LF10D

EXTERIOR/INTERIOR LINEAR FLEXIBLE

(24V) (IP67) (PART L Display) (5 YEAR Warranty)

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.
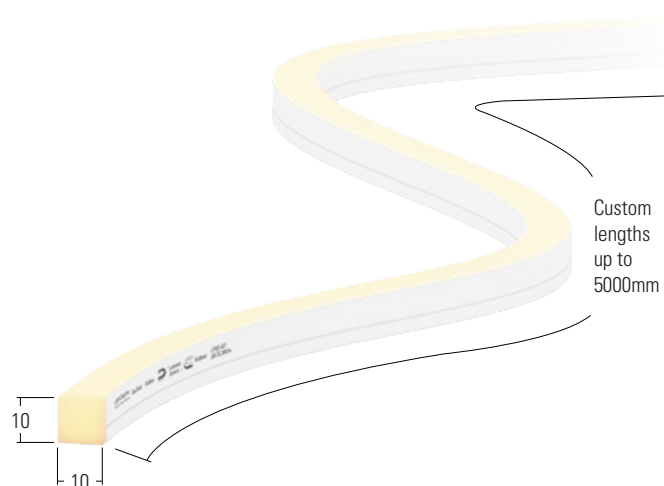
KEY FEATURES

> 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.

Custom lengths up to 5000mm

10

10

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WHITE LED ENGINE SPECIFICATION

Engine		Single White
Beam angles		120°
Colour temperature*		2200K, 2400K, 2700K, 3000K, 4000K, 5000K
Typical LED Circuit Wattage/m		8W
Delivered lumens (L_{100})*		461
Delivered lm/Circuit W**		58
Source LED lm/m		795
Source lm/W		99.4
Forward voltage (V_{100})		24V
CRI		90
Colour consistency		2 SDCM
LOR		0.58
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

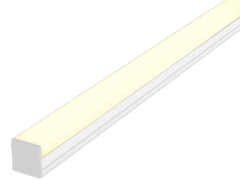|		
Ambient temperature		-20°C to 45°C*
Minimum bend radius	Top	60mm
	Side	60mm
Materials		Silicon, Copper
Weight of product (per m)		165g
IP rating		IP67
IK rating		IK06
Resistance capabilities		Flame, Salt, Solvent & UV
Cable		Pre-Wired 2 core silicon cable 1000mm**
Wiring		Parallel constant voltage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

*For higher temperatures please contact sales@lightgraphix.co.uk
**Custom length on request

ENVIRONMENTAL

TM65	Available on request
TM66	1.5

LINEAR FLEX RANGE OVERVIEW

	LF04S-T	LF10D	LF16D	LF20D
Size	4mm x 8mm	10mm x 10mm	16mm x 16mm	20mm x 20mm
Applications	> 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
IP Rating	IP54	IP67	IP67	IP67
Lumen/m	244	461	777	824
Wattage/m	9W	8W	14W	14W
CRI	90	90	90	90
CCT	2200K, 2400K, 2700K, 3000K, 4000K, 5000K	2200K, 2400K, 2700K, 3000K, 4000K, 5000K	2200K, 2400K, 2700K, 3000K, 4000K, 5000K	2200K, 2400K, 2700K, 3000K, 4000K, 5000K
Dynamic options	N/A	N/A	Tunable white	Tunable white, RGBW
Rigid Version	N/A	LR12	LR17	LR20

