

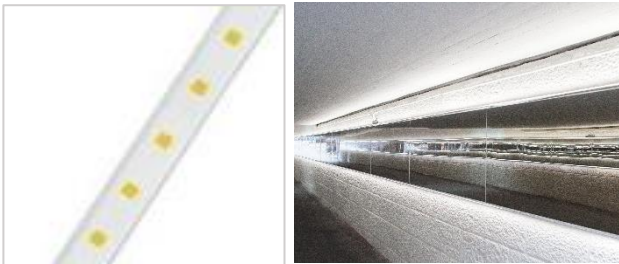
Light is OSRAM

OSRAM

LINEARlight FLEX Protect Power & Shop White

High luminous flux IP67 LED strips

LFP800/1200/2000/3000 & LFP1200/2000/3000 SW



Features & Benefits

- High luminous flux up to 3000 lm/m
- IP67 protection
- Color uniformity ≤ 2 SDCM*
- Lifetime up to 60.000 h L80B10 at T_p
- CRI 90 and 80 options
- Internal constant current regulator
- LM80 & LM79 compliant
- High light quality and large selection of light color temperatures
- High-performance silicone for extremely long life and flexibility
- Dimmable by PWM technology & DALI
- Toolless connection with the optional CONNECTsystem
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- Outdoor use possible: UV and salt mist resistant
- Reel-to-Reel Technology
- Made in Italy

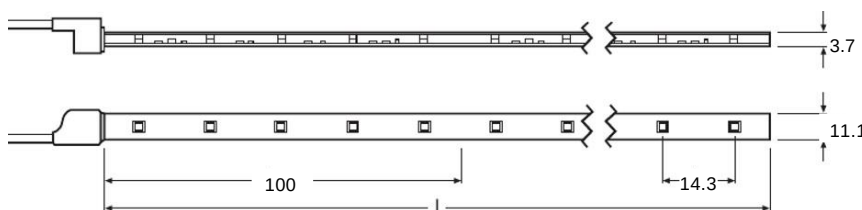
Application areas

Architectural lighting, Façade accent lighting, Cove lighting, Path lighting, Outdoor lighting

Standards

CE, UL, ENEC, EAC, VDE

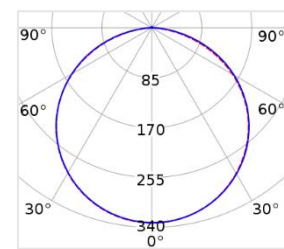
Technical data



	LFP800	LFP1200	LFP2000	LFP3000
l mm	9000	9000	4500	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 @ T _c point	-20...+70 °C
Storage Temperature	-40...+80 °C
Ambient Temperature with profile **	-20...+50 °C



C0-C180
C90-C270

Beam Angle 120°

Technical data

POWER LFP800	 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
LFP800-G3-824-09	 2400 K	>80	800	7.6	104	40	9
LFP800-G3-827-09	 2700 K	>80	800	7.1	108	40	9

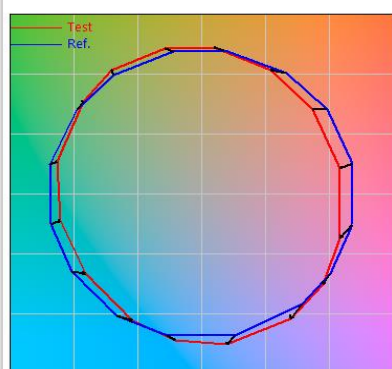
POWER LFP1200	 Nominal CCT See color output data	CRI	Luminous Flux per meter lm/m	Power W/m	Luminous Efficacy lm/W	Performance Temp. Tp °C	Length m
LFP1200-G3-824-09	 2400 K	>80	1100	10.6	104	45	9
LFP1200-G3-827-09	 2700 K	>80	1150	10.6	108	45	9
LFP1200-G3-830-09	 3000 K	>80	1200	10.6	113	45	9
LFP1200-G3-840-09	 4000 K	>80	1200	8.9	135	40	9
LFP1200-G3-860-09	 6000 K	>80	1100	8.1	135	40	9
LFP1200-G3-930-09	 3500 K	>90	1100	10.6	104	45	9
LFP1200-G3-940-09	 4000 K	>90	1200	10.6	113	45	9
LFP1200-G3-960-09	 6000 K	>90	1200	10.0	120	45	9
LFP1200-G3-SW40-09	 4300 K	>80	1200	10.6	104	45	9

POWER LFP2000	 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
LFP2000-G3-824-04	 2400 K	>80	1800	17.9	101	55	4.5
LFP2000-G3-827-04	 2700 K	>80	1900	17.9	106	55	4.5
LFP2000-G3-830-04	 3000 K	>80	1900	17.9	106	55	4.5
LFP2000-G3-840-04	 4000 K	>80	1900	15.0	127	50	4.5
LFP2000-G3-860-04	 6000 K	>80	1800	13.6	132	50	4.5
LFP2000-G3-930-04	 3500 K	>90	1800	17.9	101	55	4.5
LFP2000-G3-940-04	 4000 K	>90	1900	17.9	106	55	4.5
LFP2000-G3-960-04	 6000 K	>90	1900	16.3	117	55	4.5
LFP2000-G3-SW40-04	 4300 K	>80	1900	17.9	106	55	4.5

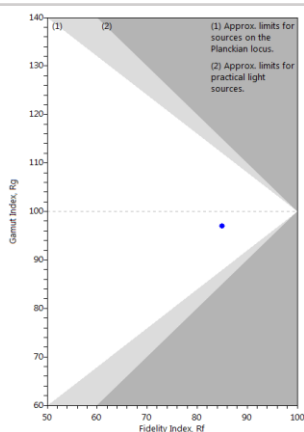
POWER LFP3000	 Nominal CCT See color output data	CRI	Luminous Flux per meter lm/m	Power W/m	Luminous Efficacy lm/W	Performance Temp. Tp °C	Length m
LFP3000-G3-824-03	 2400 K	>80	2800	28.9	97	60	3
LFP3000-G3-827-03	 2700 K	>80	3000	28.9	104	60	3
LFP3000-G3-830-03	 3000 K	>80	3000	28.9	104	60	3
LFP3000-G3-840-03	 4000 K	>80	3000	23.7	127	55	3
LFP3000-G3-860-03	 6000 K	>80	2800	21.9	128	55	3
LFP3000-G3-930-03	 3500 K	>90	2850	28.9	99	60	3
LFP3000-G3-940-03	 4000 K	>90	3000	28.9	104	60	3
LFP3000-G3-960-03	 6000 K	>90	3000	26.5	113	60	3
LFP3000-G3-SW40-03	 4300 K	>80	3000	27.6	109	60	3

