

Light Projects^{LP}

Light Projects Group



LEDBar Linear LED System



Selfridges & Co - Lighting Design : PJC Light Studio



Prince Edward Theatre - Lighting Design : Pritchard Themis



Residence & Gallery - Lighting Design : Inside Out Architecture

Light Projects LEDBar Range

LEDBar is a family of linear LED systems designed to enhance architectural details, objects and spaces. The family is ideal for both interior and exterior applications in commercial, residential, retail & hospitality sectors. LEDBar is a simple lighting solution ensuring a consistent quality of light.

LEDBar StatFlux

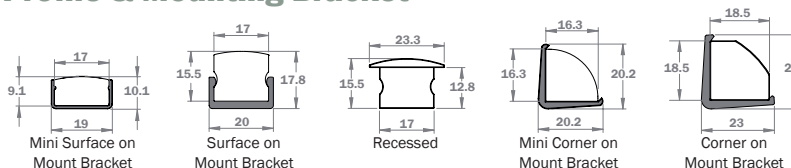
StatFlux is a compact, high CRI surface mounted system for interior use, ideal for coves, accent lighting and joinery, it is available in five profiles to best suit the application.

LEDBar CrossFlux

CrossFlux is a surface mounted system with the capability of altering its colour temperature via DMX, ranging from a warm 2600K to a very cool 6700K. Perfect for scene setting in residential environments, seasonal retail displays, decorative and day light enhancements.

StatFlux & CrossFlux profiles can be manufactured in custom lengths to fit location and provide a continuous line of light. See data pages for PCB module and standard profile length increments. For direct viewing, an opal cover provides a homogeneous line of light. LEDBars must be installed using the mounting brackets provided to ensure sufficient space for thermal management and fulfil terms of the guarantee.

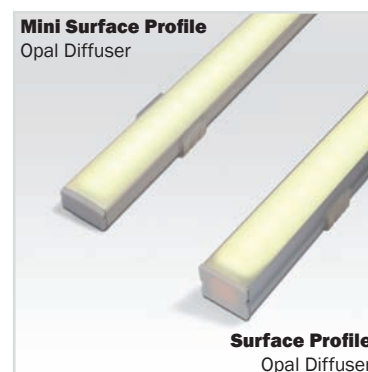
Profile & Mounting Bracket



Profiles

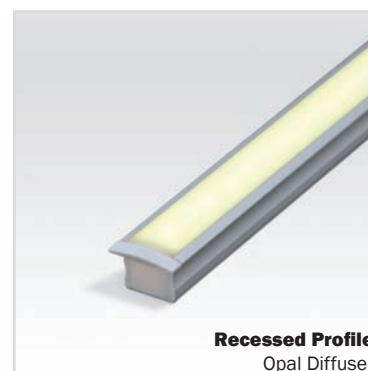
Mini Surface Profile

Opal Diffuser



Surface Profile

Opal Diffuser



Recessed Profile

Opal Diffuser



Corner Profile

Opal Diffuser

Mini Corner Profile

Opal Diffuser

StatFlux & CrossFlux Accessories

Power Supply Units

• 30W 24Vdc	273-976-030-1
• 60W 24Vdc	273-976-060-1
• 100W 24Vdc	273-976-100-1

Dimmers

• CrossFlux DMX Dimmer 4 channel 4A	205-074
• StatFlux Multi-input Dimmer 0-10V / 1-10V / DMX 1 x 6A	273-848
• StatFlux DALI Dimmer 1x 5A	205-029
• StatFlux 1-10V Dimmer 1 x 5A	273-243

