

## LF10D

### EXTERIOR/INTERIOR LINEAR FLEXIBLE



## CB



#### Colour-Matched. Precision-Cut. Quality-Assured. Built to Blend. Install-Ready.

Trusted by designers for precision, consistency, and total system integration. Our updated and extended Linear range brings that same expertise to flexible and rigid luminaires, giving you the freedom to create clean, continuous lines of light, perfectly matched in colour, quality, and performance across every application.

The LF10D offers true dual-bend flexibility, combining top and side bend capability within a single linear profile. It delivers colour-matched illumination perfectly aligned with the LightGraphix range, allowing designers to achieve uniformity across complete lighting schemes.

Engineered, cut, and tested in-house, it provides up to 5m of continuous light, precision-cut to 1mm.



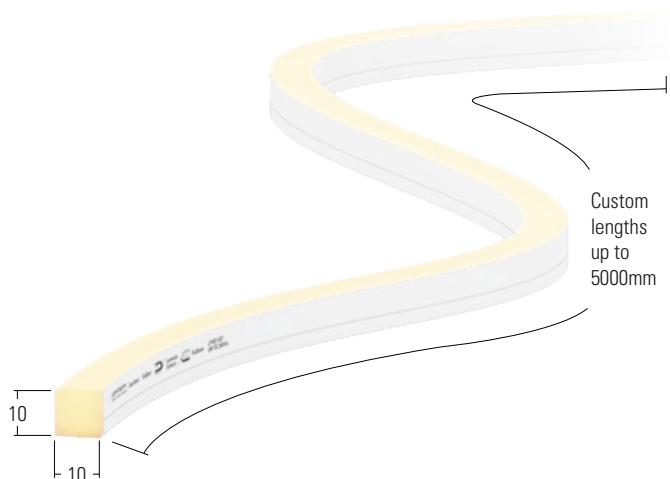
## KEY FEATURES

- > Colour-matched to the full LightGraphix range for uniform illumination across all luminaire types
- > Dual bend flexibility (top 60mm / side 60mm radius)
- > Colour-matched LEDs within 2-step MacAdam ellipse
- > Flame, Salt, Solvent & UV resistant
- > Continuous lengths up to 5m; 1mm cut accuracy
- > Matching rigid profile: LR12
- > Range of mounting profiles and cable exit options
- > Dimming: 0–10 V, DALI, Casambi, DMX, Mains
- > Cut, finished, and tested in the UK

## DIMENSIONS

Dimensions in mm

For full dimensions please go to page 3.



## WHITE LED ENGINE SPECIFICATION

Engine	 Single White	
Beam angles	120°	
Colour temperature*	2200K, 2400K, 2700K, 3000K, 4000K, 5000K	
Typical LED Circuit Wattage/m	5W	8W
Delivered lumens (L <sub>100</sub> )*	287	461
Delivered lm/Circuit W**	57	58
Source LED lm/m	497	795
Source lm/W	99.4	99.4
Forward voltage (V <sub>100</sub> )	24V	
CRI	90	
Colour consistency	2 SDCM	
LOR	0.58	
UGR rating ('downlight' mounted)	21.8	
BUG rating ('downlight' mounted)	B0-U0-G0	
TM30	RF90   RG97	
LED lifetime (25° ambient)	L80B50 at 50,000hrs	
Applications		

These values are based around a LF10D-930 1000mm

\*See lumen variance table to the right for lumens apply across all colour temperatures

\*\*LED wattage includes losses associated with using a 90% efficient driver

Lumen variance by CCT	
2200K	-16%
2400K	-11%
2700K	-4%
3000K	0%
4000K	5%
5000K	7%

