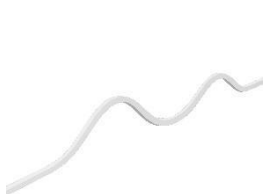


inventronics

LINEARlight FLEX® DIFFUSE G2 Top

Homogeneous and uniform dot free light lines

LFD400T/800T/1300T



Features & Benefits

- Diffuse light lines without visible spots
- Luminous flux up to 1550 lm/mLP67 protection with high performance silicone
- CRI 80+ and 90+ versions
- Color uniformity ≤ 3 SDCM
- Lifetime up to 60.000 hours L90B10 at Tp (LFD400T)
- Lifetime up to 60.000 hours L70B50 at Tp (LFD1300T)
- Large selection of light color temperatures
- Extraordinary design and high-quality materials
- Flexibility and cuttability to support design freedom
- Easy mounting thanks to extra-strong self-adhesive backside
- Dimmable by OPTOTRONIC® LED drivers
- Suitable for outdoor use: UV and salt mist resistant
- Made in Italy

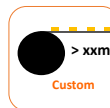
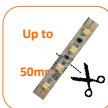
Application areas

Architectural integration, Façade lighting, Cove lighting, Outdoor applications

Standards

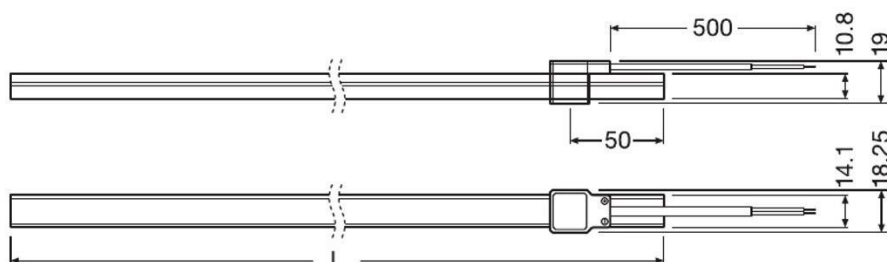
CE, UKCA, ENEC

Photometric data acc. to: LM-80 and TM-21, LM-79, EN13032-4, CIE S 025, IES TM-30-15



Technical drawings

LFD400 / LFD800 / LFD1300 TOP

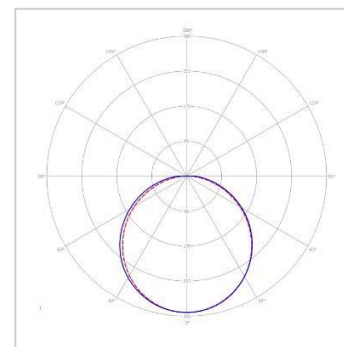


Min. bending radius = 100 mm
All dimensions in: mm

Max. operable length = product length

L: 10m for LFD400T
6m for LFD800T
4m for LFD1300T

Operating voltage	24.0 V (23.0 ... 25.0 V)
Accidental reverse voltage protection up to	25.0 V
Product length up to	10000 mm
Lifetime L80B10 @ Tp	60.000 h
Temperature range in operation @ Tc point	-30...+75 °C
Ambient Temperature with profile **	-30...+50 °C
Storage Temperature	-30...+75 °C



Beam Angle 120°

Technical data

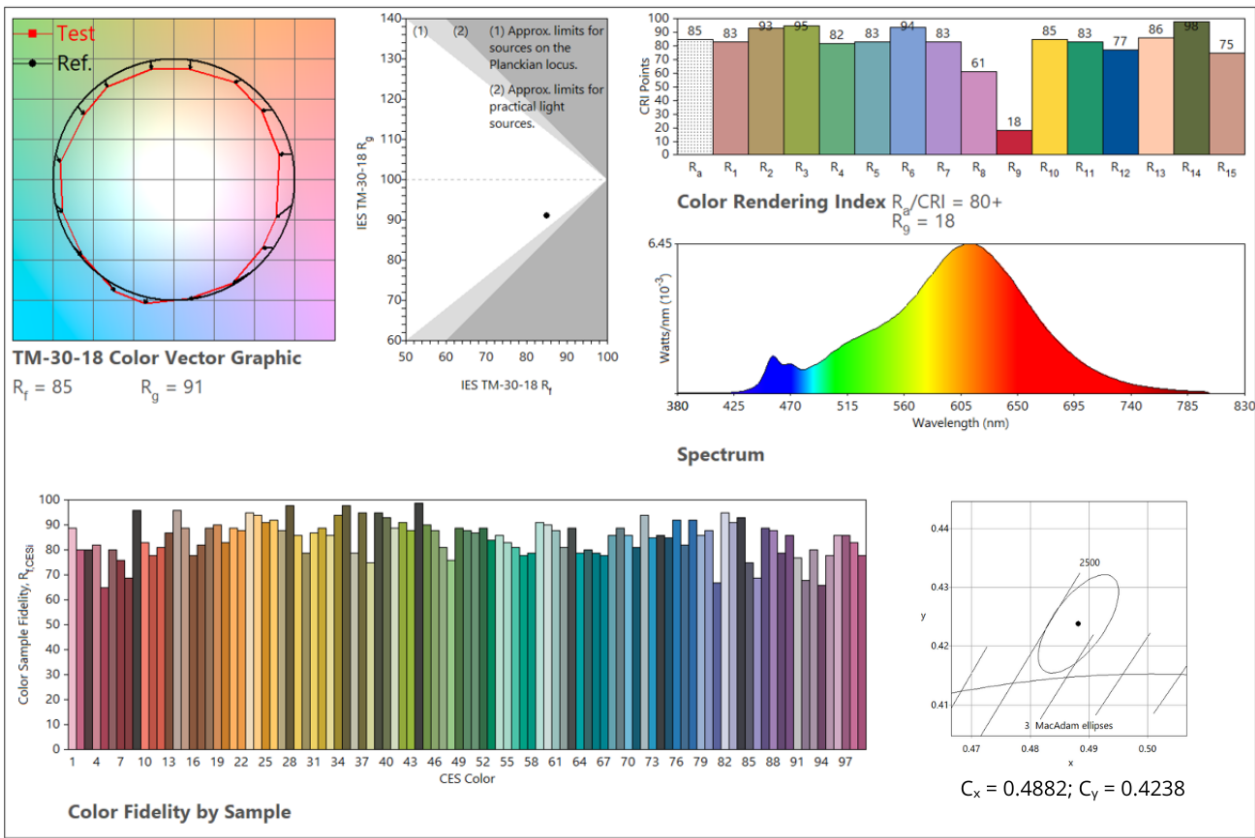
LFD400T White	Nominal CCT See color output data	CRI	Luminous Flux per meter lm/m	Power W/m	Luminous Efficacy lm/W	Performance Temp. Tp °C	Length m
LFD400T-G2-824-10	● 2400 K	>80	520	7.3	71	35	10
LFD400T-G2-827-10	● 2700 K	>80	560	7.3	77	35	10
LFD400T-G2-830-10	● 3000 K	>80	600	7.3	82	35	10
LFD400T-G2-840-10	● 4000 K	>80	600	7.3	82	35	10
LFD400T-G2-924-10	● 2400 K	>90	460	7.3	63	35	10
LFD400T-G2-927-10	● 2700 K	>90	480	7.3	66	35	10
LFD400T-G2-930-10	● 3000 K	>90	510	7.3	70	35	10
LFD400T-G2-940-10	● 4000 K	>90	510	7.3	70	35	10

LFD800T White	Nominal CCT See color output data	CRI	Luminous Flux lm/m	Power W/m	Luminous Efficacy lm/W	Performance Temp. Tp °C	Length m
LFD800T-G2-824-06	● 2400 K	>80	950	13.5	70	50	6
LFD800T-G2-827-06	● 2700 K	>80	1000	13.5	74	50	6
LFD800T-G2-830-06	● 3000 K	>80	1050	13.5	78	50	6
LFD800T-G2-840-06	● 4000 K	>80	1050	13.5	78	50	6
LFD800T-G2-924-06	● 2400 K	>90	800	13.5	59	50	6
LFD800T-G2-927-06	● 2700 K	>90	870	13.5	64	50	6
LFD800T-G2-930-06	● 3000 K	>90	870	13.5	64	50	6
LFD800T-G2-940-06	● 4000 K	>90	910	13.5	67	50	6