Mounting Brackets

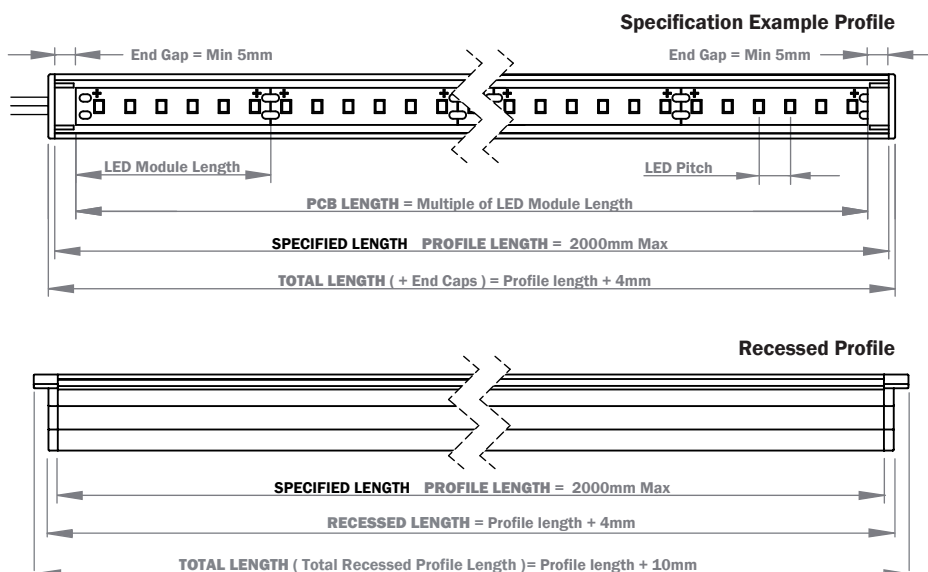
• Mini Surface Mount Bracket	4480-12906
• Surface Mount Bracket	4480-02906
• Mini Corner Mount Bracket	4480-17906
• Corner Mount Bracket	4480-07906

LEDBar StatFlux

Description: Interior White Linear LED

Features

- Silver anodised aluminium heatsink
- Custom profile lengths from 60mm to 2000mm
- Colour Temperatures: 2600K, 3000K, 4000K
- Luminous Efficacy: Up to 76lm/W
- 5 year guarantee
- LED Lifetime > 50,000Hrs
Manufacturers prediction (to L70)
- Mounting arrangement: Mounting Brackets
- Dimming Range: 0-100%
(0-10 / 1-10 / DMX / DALI)
- Supplied Wires: 1m, Twin 0.5mm² PVC
Fitted single end as standard
- High CRI ≥ 90
- To be powered with ripple-free constant voltage power supply



StatFlux is specified by profile length, this can be specified in standard lengths & precise lengths.

Standard lengths are based on the LED PCB length. Starting at 60 / 87 / 110mm (50 / 77 / 110mm PCB + 10mm min end gap) the profile increases by 50 / 77 / 110mm increments up to 2000mm. A fully filled 2000mm bar is available to make up longer runs.

Precise lengths fit specific mounting locations. The profile is specified at its maximum length to fit the predetermined space. The profile is filled by a multiple of the 50 / 77 / 110mm LED module length and centred within the profile.

When calculating the length of the LEDBar, The space required for end caps and cable entry needs to be considered. Allow a minimum of 5mm for each cable return / entry.