## MECHANICAL

		5W	8W
Ambient temperature		-20°C to 45°C	-20°C to 55°C
 55°C		287 lm/w	460 lm/w
Minimum bend radius	Top	60mm	
	Side	60mm	
Materials	Silicon, Copper		
Weight of product (per m)	165g		
IP rating	IP67		
IK rating	IK06		
Resistance capabilities	Flame, Salt, Solvent & UV		
Cable	Pre-Wired 2 core silicon cable 1000mm*		
Wiring	Parallel constant voltage wiring 24V		
Max. installed length	5m		
Cut increments	1mm		
Cut tolerance	+/- 5mm		

\*Custom length on request

## ENVIRONMENTAL

TM65	Available on request
TM66	1.5

## LINEAR FLEX RANGE OVERVIEW

	<b>LF04S-T</b>	<b>LF10D</b>	<b>LF16D</b>	<b>LF20D</b>
<b>Size</b>	4mm x 8mm	10mm x 10mm	16mm x 16mm	20mm x 20mm
<b>Applications</b>	> Recessed into joinery	> Exterior > Architectural & Facade > Cove & Contour > Wet niche curved applications, which are not suitable for rigid profiles	> Exterior > Architectural & Facade > Cove & Contour > Wet niche curved applications, which are not suitable for rigid profiles	> Exterior > Architectural & Facade > Cove & Contour > Wet niche curved applications, which are not suitable for rigid profiles
<b>IP Rating</b>	IP54	IP67	IP67	IP67
<b>Lumen/m</b>	244	461	777	824
<b>Wattage/m</b>	9W	8W	14W	14W
<b>CRI</b>	90	90	90	90
<b>CCT</b>	2200K, 2400K, 2700K, 3000K, 4000K, 5000K	2200K, 2400K, 2700K, 3000K, 4000K, 5000K	2200K, 2400K, 2700K, 3000K, 4000K, 5000K	2200K, 2400K, 2700K, 3000K, 4000K, 5000K
<b>Dynamic options</b>	N/A	N/A	 Tunable white	 Tunable white, RGBW
		<b>LR12</b>	<b>LR17</b>	<b>LR20</b>
<b>Rigid Version</b>	N/A			

## THE LINEAR RANGE THAT YOU WOULD EXPECT FROM LIGHTGRAPHIX

Trusted by designers for precision, consistency, and total system integration. Our updated and extended Linear range brings that same expertise to flexible and rigid luminaires, giving you the freedom to create clean, continuous lines of light, perfectly matched in colour, quality, and performance across every application.

### Colour-Matched

Developed using LightGraphix-engineered LED tape, tightly binned within a two-step MacAdam ellipse. Every luminaire is visually and chromatically matched across our full range from downlights and uplights to spotlights and linear delivering consistent light quality and tone throughout the project.

### Precision-Cut

Every fitting is made to measure in our UK operations - cut, connected, moulded, and IP-tested in-house. With 1 mm cutting accuracy and continuous lengths up to 5m, each product delivers technical precision and a flawless finish, ensuring your specification is realised exactly as intended.

### Quality-Assured

Engineered for demanding environments, every LightGraphix Linear fitting undergoes 100% testing. Constructed from high-grade materials, including marine-quality silicon, the range is IP67-rated and resistant to flame, UV, saltwater, and solvents. Built for longevity, reliability, and performance - indoors, outdoors, or at sea.

### Built to Blend

Designed to give you ultimate flexibility for your lighting design, each Linear product integrates seamlessly with our wider portfolio. Rigid and flexible options share the same light engines, allowing continuous lines of light that sit discreetly within the architecture and maintain design integrity.