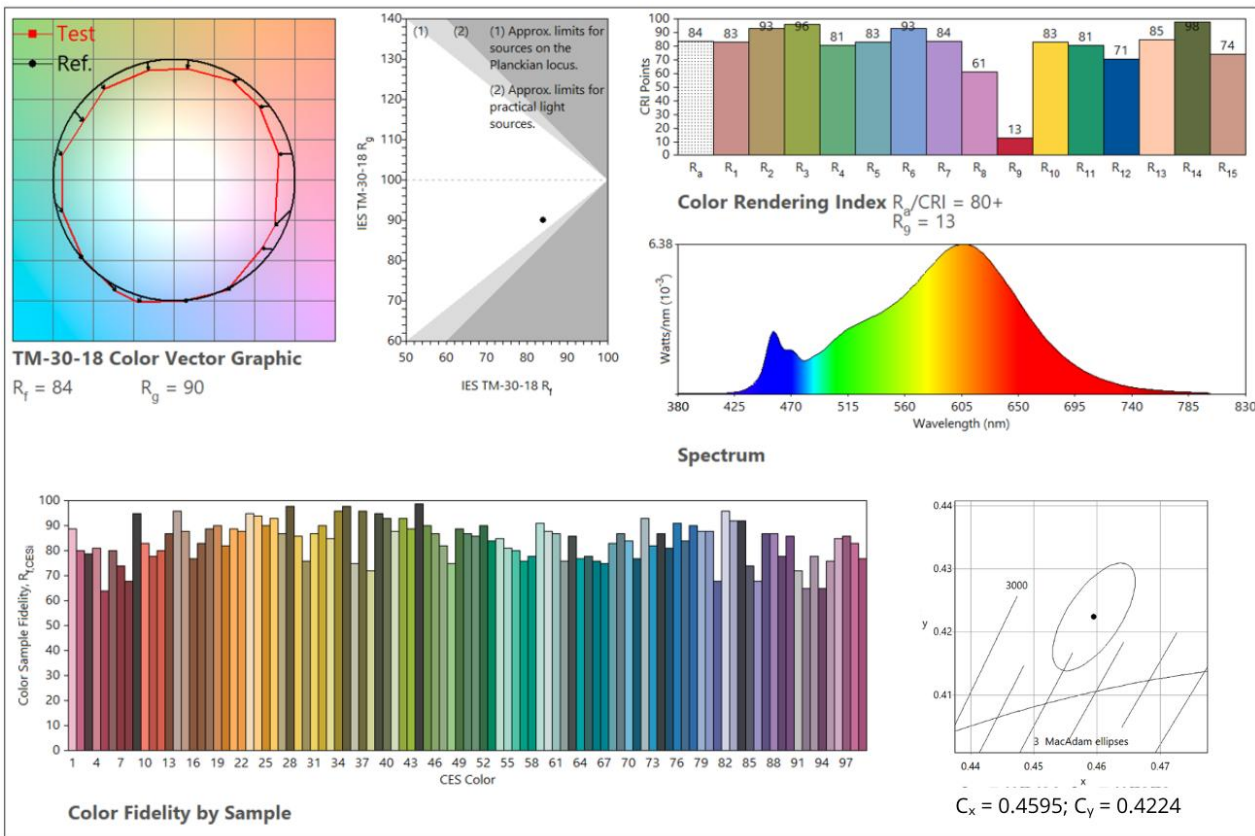
LFD1300T White	Nominal CCT See color output data	CRI	Luminous Flux lm/m	Power W/m	Luminous Efficacy lm/W	Performance Temp. Tp °C	Length m
LFD1300T-G2-824-04	● 2400 K	>80	1350	21	64	55	4
LFD1300T-G2-827-04	● 2700 K	>80	1500	21	71	55	4
LFD1300T-G2-830-04	● 3000 K	>80	1500	21	71	55	4
LFD1300T-G2-840-04	● 4000 K	>80	1550	21	74	55	4
LFD1300T-G2-927-04	● 2700 K	>90	1230	21	59	55	4
LFD1300T-G2-930-04	● 3000 K	>90	1340	21	64	55	4
LFD1300T-G2-940-04	● 4000 K	>90	1340	21	64	55	4