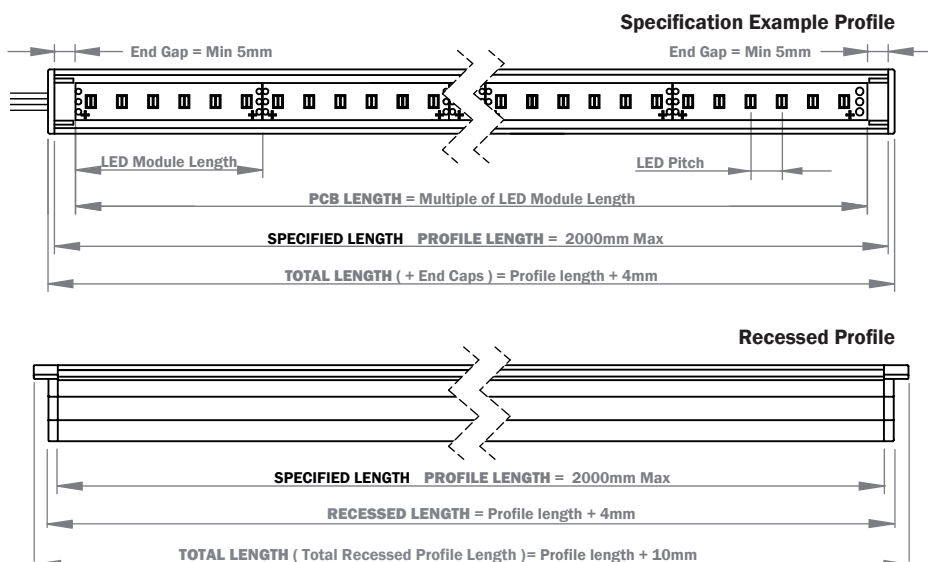


LEDBar CrossFlux

Description: Interior Tuneable White Colour Linear LED

Features

- Silver anodised aluminium heatsink in
- Custom profile lengths from 60mm to 2000mm
- Tuneable White colours: 2600K-6700K
- Luminous Efficacy: Up to 72lm/W
- 5 year guarantee
- LED Lifetime > 50,000Hrs
Manufacturers prediction (to L70)
- Mounting arrangement: Mounting Brackets
- 2 Channel DMX Addressable
- Dimming Range: 0-100%
(0-10 / 1-10 / DMX / DALI)
- Cable: 1m, 3 x 0.5mm² PVC
Fitted single end as standard
- To be powered with ripple-free constant voltage power supply



CrossFlux is specified by profile length, this can be specified in standard lengths & precise lengths.

Standard lengths are based on the LED PCB length. Starting at 60mm (50mm PCB + 10mm min end gap) the profile increases by 50mm increments up to 2000mm. A fully filled 2000mm bar is available to make up longer runs.

Precise lengths fit specific mounting locations. The profile is specified at its maximum length to fit the predetermined space. The profile is filled by a multiple of the 50mm LED module length and centred within the profile.

When calculating the length of the LEDBar, The space required for end caps and cable entry needs to be considered. Allow a minimum of 5mm for each cable return / entry.



LEDBar StatFlux Specification Table

SPECIFICATION EXAMPLE: 4480-12015-926-0510-D

LEDBar StatFlux Mini Surface IP40, Frosted Cover, 8.3mm pitch LEDs, CRI ≥ 90 Warm Incandescent 2600K, 510mm Profile Length, Profile Length (+ End Gaps) = 510mm, Double Ended wiring, PCB Length = 500mm (10 x 50mm LED Modules), Total Length (+ End Caps) = 514mm, Strip wattage = 7.2W, Strip Output = 500lm.

PRODUCT CODE EXAMPLE : 4480 - 12015 - 926 - 0510 - D

PROFILE	Surface	Recessed	Corner	Mini Surface	Mini Corner		
Code	02	03	07	12	17		
TYPE	StatFlux						
Code	0						
COVER (PMMA)	Clear	Frosted	Opal				
Code	0	1	2				
LED PITCH	LED Module length (mm)	LEDs / Modules	LEDs / m	Strip Power (W/m)	Module Power (W)	Strip Voltage (Vdc)	Code
16.7mm	100	6	60	7.2	0.72	24	3
12.8mm	77	6	78	9.4	0.72	24	4
8.3mm	50	6	120	14.4	0.72	24	5
WHITE COLOUR	CCT (K)	CRI	Lumen Output (lm/m)			Code	
			16.7mm Pitch	12.8mm Pitch	8.3mm Pitch		
Warm Incandescent	2600	≥90	530	700	1000	926	
Warm White	3000		530	700	1000	930	
Cool White	4000		550	720	1100	940	
PROFILE LENGTH		16.7mm Pitch	12.8mm Pitch	8.3mm Pitch			
Minimum (mm)		110	87	60			
Maximum (mm)		2000	2000	2000			
Code Example - 10 Modules + min End Gaps		1010	0780	0510			
Max length in single wired run (mm)		5000	5000	5000			
WIRING	Single Ended	Double Ended					
Code	S	D					

LEDBar CrossFlux Specification Table

SPECIFICATION EXAMPLE: 4480-12210-90C-0510-D

LEDBar CrossFlux Mini Surface IP40, Frosted Cover, 8.3mm pitch LEDs, CRI ≥ 90, 2600K to 6700K, 510mm Profile Length, Profile Length (+ End Gaps) = 510mm, Double Ended Wiring, PCB Length = 500mm (10 x 50mm LED Modules), Total Length (+ End Caps) = 514mm, Strip wattage = 2 x 4.8W, Strip Output = Up to 570lm.