Color output data

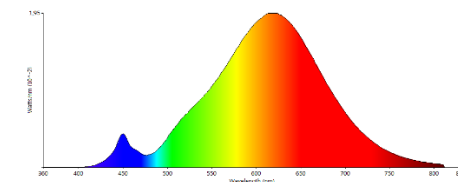
LFPxx00-G3-824



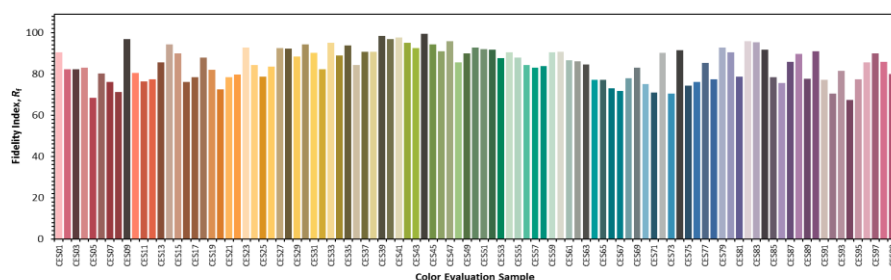
TM-30-15 Color Vector Graphic
Rf=85 Rg=97



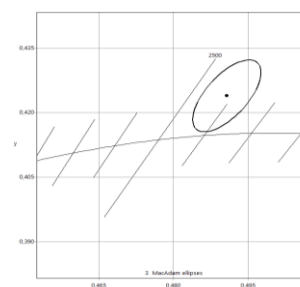
Color Rendering Index Ra/CRI >80



Spectrum

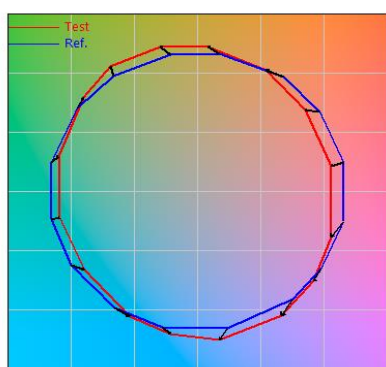


Color Fidelity by Sample

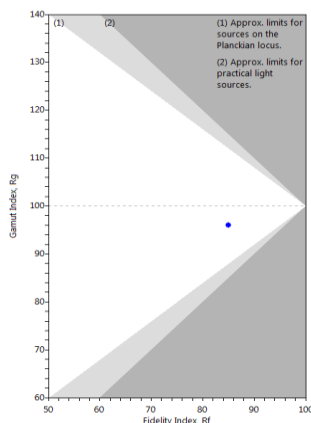


Center CCT 2410 K
Cx=0,49 ; Cy=0,42

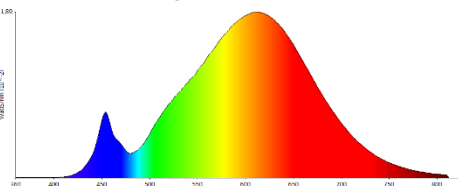
LFPxx00-G3-827



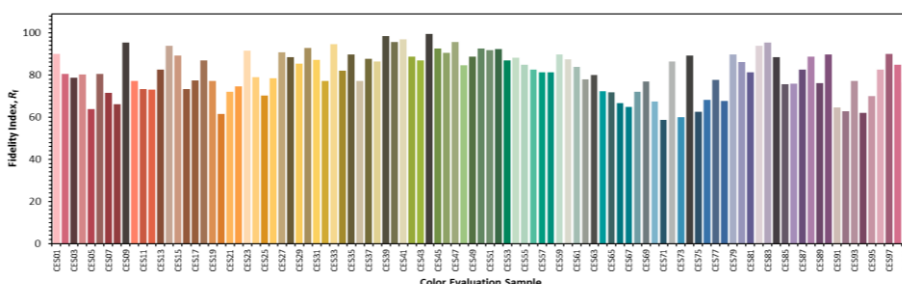
TM-30-15 Color Vector Graphic
Rf=85 Rg=96