Color output data

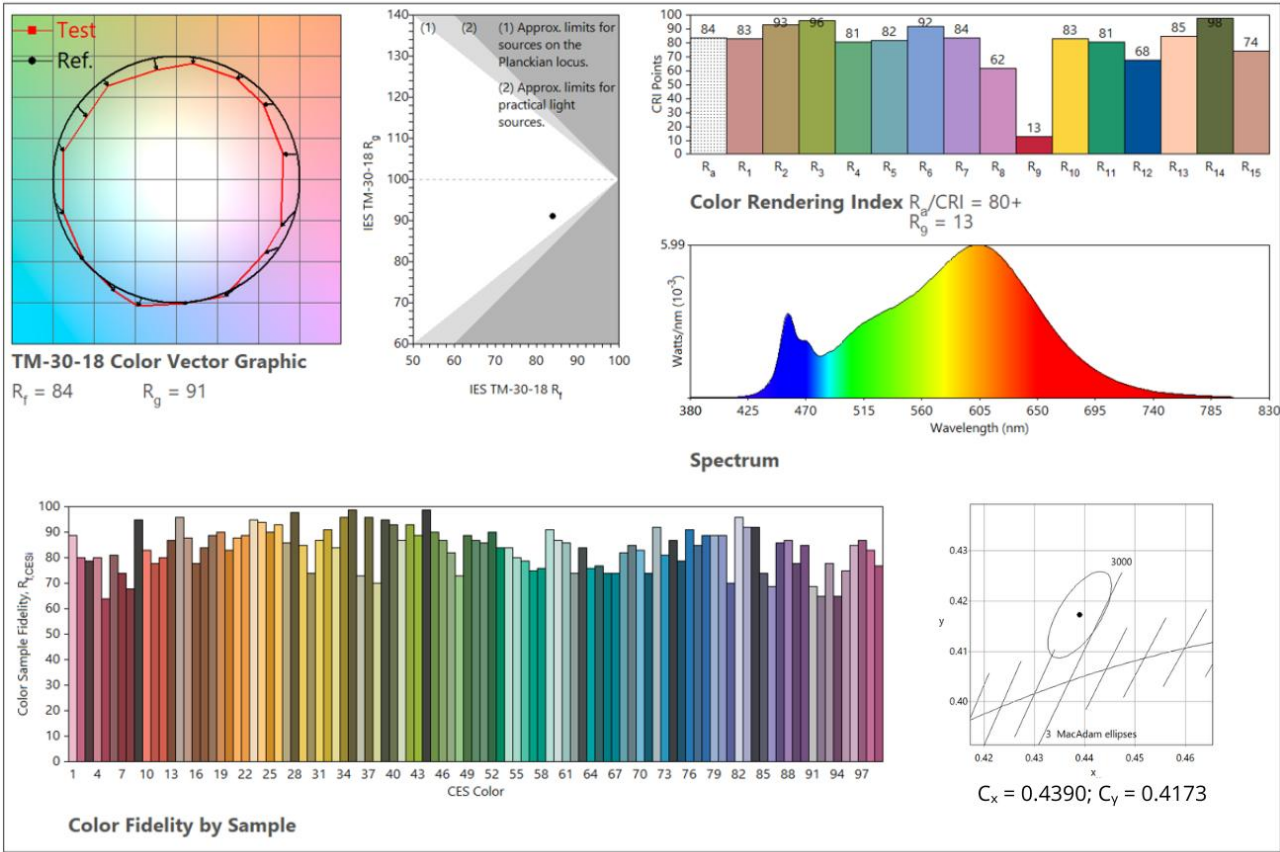
LFD400T-G2-824-10



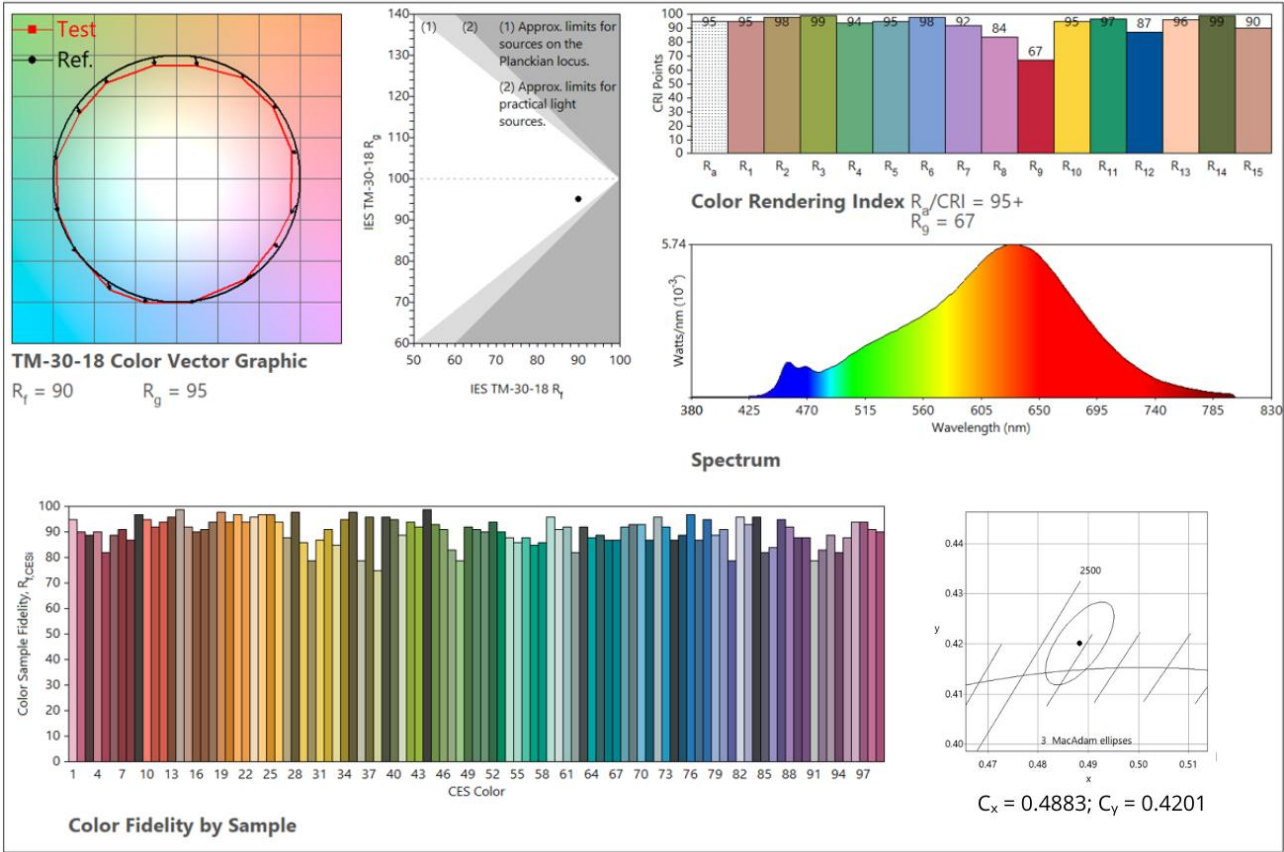
LFD400T-G2-827-10



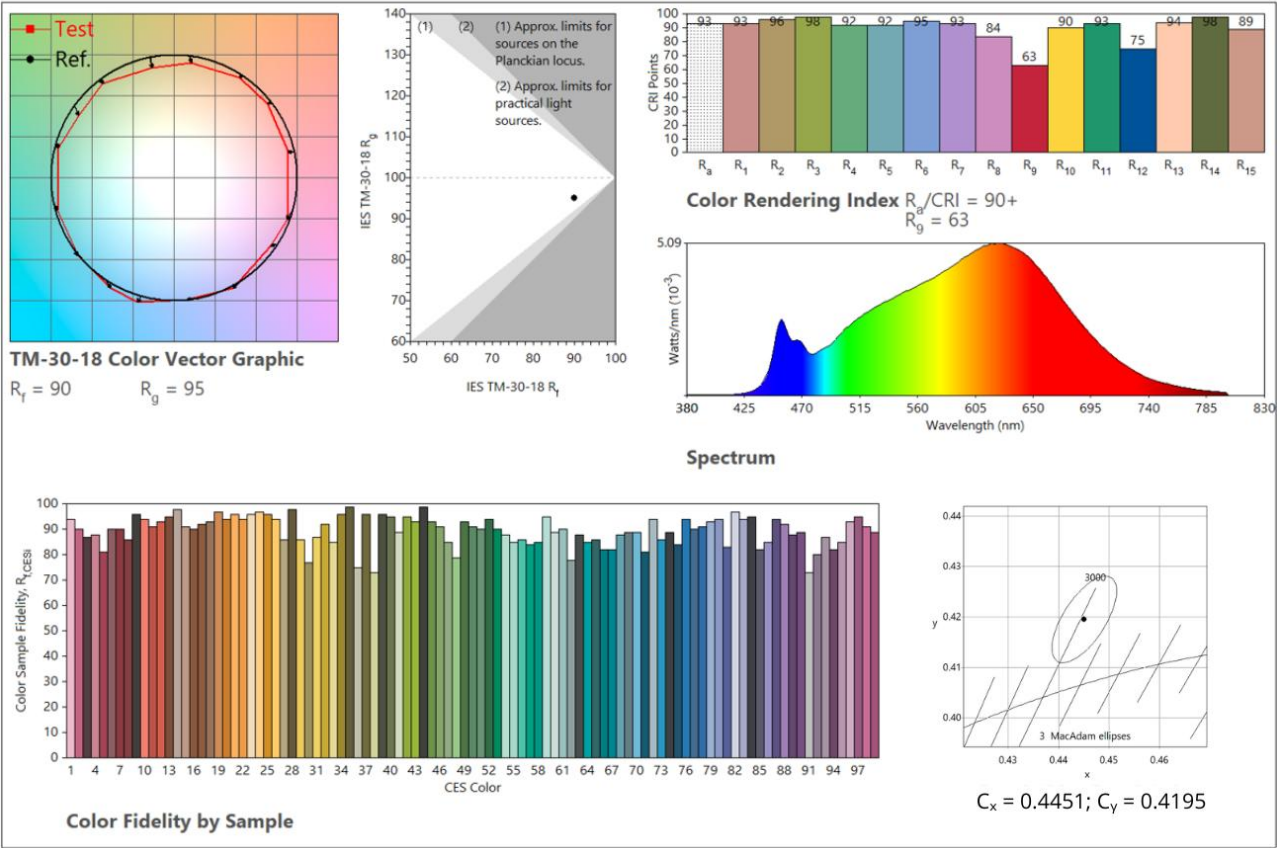
LFD400T-G2-830-10