PRODUCT CODE EXAMPLE : 4480 - 12210 - 90C - 0510 - D

PROFILE	Surface	Recessed	Corner	Mini Surface	Mini Corner					
Code	02	03	07	12	17					
TYPE	CrossFlux									
Code	2									
COVER (PMMA)	Clear	Frosted	Opal							
Code	0	1	2							
LED PITCH 8.3mm	LED Module length (mm)	LEDs / Modules	LEDs / m	Strip Power (W/m)	Module Power max (W)	Strip Voltage (Vdc)	Code			
	50	6	120	2 x 9.6	0.96	24	0			
COLOUR MIX	Low CRI LEDs	CCT (k)	CRI	Max Lumen Output (lm/m)	Code	High CRI LEDs	CCT (k)	CRI	Max Lumen Output (lm/m)	Code
		2600	≥80	550	80C		2600	≥90	540	90C
		4500		1250			4500		1140	
		6700		700			6700		600	
PROFILE LENGTH										
Minimum (mm)					60					
Maximum (mm)					2000					
Code Example - 10 Modules + minimum End Gaps					0510					
Max length in single wired run (mm)					5000					
WIRING		Single Ended	Double Ended							
Code		S	D							



Aspinall of London - Lighting Design : GPStudio



Princes Square - Lighting Design : Buro Happold Lighting
Facade Design : 360 Architecture/Timorous Beasleys
Photography : Morris & Spottiswood

Profiles



LEDBar Nano

Nano is the slimmest profile in the LEDBar range, the compact design allows for easy installation within confined spaces and the robust aluminium heatsink provides excellent thermal management. Numerous LED pitch & white colour temperature options address a variety of architectural applications. RGB & other colour options available.

LEDBar Mini

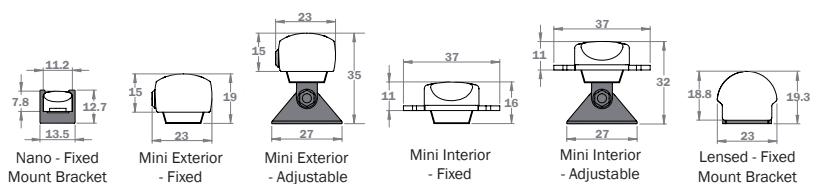
Mini Exterior includes a UV stable IP66 clear or frosted casing designed for exterior use. **Mini Interior** includes a clear or frosted cover designed for interior use.

The incorporated aluminium heatsink of the Mini Exterior and Interior profiles ensure a high efficacy and lumen output. Minimised end caps allow bars to be mounted in close linear lines to provide minimal shadow gaps for continuous illumination. LEDBar Mini is available in a range of white colours temperatures, static colours and RGB.

LEDBar Lensed

Lensed is designed for interior and exterior use in IP53 or IP66 versions. Available with a 30° or 60° optical lens with a frosted option for softer edges, Lensed is ideal for highlighting facades and linear features. A range of white colour temperature options are available to suit a variety of applications. LEDBar Lensed can be manufactured to bespoke lengths to ensure a best fit solution.