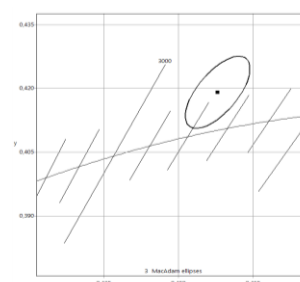
Color Rendering Index Ra/CRI >80



Spectrum

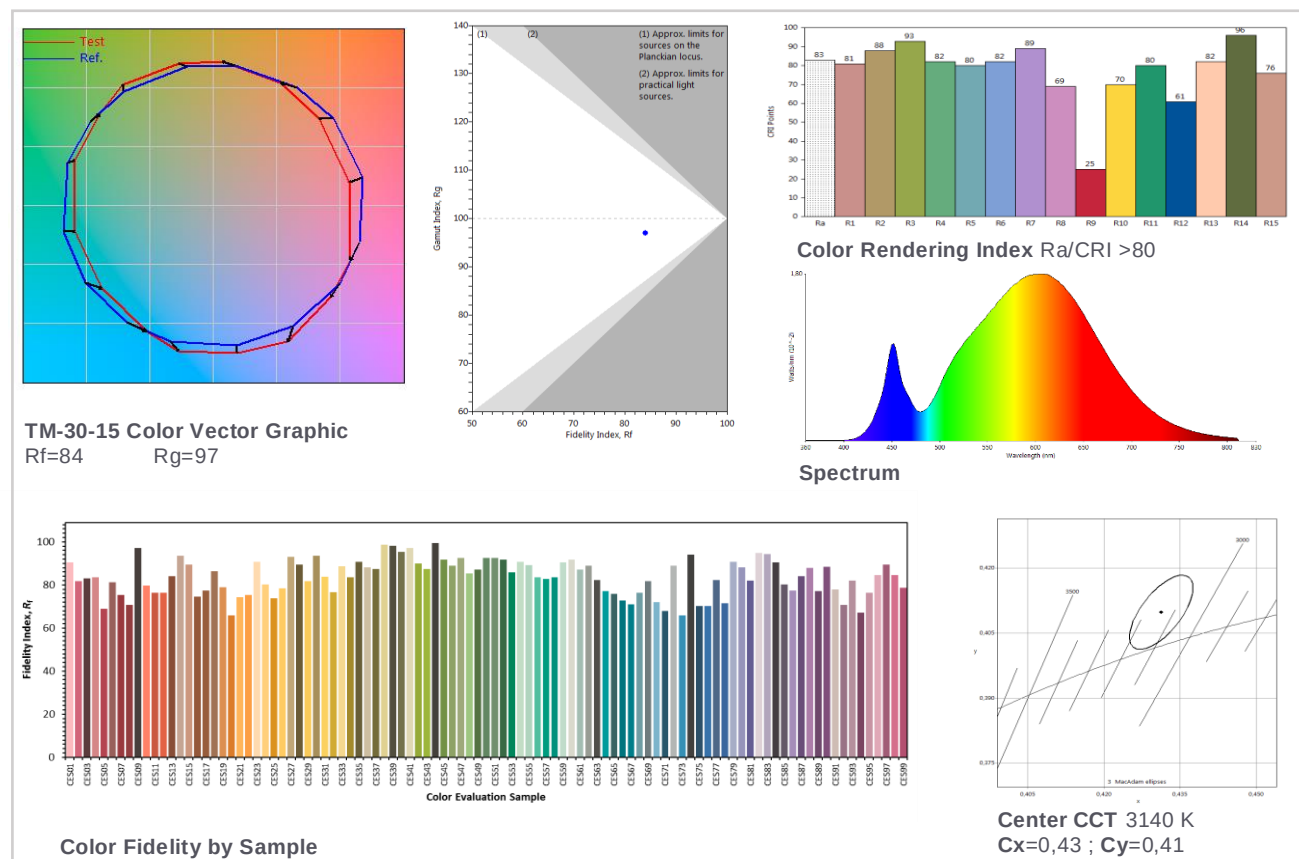


Color Fidelity by Sample

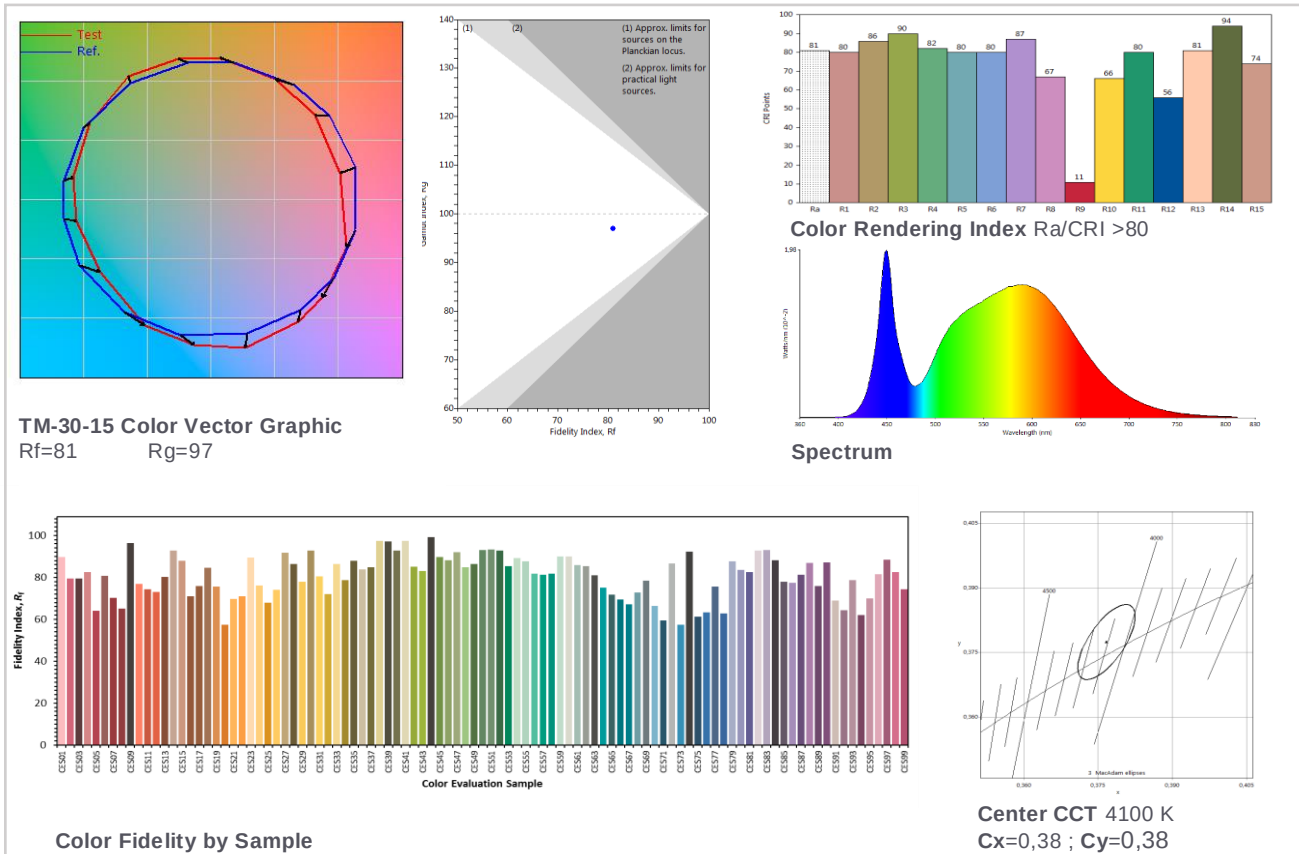


Center CCT 2790 K
Cx=0,46 ; Cy=0,42