### Install-Ready

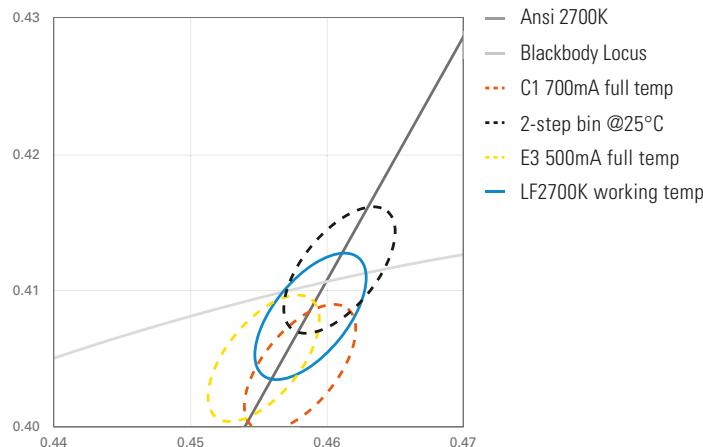
Manufactured, assembled, and tested through our UK operations for dependable performance and rapid turnaround. Custom lengths, pre-moulded connections, and a 5-year warranty reduce on-site work, minimise risk, and ensure every luminaire arrives ready to install.

## COLOUR MATCHING

### At LightGraphix, colour matching goes beyond specifying the same CCT.

LEDs naturally exhibit chromatic shift as they warm, which can affect the final appearance and create perceptible inconsistencies across a lighting scheme. Our LEDs are tightly binned at 25°C within a two-step MacAdam ellipse and carefully selected to maintain colour consistency and light quality once stabilised in use. This ensures seamless integration between linear products and other LightGraphix luminaires within the project, delivering confidence wherever LightGraphix is specified.

C1 and E3 travel through the flex colour point

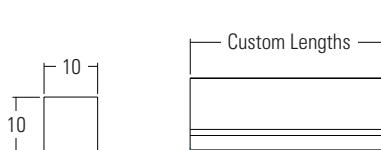


## DIMENSIONS AND FIXING ACCESSORIES

Dimensions in mm

### LF10

10 x 10mm square profile, available in specifiable lengths at 1mm increments from 300mm to 5000mm. Low profile moulded cable entry & ends.



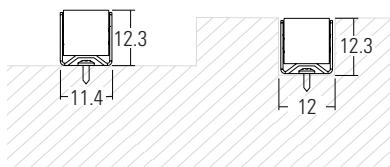
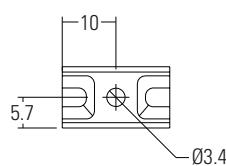
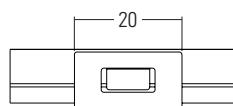
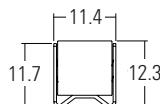
## FIXINGS

Dimensions in mm

### /SCLF10 Spring Clip

White painted stainless steel finish. Surface mount sprung stainless steel spring clips, fixed by one screw to the mounting surface. For recessed applications, an 18mm wide slot is recommended for installation.

(Supplied in bags of 20)

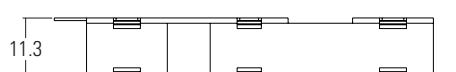
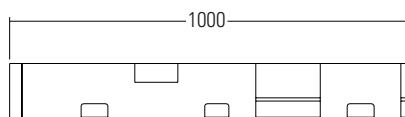
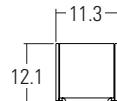
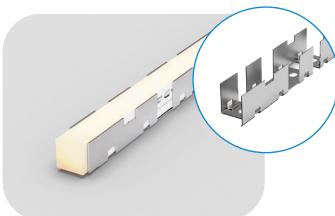


## PROFILES

Dimensions in mm

### /BCLF10 Bendable Channel

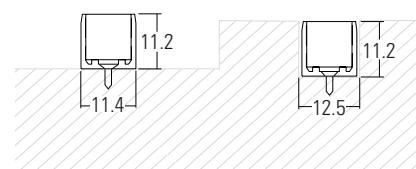
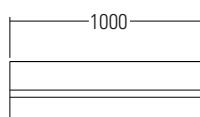
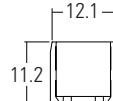
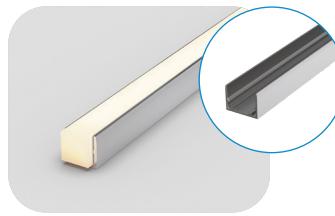
Stainless steel finish. The Bendable Channel allows precise control over the position of the LF product in 3 dimensions. For recessed applications, allow an 18.1mm slot for inserting the Bendable Channel into. (Supplied in 1m lengths)



