

**LF04S-T**  
LINEAR FLEXIBLE - SIDE BEND



**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 LF04S-T delivers side-bend flexibility within a compact, high-performance form factor. Designed for seamless integration across interior, exterior, and marine projects, it achieves perfect colour consistency with LEDs matched to the complete LightGraphix range.

Engineered, cut and tested in our UK facility, every fitting is cut, connected, moulded, and IP-tested in-house, ensuring precision and reliability. Specifiable to 1mm increments and available in continuous lengths up to 5m, the LF04S-T combines engineering accuracy with



**KEY FEATURES**

- > Colour-matched to the full LightGraphix range for uniform illumination across all luminaire types
- > Side bend flexibility (minimum radius 15mm)
- > Colour-matched LEDs within 2-step MacAdam ellipse
- > Flame, Salt, Solvent & UV resistant
- > Continuous lengths up to 5m; 1mm cut accuracy
- > 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	9W
Delivered lumens (L <sub>100</sub> )*	244
Delivered lm/Circuit W**	27
Source LED lm/m	937
Source lm/W	104/1
Forward voltage (V <sub>100</sub> )	24V
CRI	90
Colour consistency	2 SDCM
LOR	0.26
UGR rating ('downlight' mounted)	20.2
BUG rating ('downlight' mounted)	B0-U0-G0
TM30	RF91.4   RG100.6
LED lifetime (25° ambient)	L80B50 at 50,000hrs
Applications	   

These values are based around a LF04S-T-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	-14%
2400K	-9%
2700K	-6%
3000K	0%
4000K	10%
5000K	5%

## MECHANICAL

Ambient temperature	-20°C to 45°C*	
Minimum bend radius	Side	15mm
Materials	Silicon, Copper	
Weight of product (per m)	85g	
IP rating	IP54	
IK rating	IK03	
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	1.4

LINEAR FLEX RANGE OVERVIEW

	LF04S-T	LF10D	LF16D	LF20D
				
<b>Size</b>	4mm x 8mm	10mm x 10mm	16mm x 16mm	20mm x 20mm
<b>Applications</b>	<ul style="list-style-type: none"> <li>&gt; Recessed into joinery</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Exterior</li> <li>&gt; Architectural &amp; Facade</li> <li>&gt; Cove &amp; Contour</li> <li>&gt; Wet niche curved applications, which are not suitable for rigid profiles</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Exterior</li> <li>&gt; Architectural &amp; Facade</li> <li>&gt; Cove &amp; Contour</li> <li>&gt; Wet niche curved applications, which are not suitable for rigid profiles</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Exterior</li> <li>&gt; Architectural &amp; Facade</li> <li>&gt; Cove &amp; Contour</li> <li>&gt; Wet niche curved applications, which are not suitable for rigid profiles</li> </ul>
<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>Rigid Version</b>	N/A	<p><b>LR12</b></p> 	<p><b>LR17</b></p> 	<p><b>LR20</b></p> 

## 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 1mm 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 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. Flexible and Rigid options share the same light engines, allowing continuous lines of light that sit discreetly within the architecture and maintain design integrity.

### Install-Ready

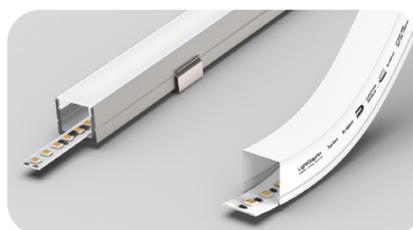
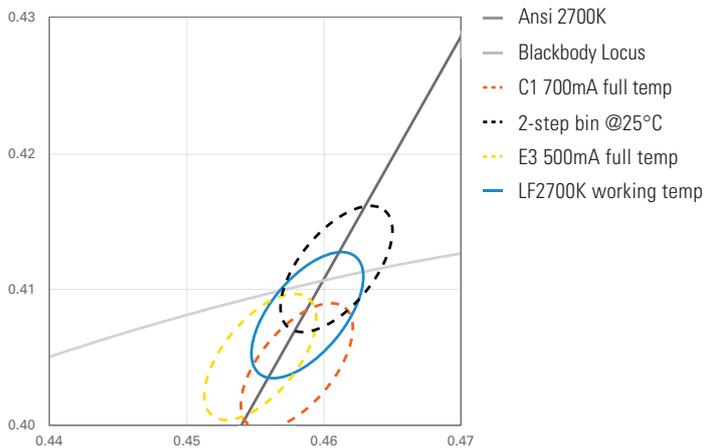
Engineered, assembled, and tested through our UK operations for dependable performance and rapid turnaround. Custom lengths, pre-moulded connections, and a 5-year warranty reduce on-site work, minimise risk, and ensure every luminaire arrives ready to install.

## 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

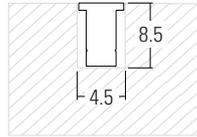
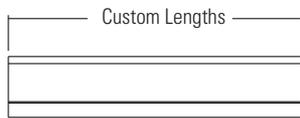
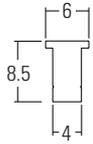


## DIMENSIONS AND FIXING ACCESSORIES

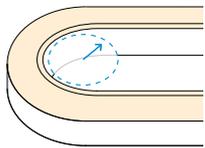
Dimensions in mm

### LF04S-T

Available in specifiable lengths at 1mm increments from 300mm to 5000mm.



## MINIMUM BEND RADIUS



Side Bend Radius  
15mm

## ORDER CODES & OPTIONS

Example: LF04S-T-9W/927/5000mm

Light Engine & Drive Current

LED Colour

Length (5000mm Max)



White

24V 9W/m

LF04S-T-9W

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

### 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.