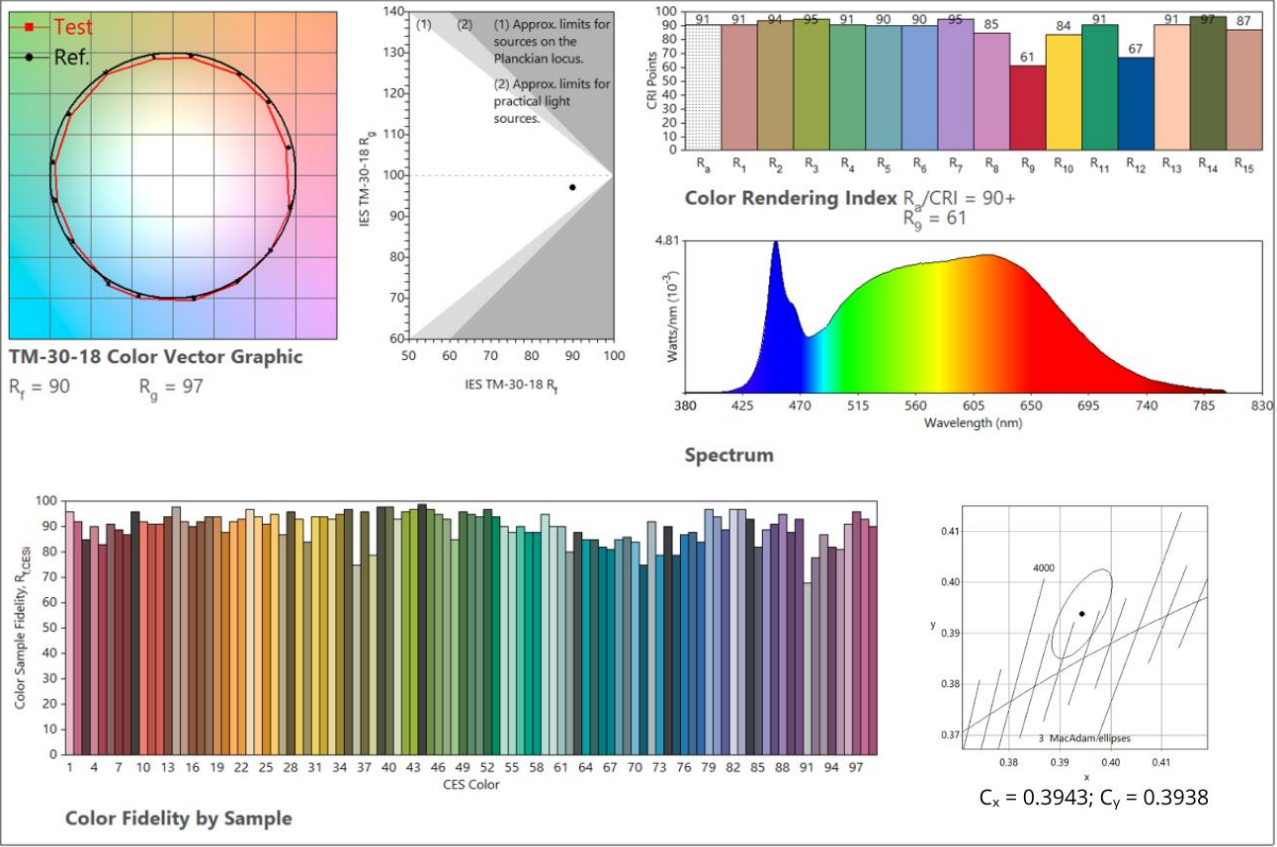
LFD400T-G2-924-10



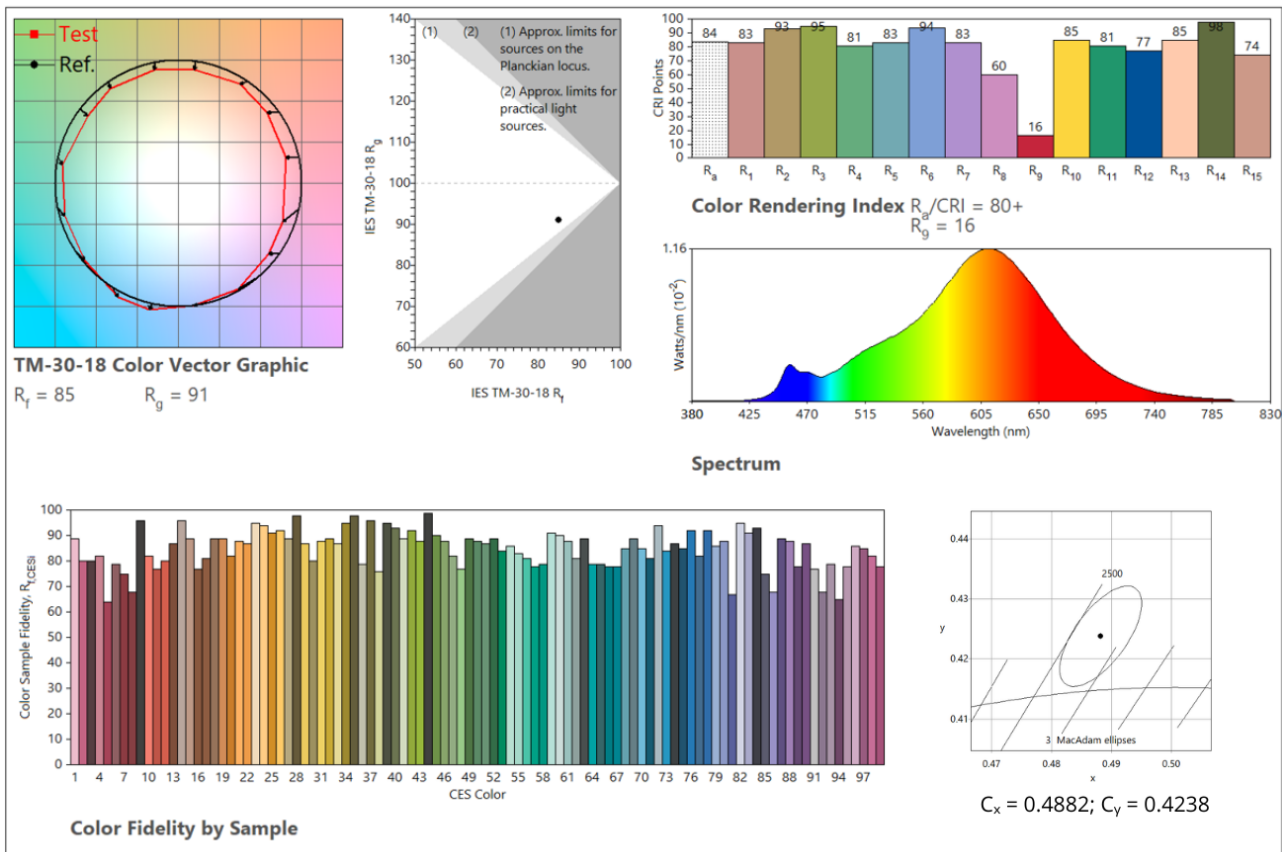
LFD400T-G2-930-10



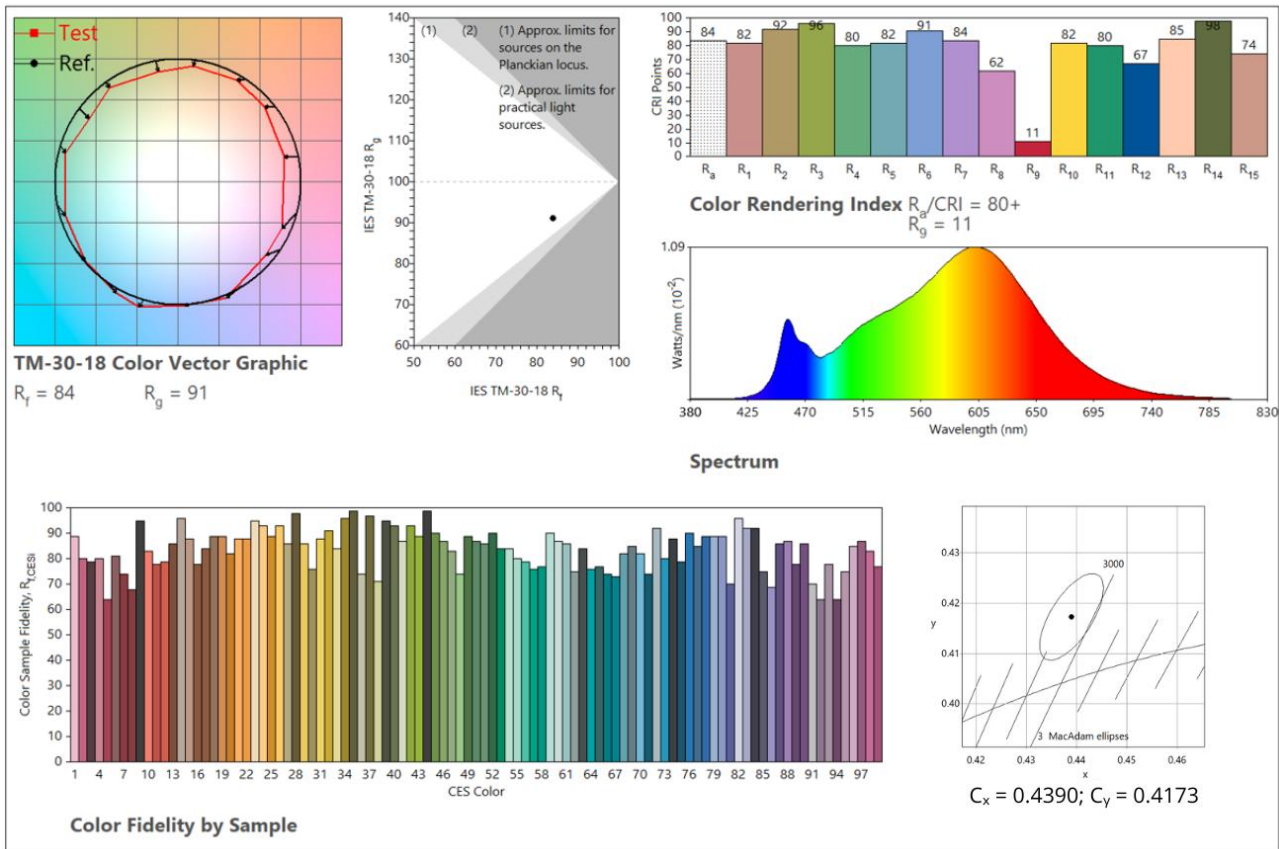
LFD400T-G2-940-10



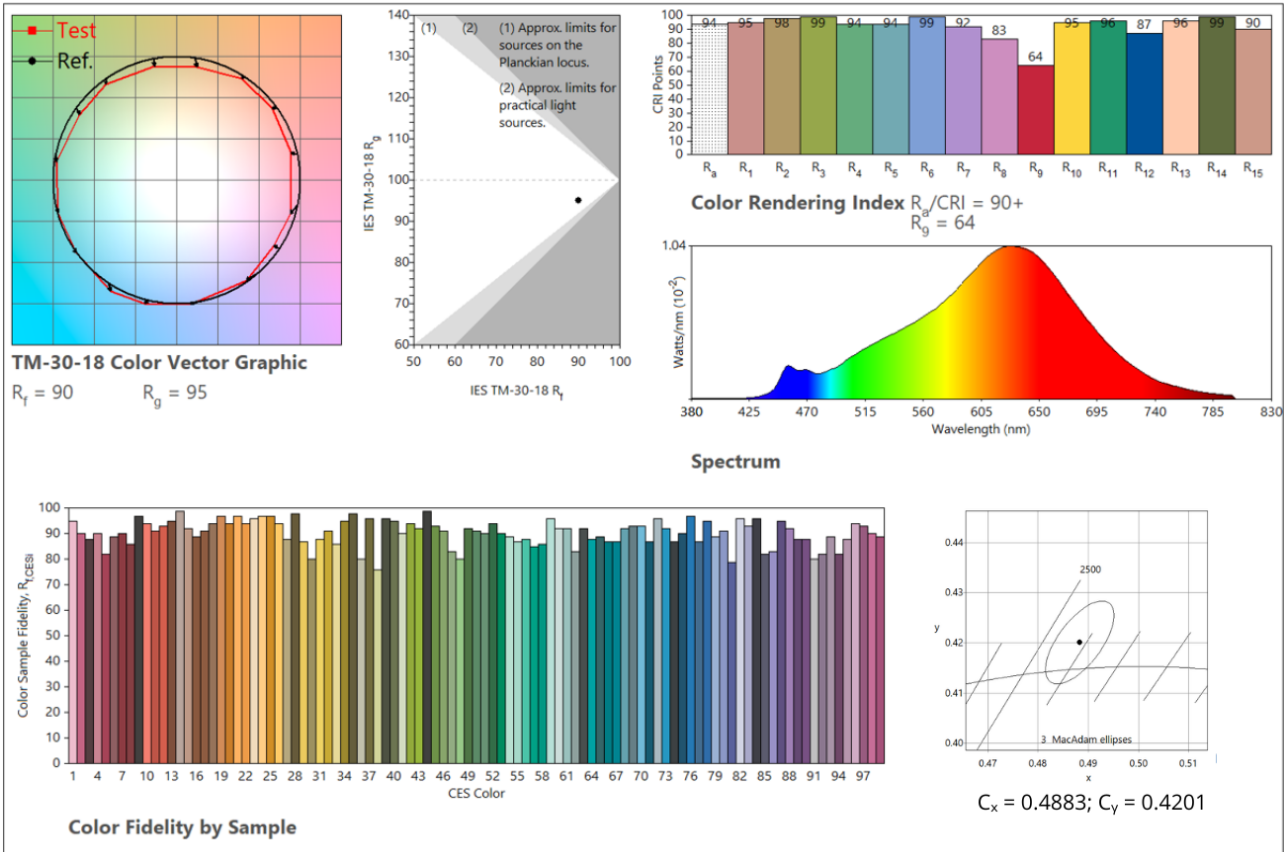
LFD800T-G2-824-06