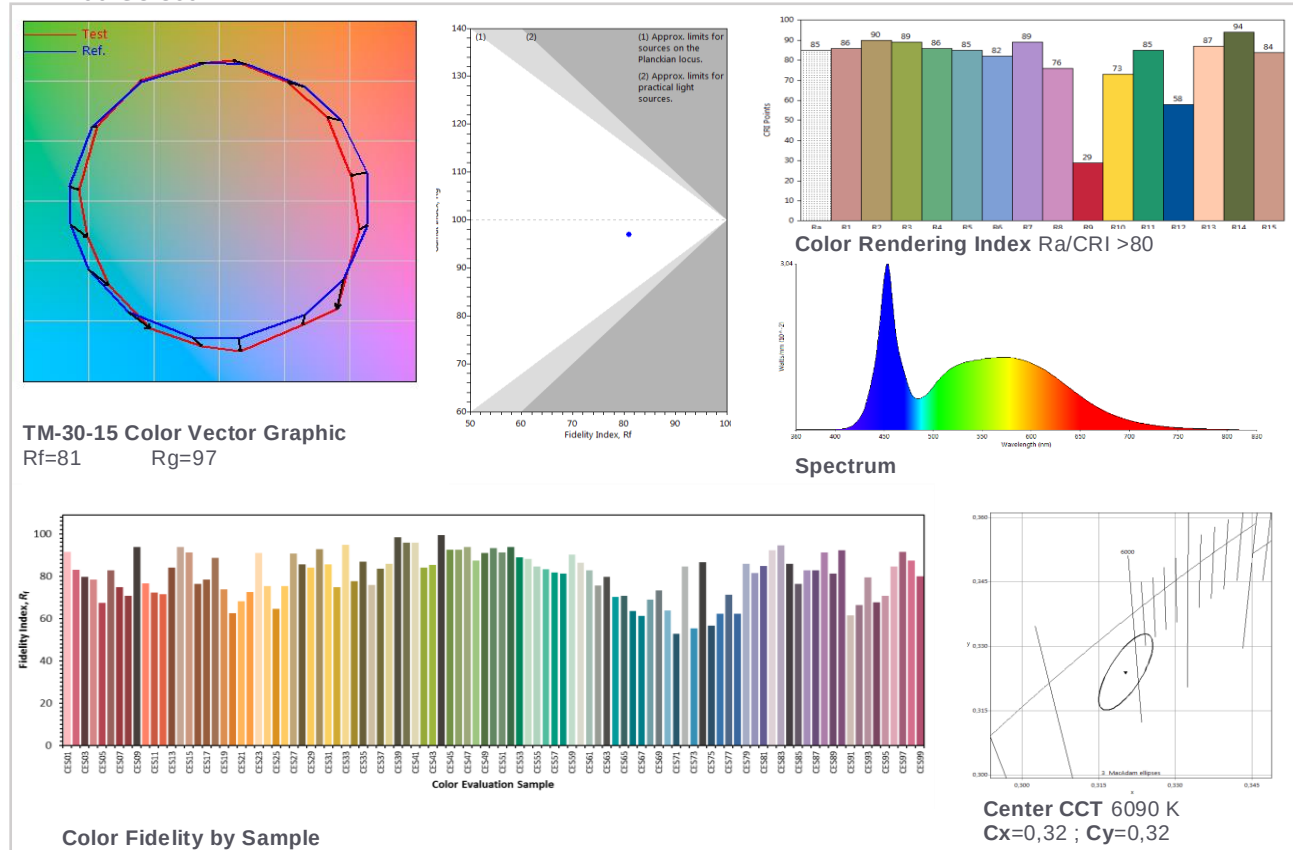
LFPxx00-G3-830



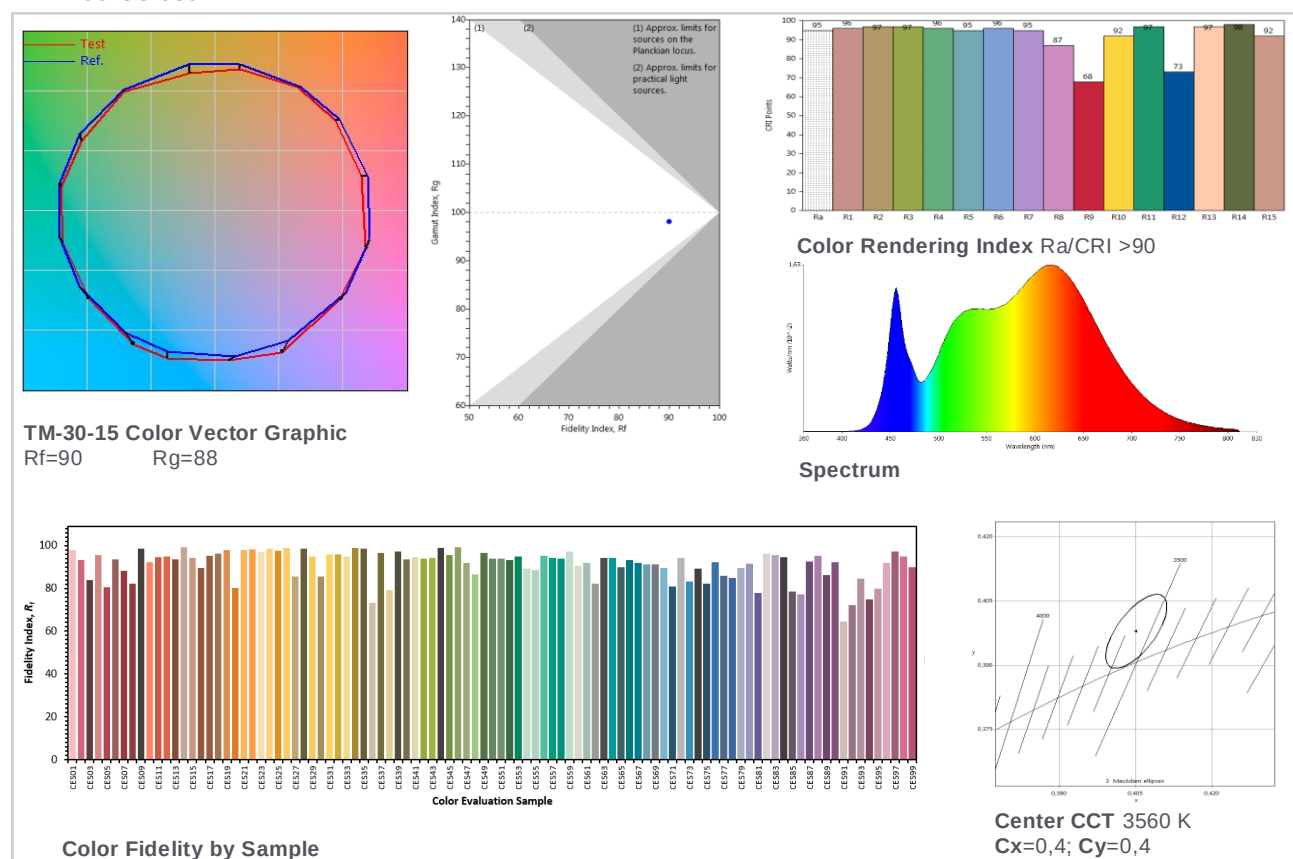
LFPxx00-G3-840



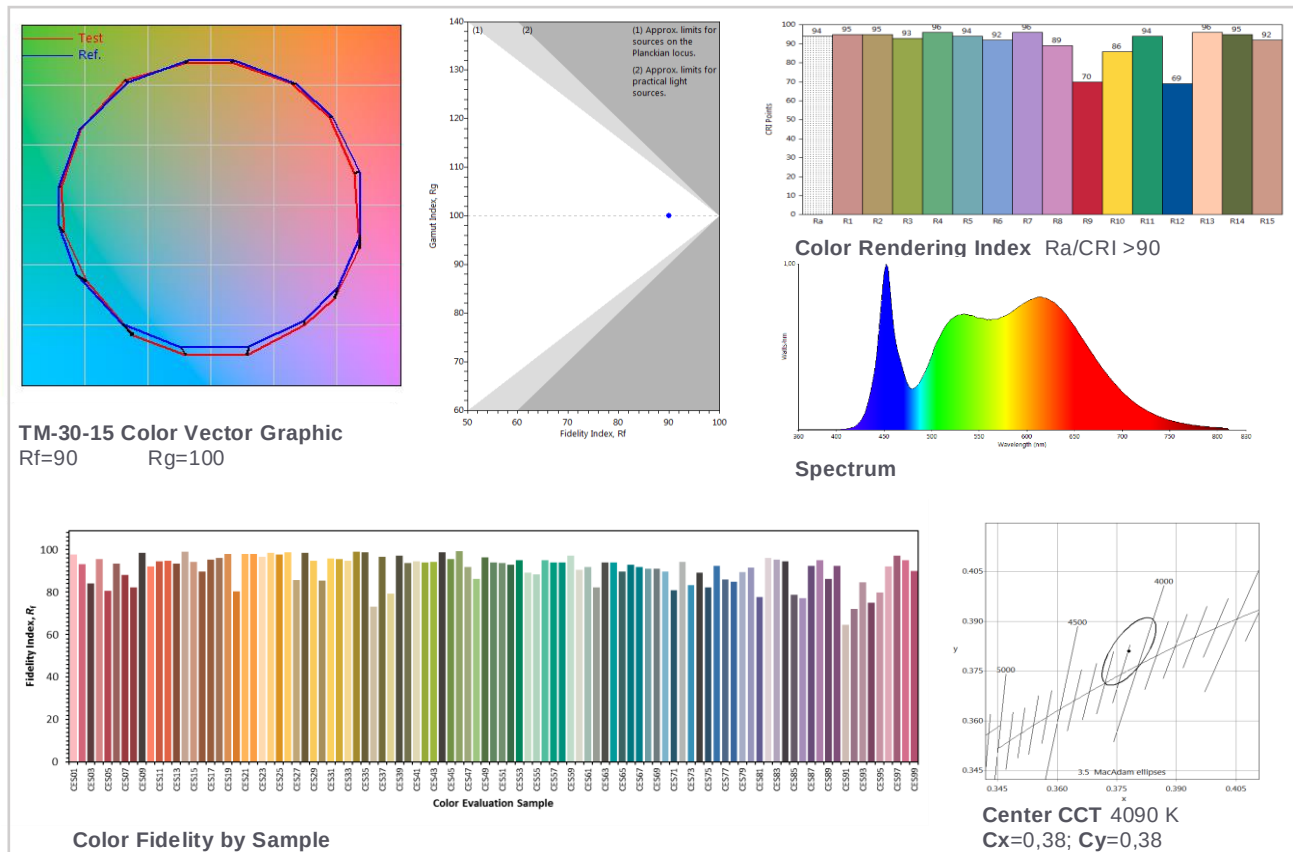
LFPxx00-G3-860



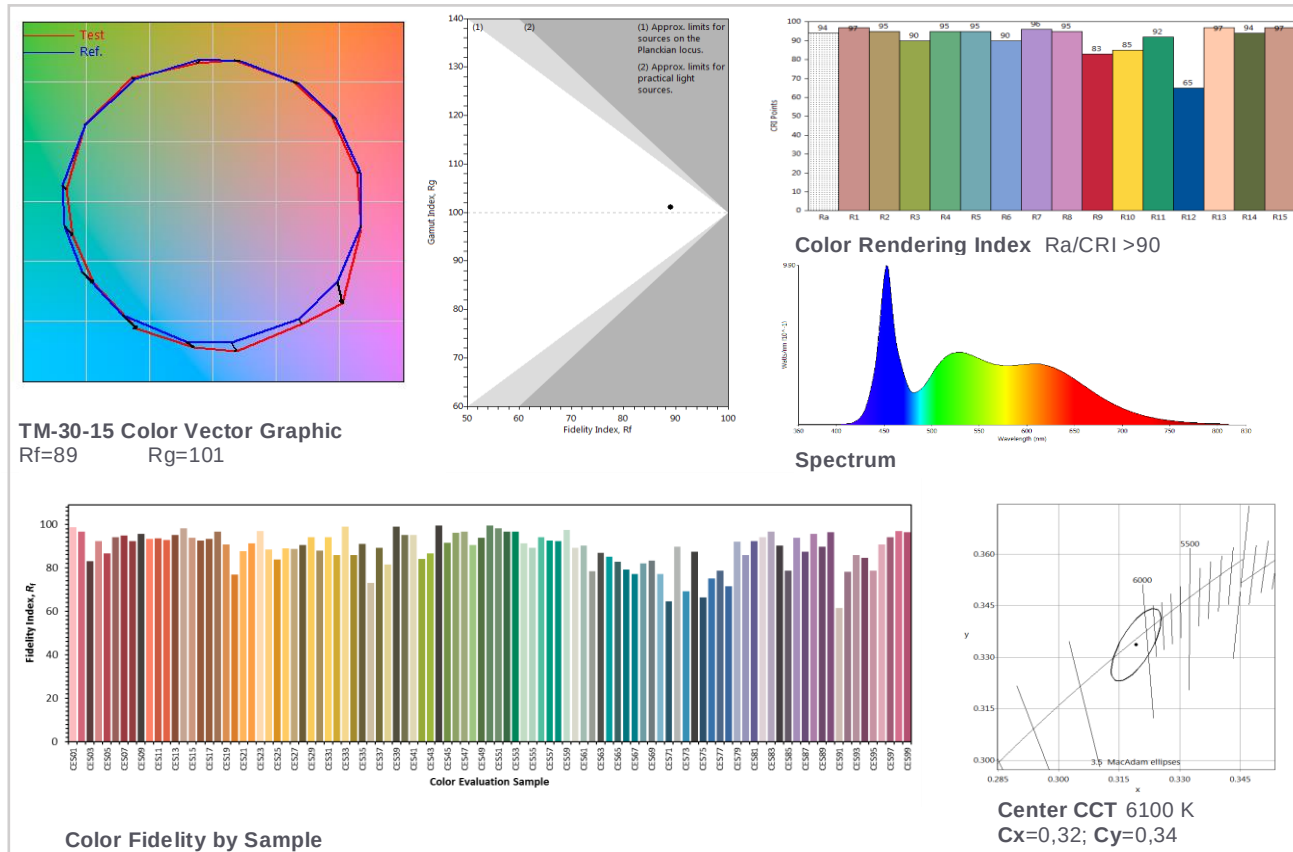
LFPxx00-G3-930