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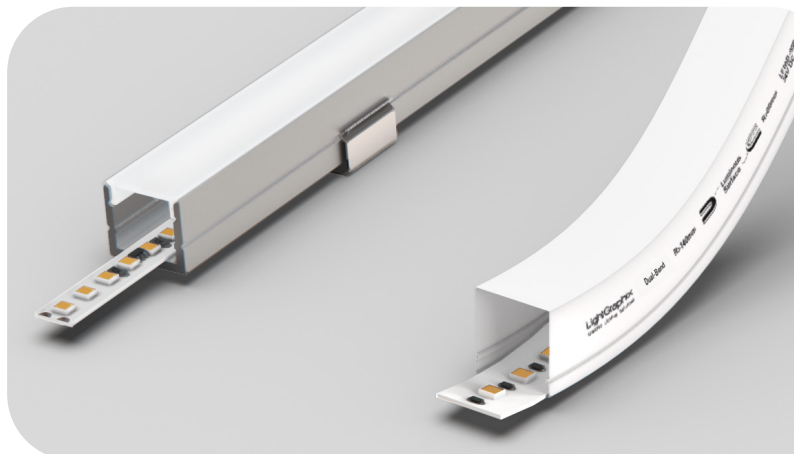
Engineered for demanding environments, every LightGraphix Linear fitting undergoes 100% testing. Constructed from high-grade materials, including marine-quality silicon, the range is IP67-rated and resistant to flame, UV, saltwater, and solvents. Built for longevity, reliability, and performance - indoors,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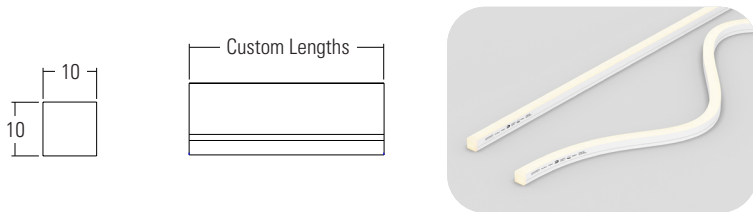
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Creative Lighting Solutions

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.
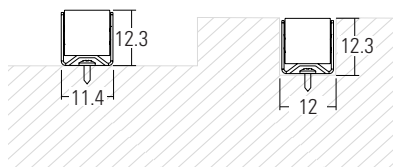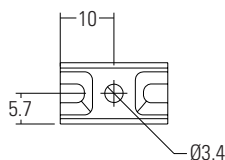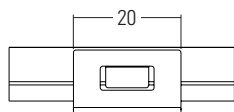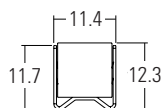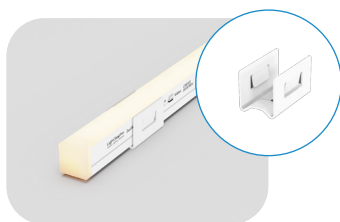

Custom Lengths

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)
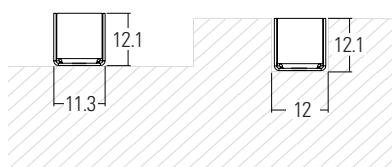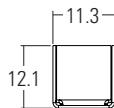
PROFILES

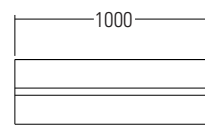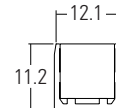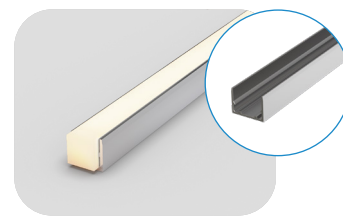*Dimensions in mm*

/BCLF10 Bendable Channel
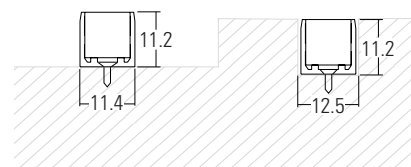
Stainless steel finish. The Bendable Channel allows precise control over the position of the LF product in 3 dimensions. For recessed applications, allow an 12.1mm slot for inserting the Bendable Channel into. (**Supplied in 1m lengths**)
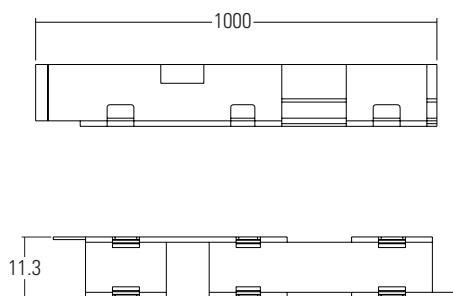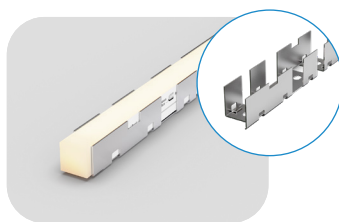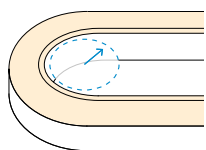