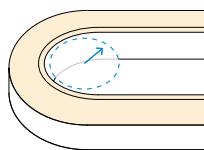
### /ELF10 Channel

Plain aluminium finish. The Extruded Channel allows surface mounted or recessed installation in straight lines. For recessed applications, allow a 11.2mm slot for inserting the Extruded channel into.

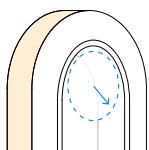
(Supplied in 1m lengths)



## MINIMUM BEND RADIUS



**Side Bend Radius**  
60mm



**Top Bend Radius**  
60mm

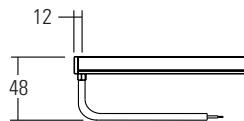
## END, REAR & LEFT EXIT

Dimensions in mm

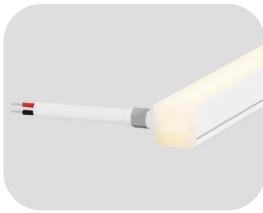
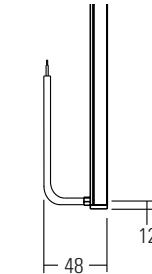
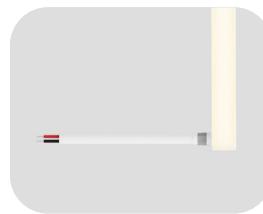
**/End Exit**



**/Rear Exit**



**/Left Exit**



## CREATING CONTINUOUS LINES

Mounting the products end to end with opal translucent endcaps will create a continuous line of light. To enable this configuration, please select rear or left exit.



## ORDER CODES & OPTIONS

Example: LF10D-8W/927/End Exit/SCLF10/5000mm

Light Engine & Drive Current

LED Colour

Cable Exit

Length (5000mm Max)

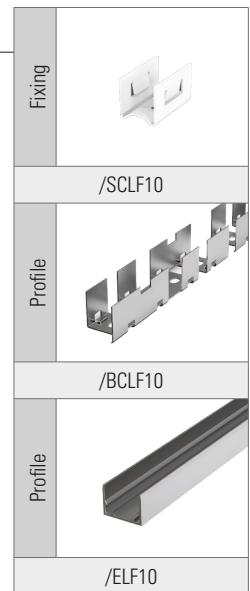
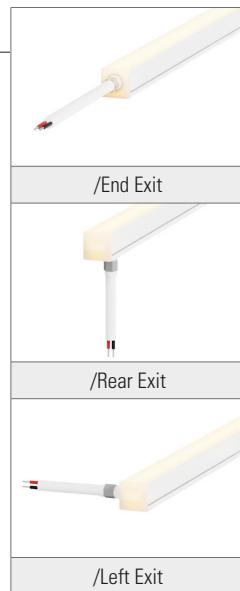
Fixing & Profiles

/  /  /  /

Ambient temperature key:  55°C

### White

24V 5W/m	LF10D-5W	Super Warm White (2200K)	/922
24V 8W/m	LF10D-8W	Very Warm White (2400K)	/924
		Extra Warm White (2700K)	/927
		Warm White (3000K)	/930
		White (4000K)	/940
		Cool White (5000K)	/950



Ambient temperature key:

25°C 35°C 45°C 50°C 55°C

### Drivers

To be used with 24V constant voltage LED Drivers and Controllers, We offer a range of drivers with 1-10V, DMX, and DALI dimming options. Please download the data sheet from the downloads section at [www.lightgraphix.co.uk](http://www.lightgraphix.co.uk), or contact us for more information.