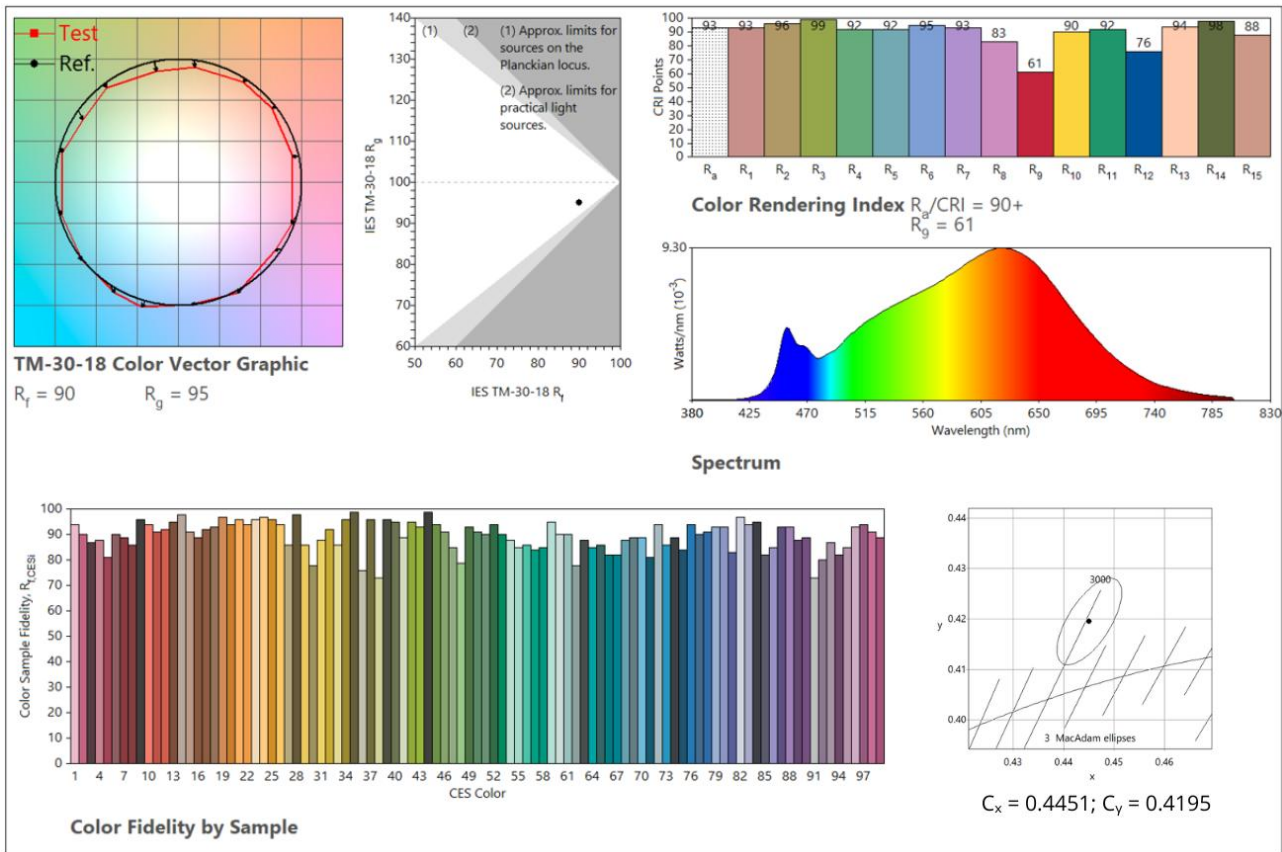
LFD800T-G2-830-06



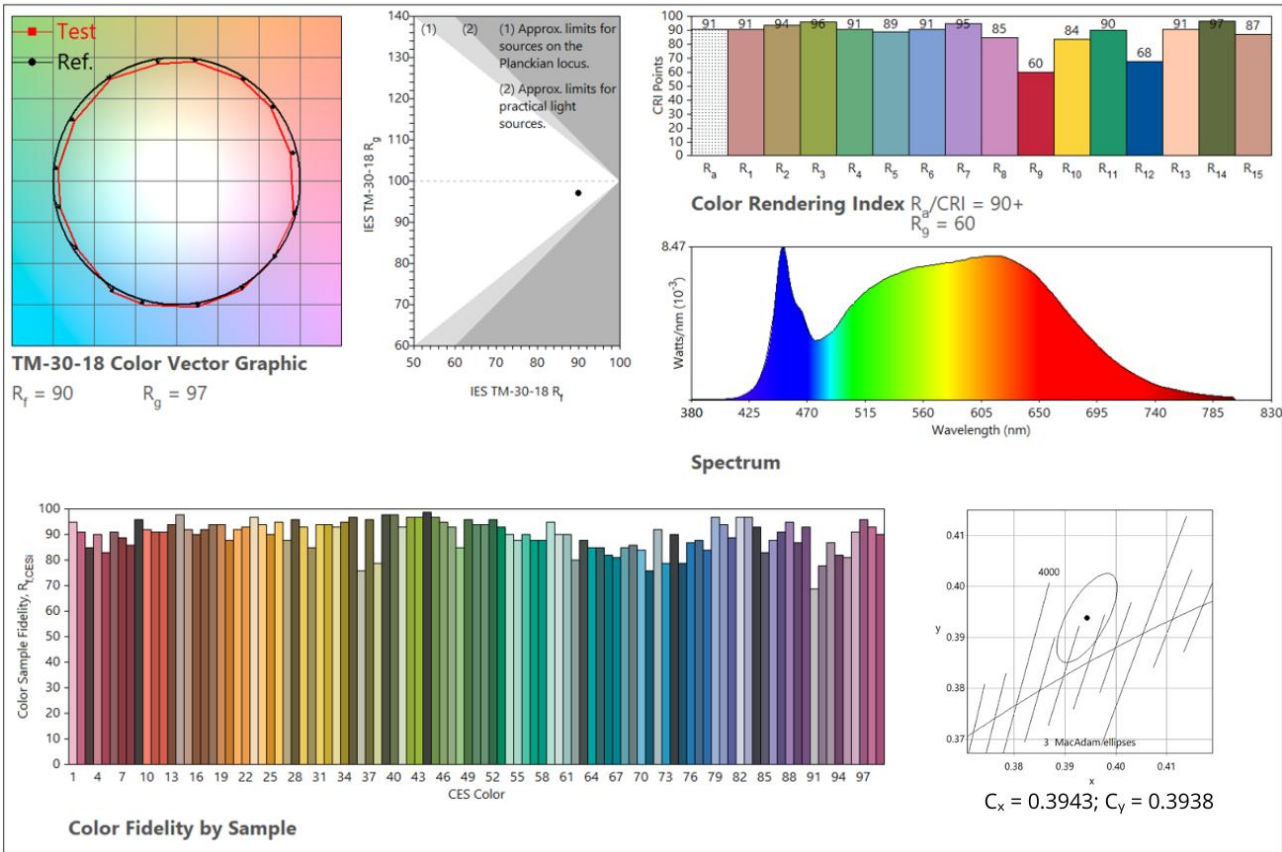
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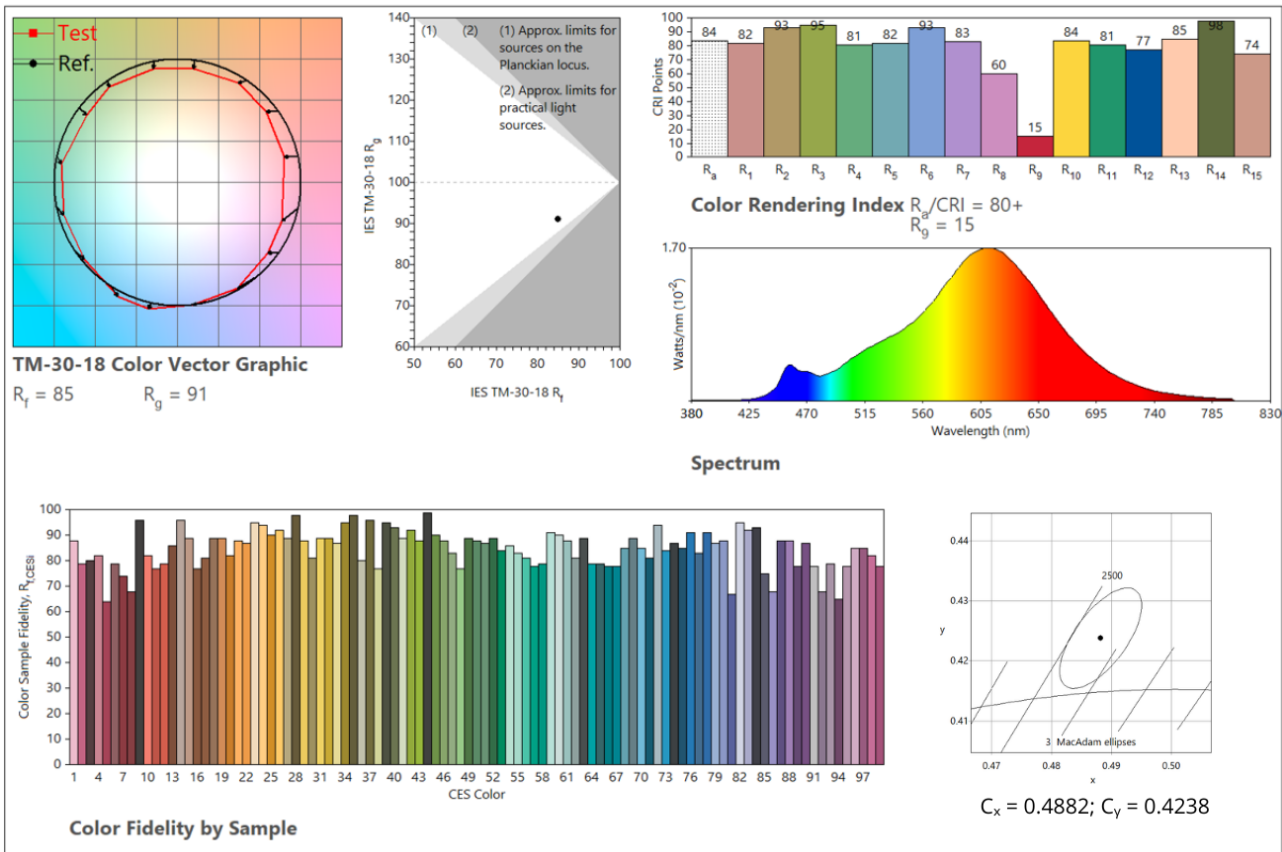
LFD800T-G2-930-06