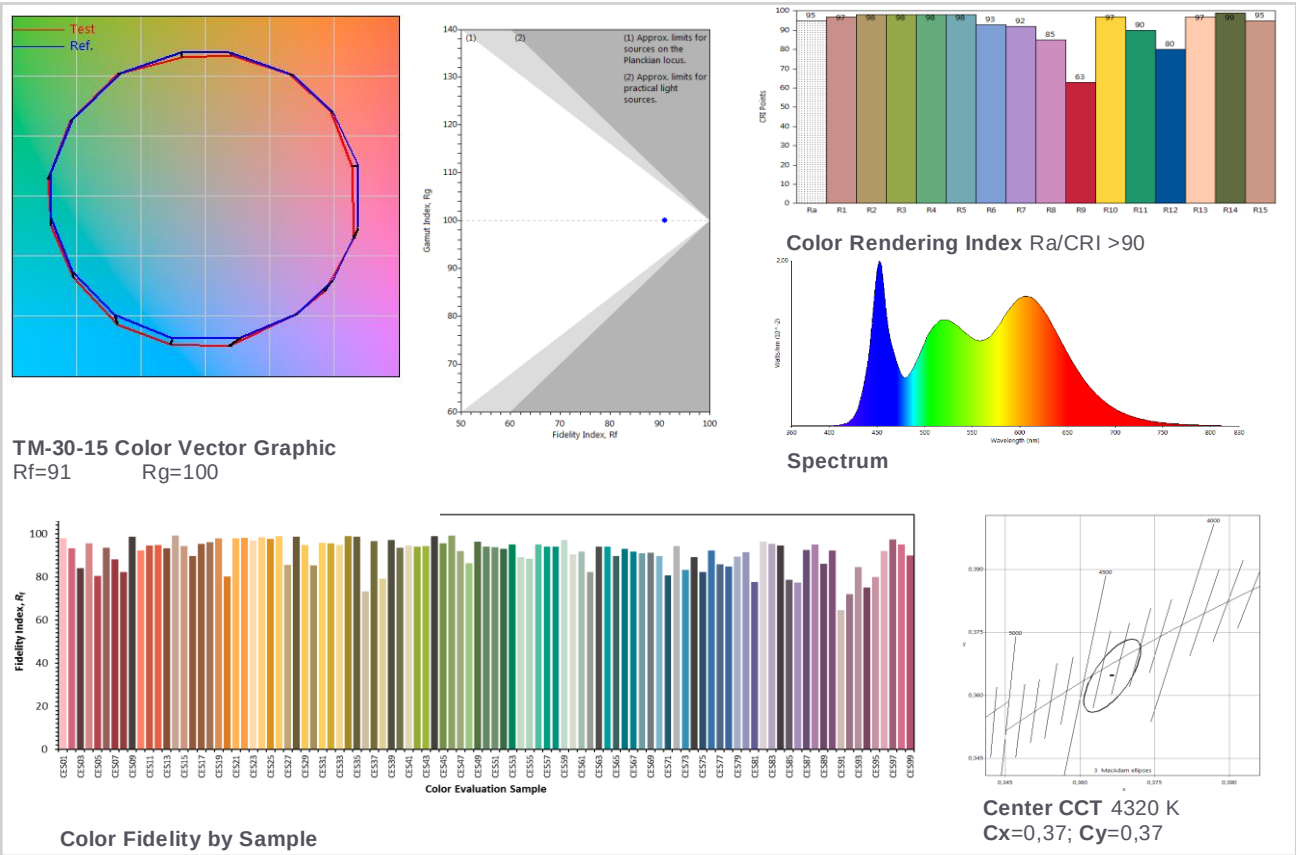
LFPxx00-G3-940



LFPxx00-G3-960

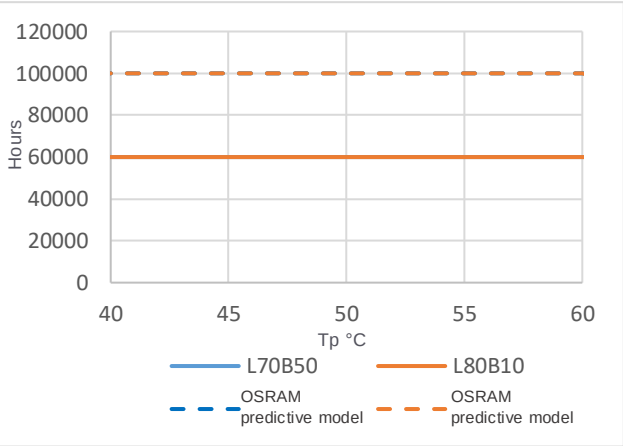


LFPxx00-G3-SW40

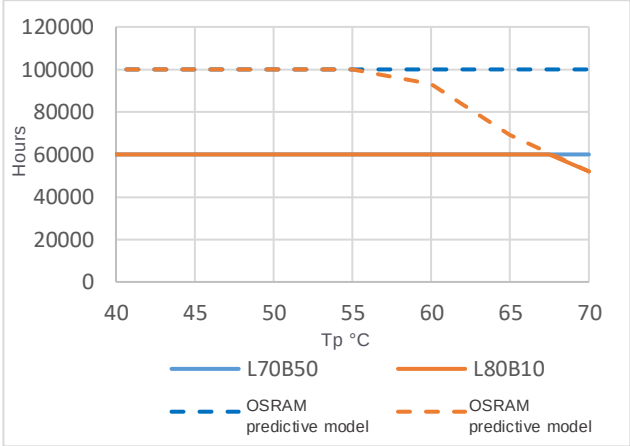


Lifetime

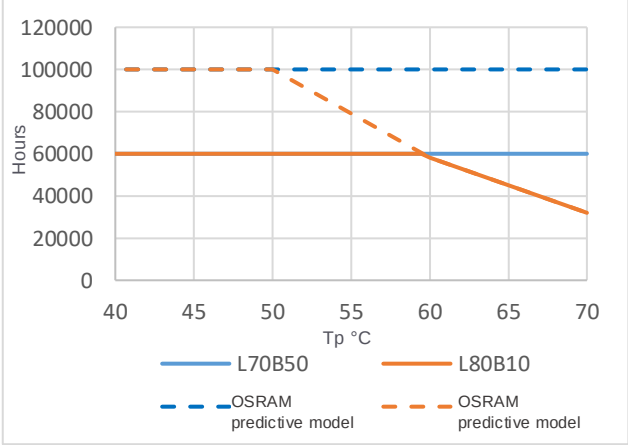
