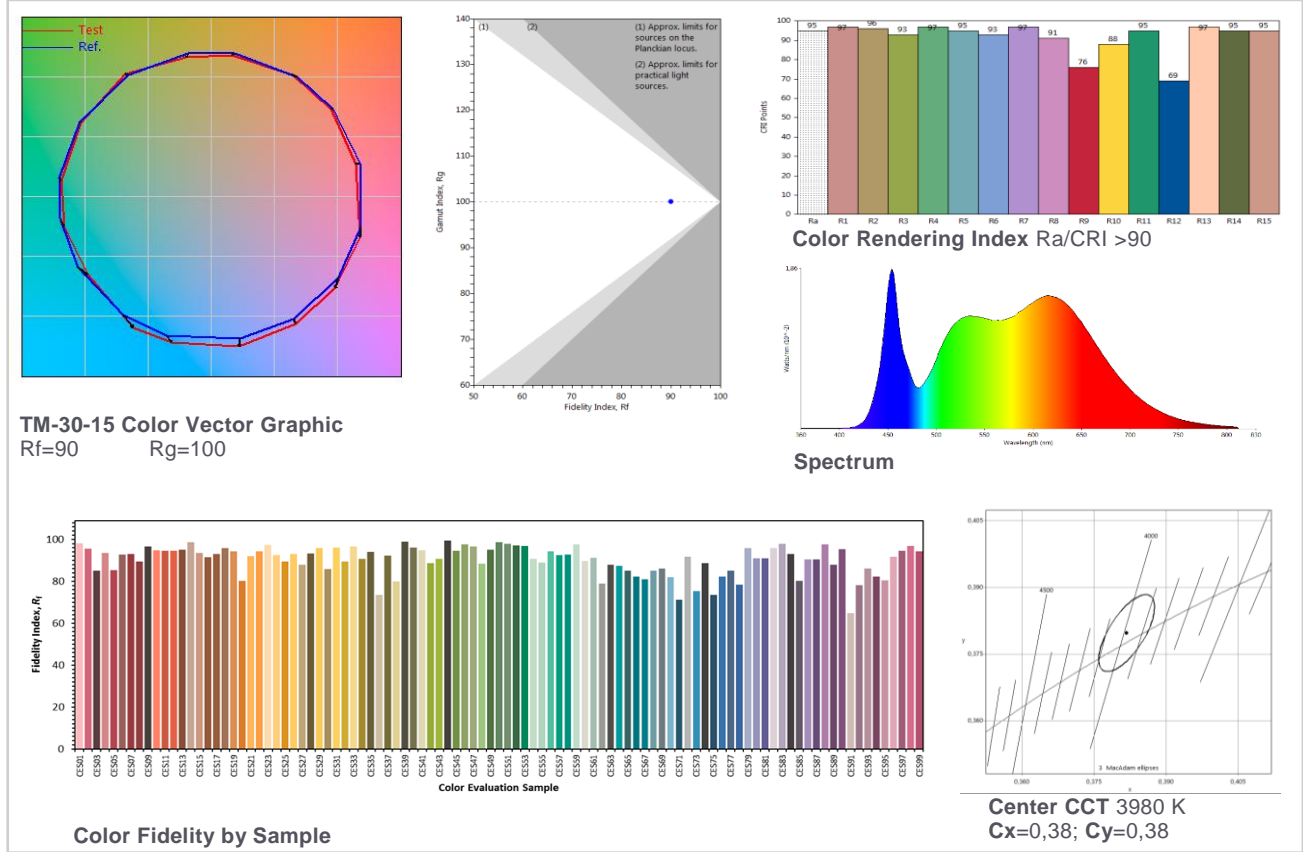
LFxx00-G3-927



LFxx00-G3-930

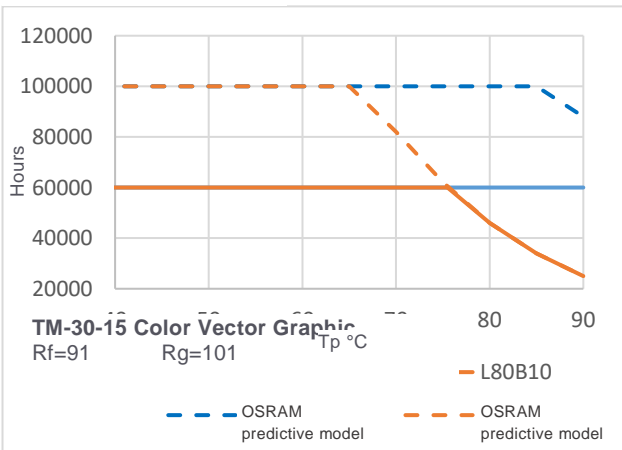


LFxx00-G3-940

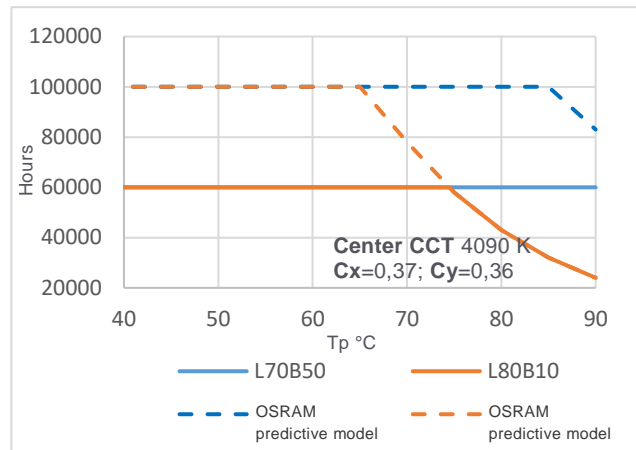


Lifetime

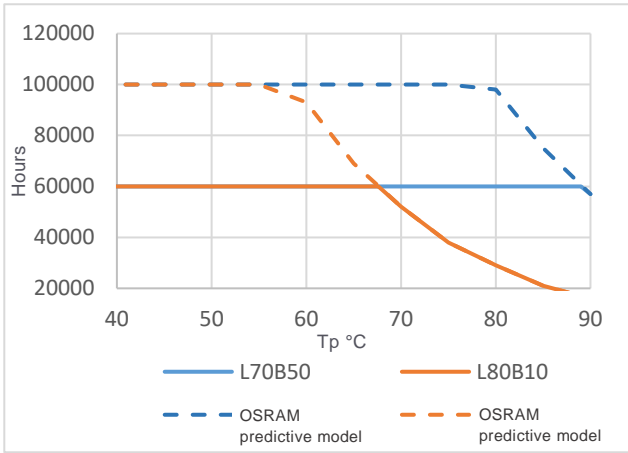
LF1200



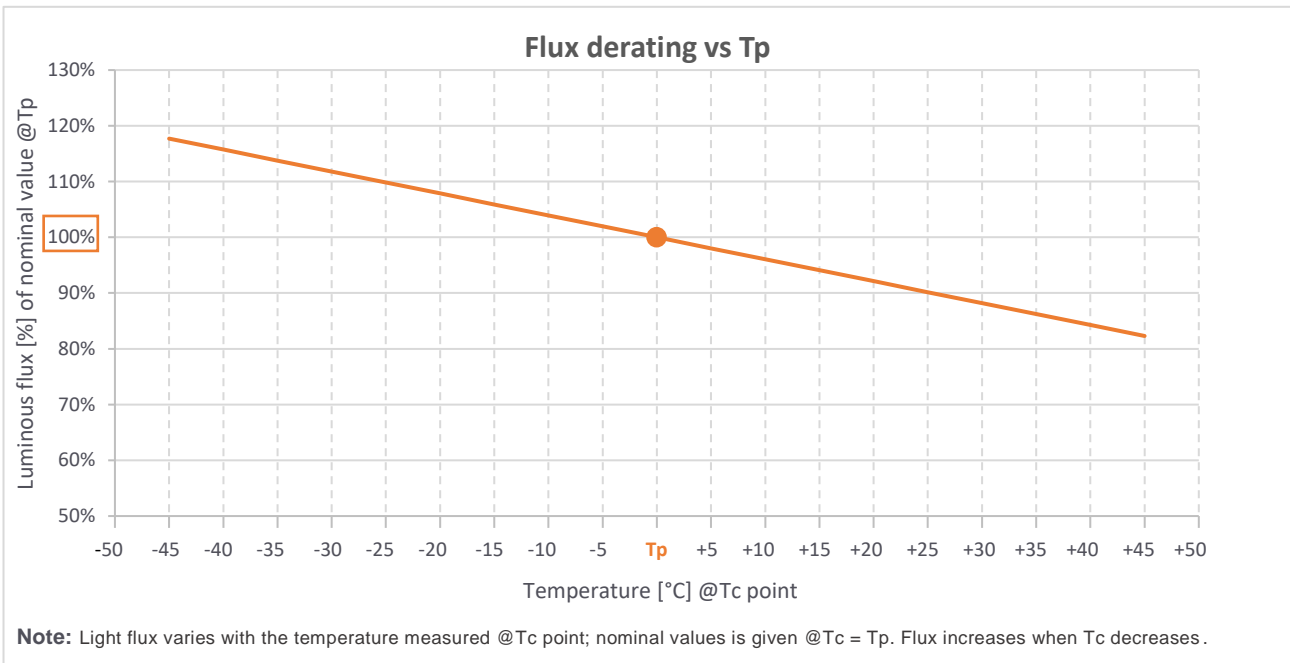
LF2000



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-G3-824-09 L2	4062172142571	9000 x 8 x 1.4 mm	1x Led strip
LF1200-G3-827-09 L2	4062172142595	9000 x 8 x 1.4 mm	1x Led strip
LF1200-G3-830-09 L2	4062172142618	9000 x 8 x 1.4 mm	1x Led strip
LF1200-G3-840-09 L2	4062172142632	9000 x 8 x 1.4 mm	1x Led strip
LF1200-G3-850-09 L2	4062172142656	9000 x 8 x 1.4 mm	1x Led strip
LF1200-G3-865-09 L2	4062172142670	9000 x 8 x 1.4 mm	1x Led strip
LF1200-G3-927-09 L2	4062172142694	9000 x 8 x 1.4 mm	1x Led strip
LF1200-G3-930-09 L2	4062172142717	9000 x 8 x 1.4 mm	1x Led strip
LF1200-G3-940-09 L2	4062172142731	9000 x 8 x 1.4 mm	1x Led strip
Product description	Product code	Dimensions (length x width x height)	EAN10 Package content
LF2000-G3-824-04 L1	4062172142816	4500 x 8 x 1.4 mm	1x Led strip

LF2000-G3-827-04 L1	4062172142830	4500 x 8 x 1.4 mm	1x Led strip
LF2000-G3-830-04 L1	4062172142854	4500 x 8 x 1.4 mm	1x Led strip
LF2000-G3-840-04 L1	4062172142878	4500 x 8 x 1.4 mm	1x Led strip
LF2000-G3-850-04 L1	4062172142892	4500 x 8 x 1.4 mm	1x Led strip