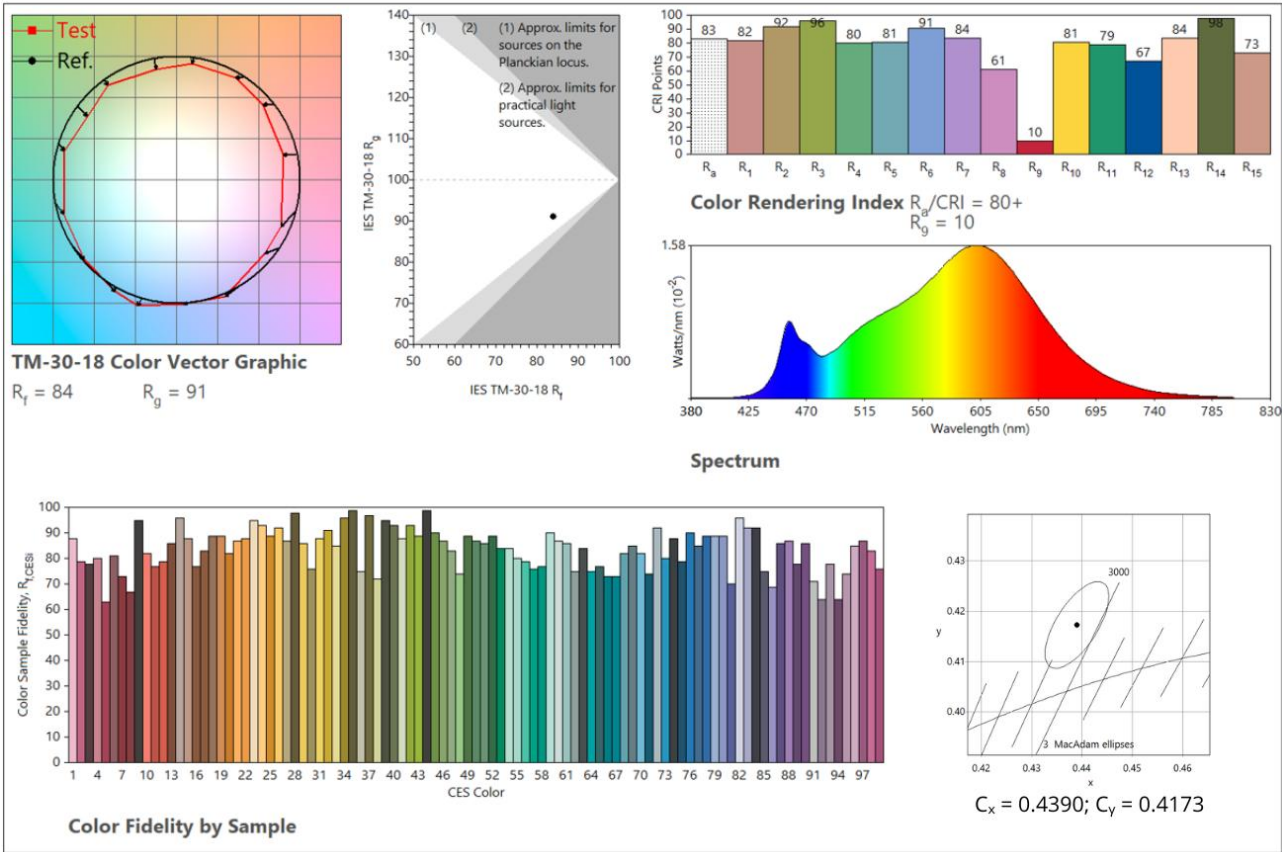
LFD800T-G2-940-06



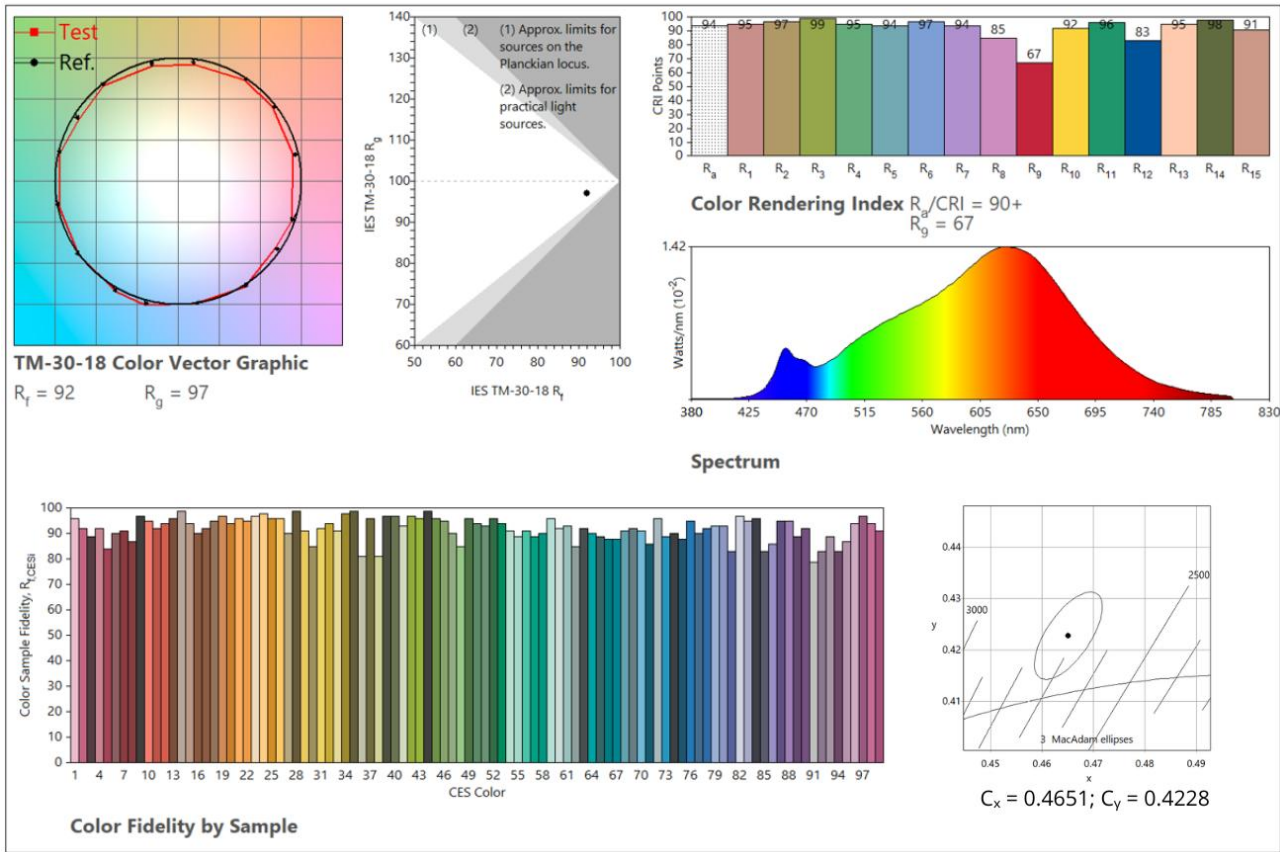
LFD1300T-G2-824-04



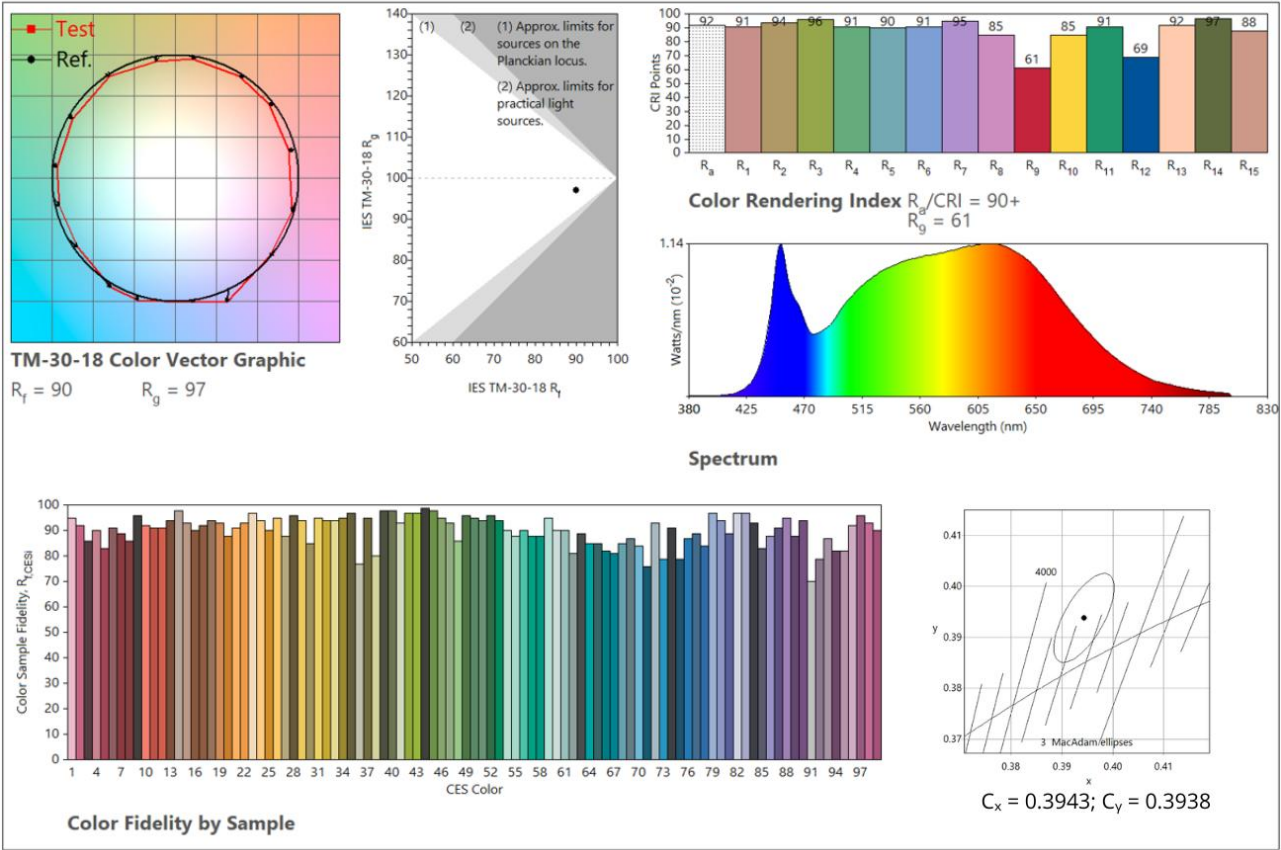
LFD1300T-G2-830-04



LFD1300T-G2-927-04

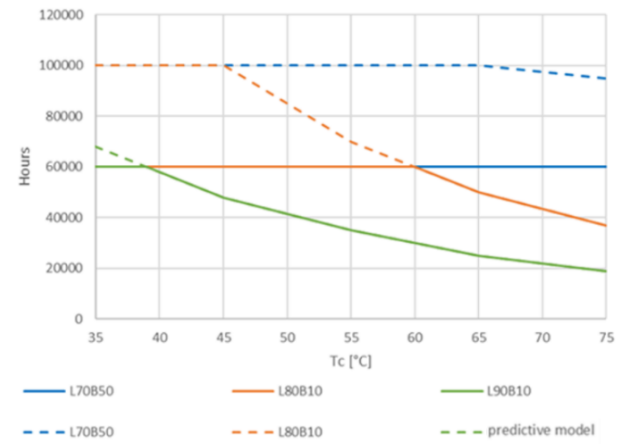


LFD1300T-G2-940-04

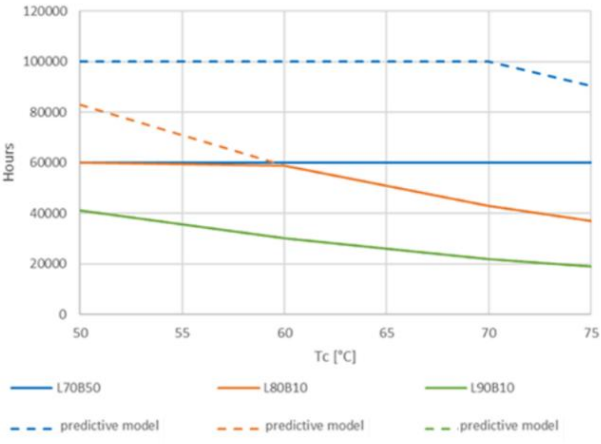


Lifetime

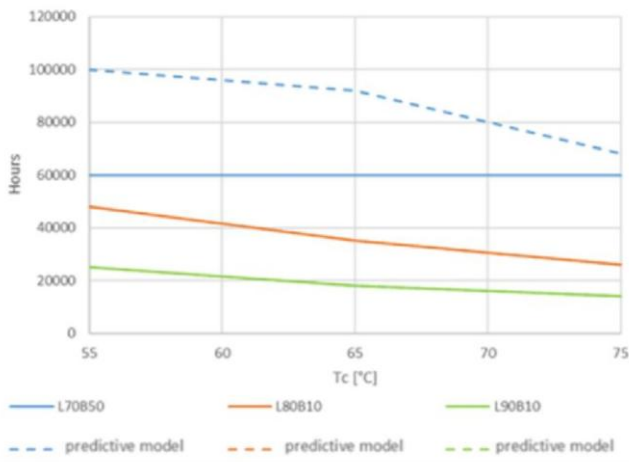
LFD400T



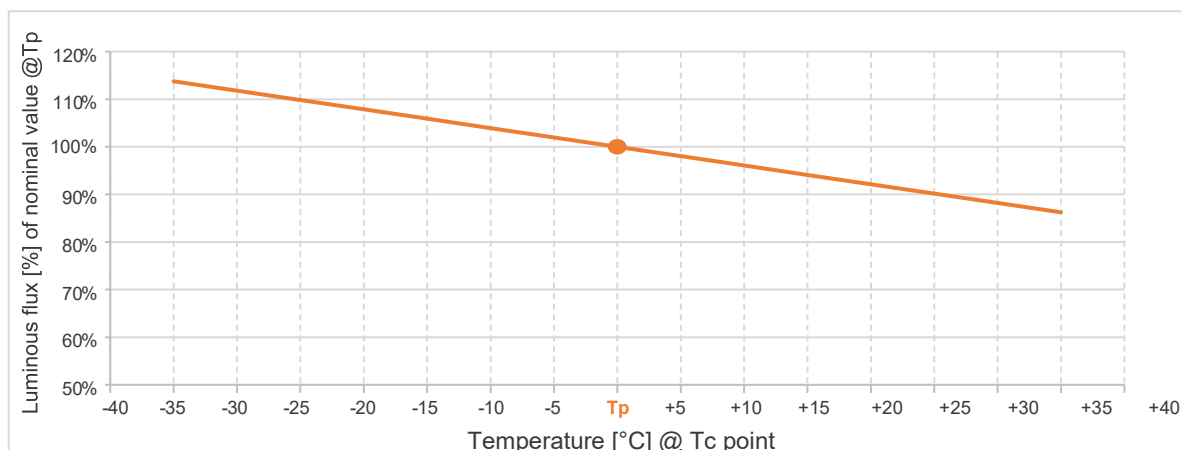
LFD800T



LFD1300T



Luminous Flux vs Tc temperature



Note: Light flux varies with the temperature measured @Tc point; nominal values is given @Tc = Tp. Flux increases when Tc decreases

Order Code

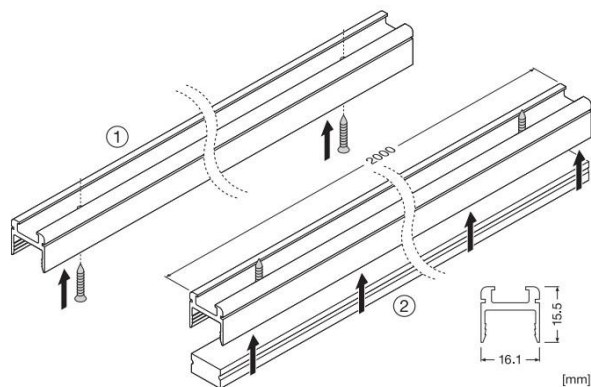
Product description	Product code	Dimensions (length x width x height)	EAN10 Package content
LFD400T-G2-824-10	6937186136565	519 x 167 x 525 mm	1x LED strip with connector
LFD400T-G2-827-10	6937186136589	519 x 167 x 525 mm	1x LED strip with connector
LFD400T-G2-830-10	6937186136602	519 x 167 x 525 mm	1x LED strip with connector
LFD400T-G2-840-10	6937186136626	519 x 167 x 525 mm	1x LED strip with connector
LFD400T-G2-924-10	6937186136640	519 x 167 x 525 mm	1x LED strip with connector
LFD400T-G2-927-10	6937186136664	519 x 167 x 525 mm	1x LED strip with connector
LFD400T-G2-930-10	6937186136688	519 x 167 x 525 mm	1x LED strip with connector