Profile & Mounting Bracket



Accessories

Mounting Brackets

- Nano Fixed Mount Bracket 4286-0901
- Mini Fixed Mount Bracket 4286-1901
- Mini Adjustable Mount Bracket 4286-1902
- Lensed Fixed Mount Bracket 4286-2901

Power Supply Units

- 20W 24Vdc 273-880
- 30W 24Vdc 273-881
- 60W 24Vdc 273-849
- 100W 24Vdc 273-811
- 150W 24Vdc 273-850
- 240W 24Vdc 273-858

Single channel Dimmers

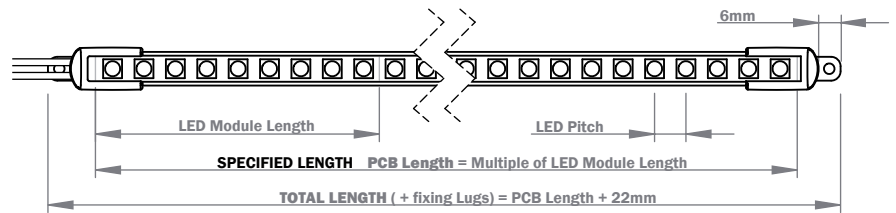
- Multi (0-10V/1-10V/DMX) 1 x 6A 273-848
- DALI 1 x 5A 205-029
- 1-10V 1 x 5A 273-243

LEDBar Nano

Description: Slim Interior Linear LED

Features

- Silver anodised aluminium heatsink
- Custom lengths from 97mm to 2022mm
- 5 White colour temperatures as standard
- Luminous Efficacy: Up to 109lm/W
- 3 year guarantee
- LED Lifetime > 40,000Hrs (to L70)
- Mounting arrangement: Mounting brackets Plus Adhesive Tape & Fixing Lugs
- Dimming options available (0-10 / 1-10 / DMX / DALI)
- Supplied Wires: 1m, 2 x single 0.5mm² PVC, Fitted both ends as standard
- Static colours and RGB available



LEDBar Nano is specified by PCB Length based on multiples of LED Module length. Total length includes fixing lugs.

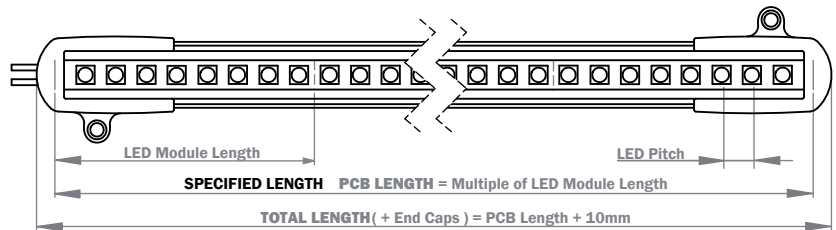


LEDBar Mini interior

Description: Interior Linear LED

Features

- Silver anodised aluminium heatsink
- Custom lengths from 77mm to 2010mm
- 5 White colour temperatures as standard
- Luminous Efficacy: Up to 90lm/W
- 3 year guarantee
- LED Lifetime > 40,000Hrs (to L70)
- Mounting arrangement: Fixed or Adjustable Mounting brackets plus Adhesive Tape & Fixing Lugs
- Dimming options available (0-10 / 1-10 / DMX / DALI)
- Supplied Wires: 1m, 2 x Single core 0.5mm² PVC, Fitted both ends as standard
- Static colours and RGB available



LEDBar Mini IP40 is specified by PCB Length based on multiples of LED Module length. Total length includes End Caps.

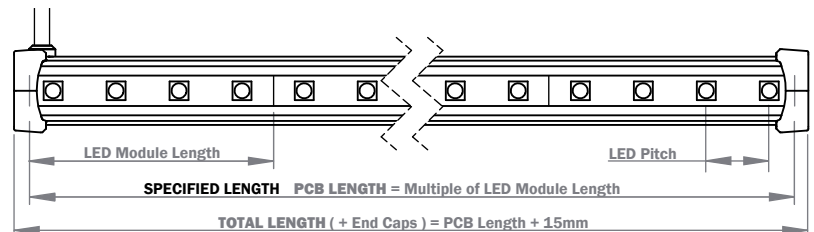


LEDBar Mini Exterior

Description: Exterior Linear LED

Features

- Aluminium heatsink in plastic casing.
- Custom lengths from 82mm to 2015mm
- 5 White colour temperatures as standard
- Luminous Efficacy: Up to 90lm/W
- 3 year guarantee
- LED Lifetime > 40,000Hrs (to L70)
- Mounting arrangement: Fixed or Adjustable Mounting brackets.
- Dimming options available (0-10 / 1-10 / DMX / DALI)
- Supplied Wires: 1m, 2 core 0.2mm² PVC, Fitted one end as standard
- Static colours and RGB available