LFP800



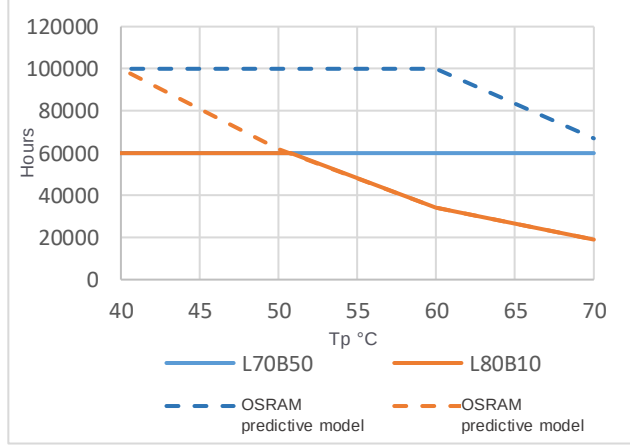
LFP1200



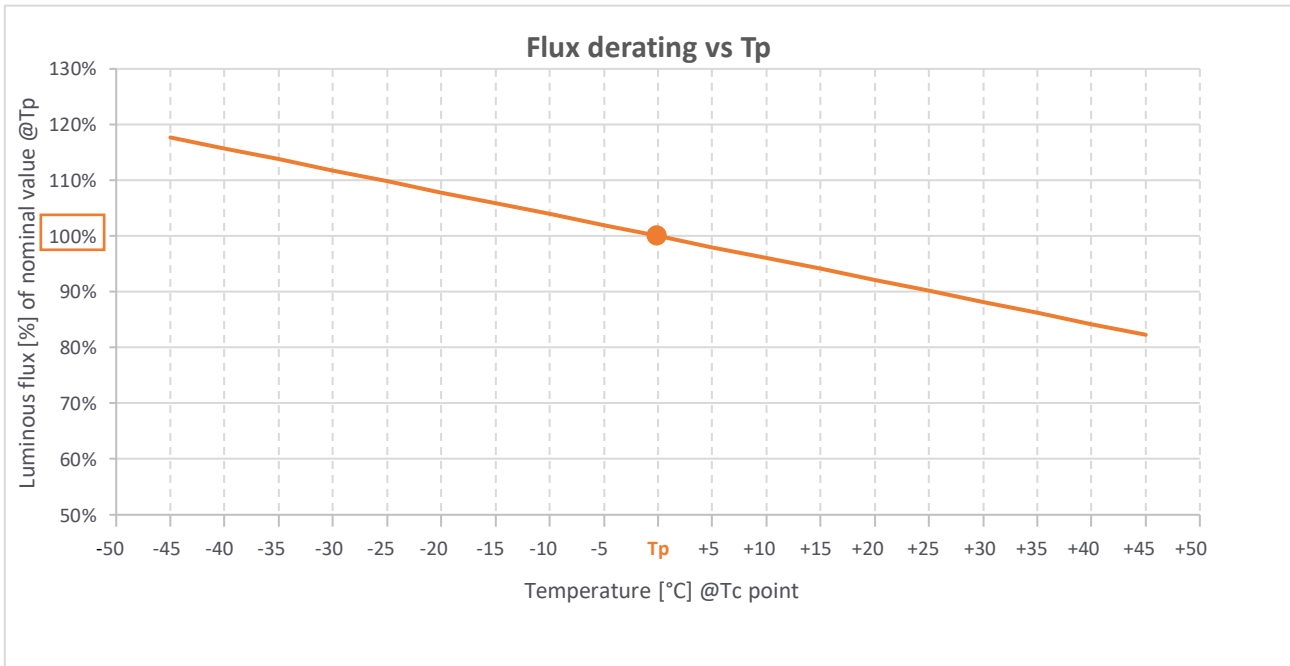
LFP2000



LFP3000



Luminous Flux maintenance according to Tp value



Order Code

Product description	Product code	Dimensions (length x width x height)	EAN10 Package content
LFP800-G3-824-09	4052899481565	9000 x 11 X 3.7 mm	1x Led strip 1x connector already installed
LFP800-G3-827-09	4052899481589	9000 x 11 X 3.7 mm	1x Led strip 1x connector already installed