LFD400T-G2-940-10	6937186136701	519 x 167 x 525 mm	1x LED strip with connector
LFD800T-G2-824-06	6937186136886	420 x 232 x 430 mm	1x LED strip with connector
LFD800T-G2-827-06	6937186136909	420 x 232 x 430 mm	1x LED strip with connector
LFD800T-G2-830-06	6937186136923	420 x 232 x 430 mm	1x LED strip with connector
LFD800T-G2-840-06	6937186136947	420 x 232 x 430 mm	1x LED strip with connector
LFD800T-G2-924-06	6937186136961	420 x 232 x 430 mm	1x LED strip with connector
LFD800T-G2-927-06	6937186136985	420 x 232 x 430 mm	1x LED strip with connector
LFD800T-G2-930-06	6937186137005	420 x 232 x 430 mm	1x LED strip with connector
LFD800T-G2-940-06	6937186137029	420 x 232 x 430 mm	1x LED strip with connector
LFD1300T-G2-824-04	6937186137203	420 x 232 x 430 mm	1x LED strip with connector
LFD1300T-G2-827-04	6937186137227	420 x 232 x 430 mm	1x LED strip with connector
LFD1300T-G2-830-04	6937186137241	420 x 232 x 430 mm	1x LED strip with connector
LFD1300T-G2-840-04	6937186137265	420 x 232 x 430 mm	1x LED strip with connector
LFD1300T-G2-927-04	6937186137289	420 x 232 x 430 mm	1x LED strip with connector
LFD1300T-G2-930-04	6937186137302	420 x 232 x 430 mm	1x LED strip with connector
LFD1300T-G2-940-04	6937186137326	420 x 232 x 430 mm	1x LED strip with connector