/ELF10 Channel

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.
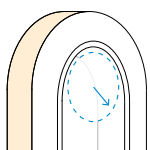(**Supplied in 1m lengths**)

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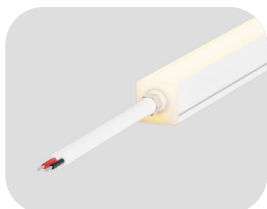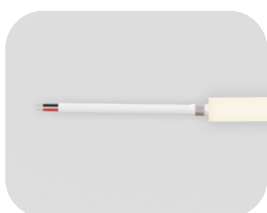
MINIMUM BEND RADIUS
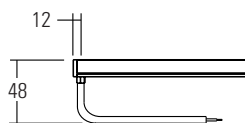
Side Bend Radius
60mm

Top Bend Radius
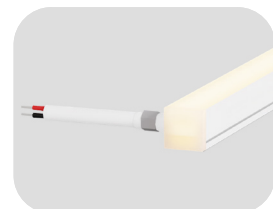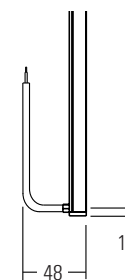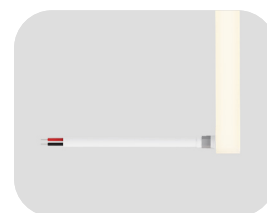60mm

END, REAR & LEFT EXIT

Dimensions in mm

/End Exit

/Rear Exit

Lit Surface

12
48

/Left Exit

12
48

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.

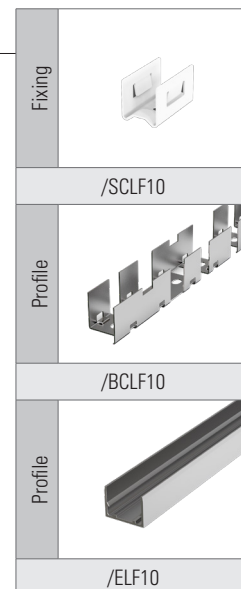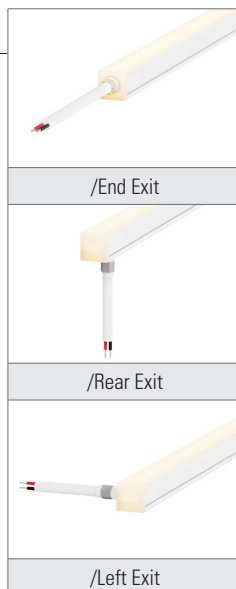CB   LIAQA ASSURED COMPANY   CE   MADE IN BRITAIN   UKCA

ORDER CODES & OPTIONS

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

Light Engine & Drive Current	LED Colour	Cable Exit	Length (5000mm Max)	Fixing & Profiles
	/	/	/	/

White

24V 8W/m	LF10D-8W

Super Warm White (2200K)	/922
Very Warm White (2400K)	/924
Extra Warm White (2700K)	/927
Warm White (3000K)	/930
White (4000K)	/940
Cool White (5000K)	/950

/End Exit

/Rear Exit

/Left Exit

Fixing

/SCLF10

Profile

/BCLF10

Profile

/ELF10

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, or contact us for more information.