Product description	Product code	Dimensions (length x width x height)	EAN10 Package content
LFP1200-G3-824-09	4052899481640	9000 x 11 X 3.7 mm	1x Led strip 1x connector already installed
LFP1200-G3-827-09	4052899481626	9000 x 11 X 3.7 mm	1x Led strip 1x connector already installed
LFP1200-G3-830-09	4052899481664	9000 x 11 X 3.7 mm	1x Led strip 1x connector already installed
LFP1200-G3-840-09	4052899481688	9000 x 11 X 3.7 mm	1x Led strip 1x connector already installed
LFP1200-G3-860-09	4052899481701	9000 x 11 X 3.7 mm	1x Led strip 1x connector already installed
LFP1200-G3-930-09	4052899481725	9000 x 11 X 3.7 mm	1x Led strip 1x connector already installed
LFP1200-G3-940-09	4052899481749	9000 x 11 X 3.7 mm	1x Led strip 1x connector already installed
LFP1200-G3-960-09	4052899481763	9000 x 11 X 3.7 mm	1x Led strip 1x connector already installed
LFP1200-G3-SW40	4052899501935	9000 x 11 X 3.7 mm	1x Led strip 1x connector already installed

Product description	Product code	Dimensions (length x width x height)	EAN10 Package content
LFP2000-G3-824-04	4052899481138	4500 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP2000-G3-827-04	4052899481152	4500 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP2000-G3-830-04	4052899481176	4500 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP2000-G3-840-04	4052899481190	4500 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP2000-G3-860-04	4052899481213	4500 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP2000-G3-930-04	4052899481237	4500 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP2000-G3-940-04	4052899481251	4500 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP2000-G3-960-04	4052899481275	4500 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP2000-G3-SW40	4052899501911	4500 x 11 x 3.7 mm	1x Led strip 1x connector already installed

Product description	Product code	Dimensions (length x width x height)	EAN10 Package content
LFP3000-G3-824-03	4052899481299	3000 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP3000-G3-827-03	4052899481312	3000 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP3000-G3-830-03	4052899481336	3000 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP3000-G3-840-03	4052899481350	3000 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP3000-G3-860-03	4052899481374	3000 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP3000-G3-930-03	4052899481398	3000 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP3000-G3-940-03	4052899481411	3000 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP3000-G3-960-03	4052899481435	3000 x 11 x 3.7 mm	1x Led strip 1x connector already installed
LFP3000-G3-SW40	4052899501898	3000 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	4062172016360	10x endcap, 1x glue
 Connector IP67	LF-2PIN IP67 LP	4062172016414	5x connector, 5x endcap, 1x glue
 Jumper IP67	LF-2CONN IP67 LP	4062172016384	5x jumper

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 IP67 in case of surface mounting. In this condition the expected Tc of LED strip is the maximum allowed.

THERMAL MEASUREMENTS FOR SURFACE MOUNTING							
				LFP800	LFP1200	LFP2000	LFP3000
Track Type		Product description	Product code (EAN)	Ambient Temperature °C			
	Slim Track	LF-LTS-2100	4008321978981	50	50	40	27
	Slim Track	FX-QMS-G1-TU15H6-300	4052899448865	50	50	40	-
	Slim Track	FX-QMS-G1-TU15H6W3-300	4052899448889	50	50	40	-
	Slim Track	FX-QMS-G1-TU16H12-300	4052899448964	50	50	40	27
	Slim Track	FX-QMS-G1-TU16H12W3-300	4052899448988	50	50	40	27
	Slim Track	FX-QMS-G1-TR19H16-300	4052899449008	50	50	40	27
	Slim Track	FX-QMS-G1-TU16H12LS-300	4052899449046	50	50	40	27
	Slim Track	FX-QMS-G1-T45D19H19-300	4052899448667	50	50	40	-
	Wide Track	FX-QMW-G1-TK30D46H27-300	4052899448827	50	50	40	30
	Wide Track	FX-QMW-G1-TU26H8-300	4052899448643	50	50	40	27
	Wide Track	FX-QMW-G1-TU26H25W10-300	4052899448773	50	50	40	30
	Wide Track	FX-QMW-G1-TU26H25W2-300	4052899448841	50	50	40	30
	Wide Track	FX-QMW-G1-TU26H25-300	4052899448803	50	50	40	30

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

The table reports the maximum recommended ambient temperature for each listed track in combination with LF POWER IP67 in case of recessed mounting. In this condition the expected Tc of LED strip is the maximum allowed.

THERMAL MEASUREMENTS FOR RECESSED MOUNTING							
				LFP800	LFP1200	LFP2000	LFP3000
Track Type	Product description		Product code (EAN)	Ambient Temperature °C			
	Slim Track	LF-LTS-2100	4008321978981	50	50	35	-
	Slim Track	FX-QMS-G1-TU15H6-300	4052899448865	50	50	35	-
	Slim Track	FX-QMS-G1-TU15H6W3-300	4052899448889	50	50	35	-
	Slim Track	FX-QMS-G1-TU16H12-300	4052899448964	50	50	35	-
	Slim Track	FX-QMS-G1-TU16H12W3-300	4052899448988	50	50	35	-
	Slim Track	FX-QMS-G1-TR19H16-300	4052899449008	50	50	35	-
	Slim Track	FX-QMS-G1-TU16H12LS-300	4052899449046	50	50	35	-
	Slim Track	FX-QMS-G1-T45D19H19-300	4052899448667	50	50	35	-
	Wide Track	FX-QMW-G1-TK30D46H27-300	4052899448827	50	50	40	30
	Wide Track	FX-QMW-G1-TU26H8-300	4052899448643	50	50	35	-
	Wide Track	FX-QMW-G1-TU26H25W10-300	4052899448773	50	50	35	25
	Wide Track	FX-QMW-G1-TU26H25W2-300	4052899448841	50	50	35	25
	Wide Track	FX-QMW-G1-TU26H25-300	4052899448803	50	50	35	25

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.

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OSRAM