Optional accessories

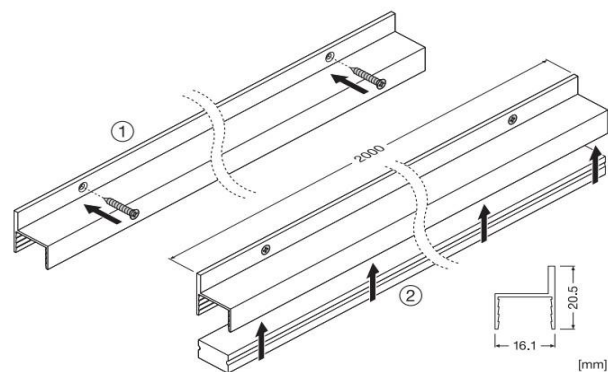
Product Type	Product description	Product code (EAN10)	EAN10 Package content
 Middle power feeder	FX-DCS-G1-CM2PF-IP67-0500-X5	6937186139733	5x Feeder
 Strip to strip middle jumper	FX-DCS-G1-CM2PJ-IP67-0190-X5	6937186139757	5x Jumper
 Feeder kit with endcaps & glue	FX-DCS-G1-CM2PF-IP67-TOPKIT5	6937186139771	5x Feeder, 10x Endcaps, 1x Glue (5g)
 Jumper kit with endcaps & glue	FX-DCS-G1-CM2PJ-IP67-TOPKIT5	6937186139795	5x Jumper, 10x Endcaps, 1x Glue (5g)
 Endcaps & glue	FX-DCS-G1-ECT-KIT20	6937186139832	20x Endcaps, 2x Glue (5g)
 Silicon glue 25g	FX-DCS-G1-GL-25	6937186139818	1x Glue (25g)
 Mounting bracket	FX-QMS-G1-BMZI-DIV1	6937186148483	40x Mounting Bracket
 Mounting bracket	FX-LFDM-G1-BT-17H11	6937186126566	50x Mounting Bracket
 Mounting bracket with additional wing	FX-LFDM-G1-BTL-17H11E9	6937186126580	50x Mounting Bracket
 Aluminum profile Top	FX-LFDM -G1-TT-16H16-200	6937186126627	5x Profile
 Aluminum profile Top Wings	FX-LFDM -G1-TTL-16H11W10-200	6937186126641	5x Profile

LFD400 / LFD800 / LFD1300 TOP with optional accessories

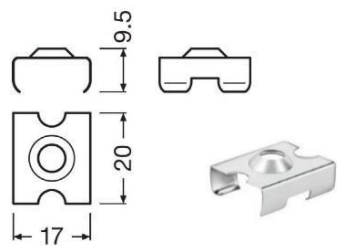
FX-LFDM-G1-TT-16H16-200



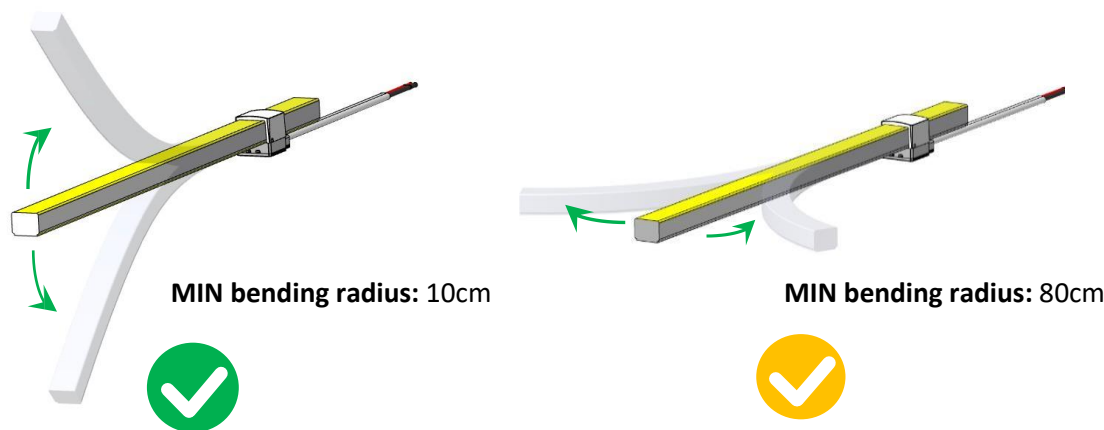
FX-LFDM -G1-TTL-16H11W10-200



FX-QMS-G1-BMZI-DIV1



LD400 / LFD800 / LFD1300 TOP bending direction (yellow: light emitting surface)



Ambient temperature – operating considerations

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

Profile Type	Product description	Product code (EAN)	MAX Ambient Temperature °C		
			LFD400T	LFD800T	LFD1300T
	FX-LFDM -G1-TT-16H16-200	6937186126627	55	50	45
	FX-LFDM -G1-TTL-16H11W10-200	6937186126641	55	50	45
Without any profile			55	45	35

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

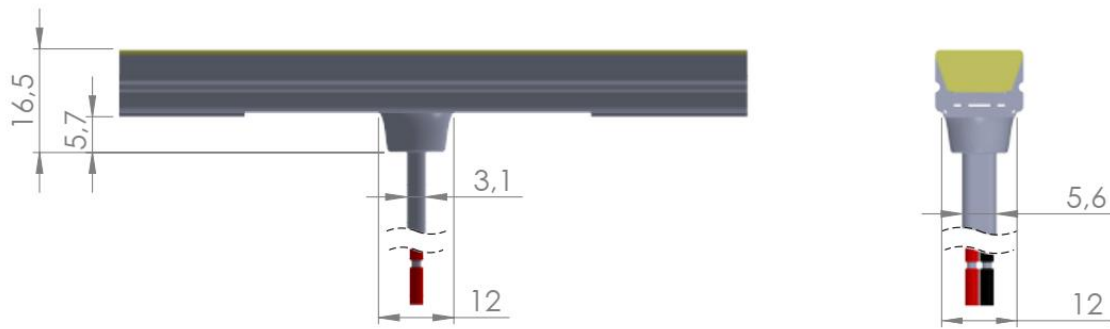
Speaking code generator

You can generate your own LINEARlight FLEX DIFFUSE speaking code and send it to your INVENTRONICS contact for detailed information by using the dedicated generator on INVENTRONICS website:
<https://design.inventronicsglobal.com/project/dotless-white/linearlight-flex-diffuse-protect-side#speaking-code>

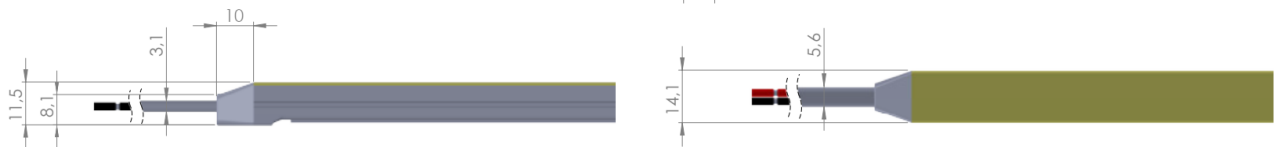
	LFD	800	T	924	10	C	T	L1	50	F	G2.1
Product family											
LINEARlight Flex											
DIFFUSE.....	LFD										
Luminous flux											
400 lm/m.....		400									
600 lm/m.....		600									
800 lm/m.....		800									
1000 lm/m.....		1000									
1300 lm/m.....		1300									
Model											
Top.....			T								
Side.....			S								
Light tone											
CRI>80, 2400K.....				824							
CRI>80, 2700K.....				827							
CRI>80, 3000K.....				830							
CRI>80, 3500K.....				835							
CRI>80, 4000K.....				840							
CRI>80, 6500K.....				865							
CRI>90, 2400K.....				924							
CRI>90, 2700K.....				927							
CRI>90, 3000K.....				930							
CRI>90, 3500K.....				935							
CRI>90, 4000K.....				940							
CRI>90, 6500K.....				965							
Length											
From 10 to 1000 cm					10						
Connection											
Connector.....						C					
Bottom cable.....						B					
End cable.....						E					
Adhesive tape											
Tape.....							T				
No tape.....							X				
Wiring											
One end.....								L1			
Both ends.....								L2			
Wire length											
50-500 cm									50		
Wire ends											
Flying leads.....										F	
Generation.....											
											G2.1

Note: LINEARlight FLEX DIFFUSE can be ordered both with standard and customized lengths.

CONNECTION – Bottom cable



CONNECTION – End cable



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:

<https://www.inventronics-light.com>