LF2000-G3-865-04 L1	4062172142915	4500 x 8 x 1.4 mm	1x Led strip
LF2000-G3-927-04 L1	4062172142939	4500 x 8 x 1.4 mm	1x Led strip
LF2000-G3-930-04 L1	4062172142953	4500 x 8 x 1.4 mm	1x Led strip
LF2000-G3-940-04 L1	4062172142977	4500 x 8 x 1.4 mm	1x Led strip
Product description	Product code	Dimensions (length x width x height)	EAN10 Package content
LF3000-G3-824-03 L1 V2	4062172263733	3000 x 8 x 1.4 mm	1x Led strip
LF3000-G3-827-03 L1 V2	4062172263757	3000 x 8 x 1.4 mm	1x Led strip
LF3000-G3-830-03 L1 V2	4062172263771	3000 x 8 x 1.4 mm	1x Led strip
LF3000-G3-840-03 L1 V2	4062172263795	3000 x 8 x 1.4 mm	1x Led strip
LF3000-G3-850-03 L1 V2	4062172263818	3000 x 8 x 1.4 mm	1x Led strip
LF3000-G3-865-03 L1 V2	4062172263832	3000 x 8 x 1.4 mm	1x Led strip
LF3000-G3-927-03 L1 V2	4062172263856	3000 x 8 x 1.4 mm	1x Led strip
LF3000-G3-930-03 L1 V2	4062172263870	3000 x 8 x 1.4 mm	1x Led strip
LF3000-G3-940-03 L1 V2	4062172263894	3000 x 8 x 1.4 mm	1x Led strip
Product description	Product code	Dimensions (length x width x height)	EAN10 Package content
LF4000-G3-827-03 L1	4062172143271	3000 x 8 x 1.4 mm	1x Led strip
LF4000-G3-830-03 L1	4062172143295	3000 x 8 x 1.4 mm	1x Led strip
LF4000-G3-840-03 L1	4062172143318	3000 x 8 x 1.4 mm	1x Led strip
LF4000-G3-850-03 L1	4062172143332	3000 x 8 x 1.4 mm	1x Led strip
LF4000-G3-865-03 L1	4062172143356	3000 x 8 x 1.4 mm	1x Led strip















Choose your accessories

	Product Type	Product description	Product code (EAN10)	EAN10 Package content	MOQ
New		2pin Connector 500mm cable	CONN-FLEX-2P-050 KIT 10PCS	4062172179591	10x Connectors 10
New		2pin Connector 2000mm cable	CONN-FLEX-2P-200 KIT 10PCS	4062172179614	10x Connectors 10
		Jumper	FX-SC08-G2-CT4PJ	4052899464858	25x Jumpers 25
New		Bridge 30 mm cable	CORNER-FLEX-4P-003 KIT 10PCS	4062172179638	10x Bridges 10
New		Bridge 150 mm cable	CORNER-FLEX-4P-015 KIT 10PCS	4062172179676	10x Bridges 10
		2pin Connector 500mm cable	FX-SC08-G2-CT2PF-0500	4052899464735	20x Connector 20
		2pin Connector 1000mm cable	FX-SC08-G2-CT2PF-1000	4052899464766	20x Connector 20
		Extension wire 30 mm cable	FX-SC08-G1-FW4P-LIN-0030	4008321875587	100x Extension wire 100
		Extension wire 150 mm cable	FX-SC08-G1-FW4P-LIN-0150	4008321875563	50x Extension wire 50
		Extension wire 300 mm cable	FX-SC08-G1-FW4P-LIN-0300	4052899469259	50x Extension wire 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	LTS-2000	4062172207300	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	LTS-2000	4062172207300	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 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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