LEDBar Mini IP66 is specified by PCB Length based on multiples of LED Module length. Total length includes End Caps.

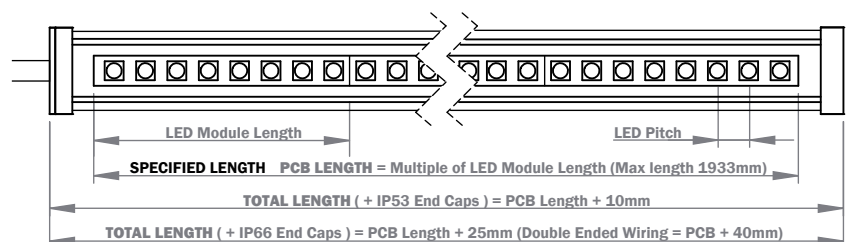


LEDBar Lensed

Description: Lensed Exterior Linear LED

Features

- Silver anodised aluminium heatsink
- Custom lengths from 77mm to 1973mm
- 5 White colour temperatures as standard
- Luminous Efficacy: Up to 90lm/W
- 3 year guarantee
- LED Lifetime > 40,000Hrs (to L70)
- Mounting arrangement: Fixed Mounting Brackets
- Dimming options available (0-10 / 1-10 / DMX / DALI)
- Supplied Wires: 1mm - fitted one end as standard. IP53 - 2 x single core 0.5mm² PVC IP66 - 2 core 0.75mm² PVC
- Static colours available



LEDBar Lensed is specified by PCB Length based on multiples of LED Module Length. Total length includes End Caps.



LEDBar Nano Specification Table

SPECIFICATION EXAMPLE: 4286-0014-930-0750-D

Nano LEDBar with IP53 UV stable conformal coating, 8.3mm Pitch LEDs, ≥90 CRI Warm White 3000K, 750mm PCB Length (10 x 75mm LED Modules), Double Ended wiring. Total Length (with fixing lugs) = 772mm, Strip wattage = 12.53W, Strip Output = 985lm.

PRODUCT CODE EXAMPLE : 4286 - 0014 - 930 - 0750-D

LED PITCH	LED Module length (mm)	LEDs / Modules	LEDs / m	Strip Power (W/m)		Module Power (W)		Strip Voltage (Vdc)	Code
				CRI ≥80	CRI ≥90	CRI ≥80	CRI ≥90		
40mm	80	6	25	5.5	5.5	0.44	0.44	24	0
18.75mm	150	8	53.3	11	11	1.65	1.65	24	2
8.3mm	75	9	120	16.7	16.7	1.25	1.25	24	4

COLOUR	CCT (K)	CRI	Lumen Output (lm/m)			Code	High CRI LEDs	CRI	Lumen Output (lm/m)			Code
			40mm	18.75mm	8.3mm				40mm	18.75mm	8.3mm	
Warm Incandescent	2600	≥80	390	840	1175	826		≥90	360	780	1090	926
Incandescent White	2800		420	935	1300	828			390	865	1205	928
Warm White	3000		460	1020	1415	830			425	945	1315	930
Neutral White	4000		490	1080	1500	840			465	1025	1425	940
Cool White	5700		550	1200	1665	857			522	1140	1580	957

PCB Length		40mm Pitch	18.75mm Pitch	8.3mm Pitch
Minimum (mm)		80	150	75
Maximum (mm)		2000	1800	1800
Code Example - 10 Modules		0800	1500	0750
Maximum length in single wired run (mm)		4000	3600	1800

WIRING	Single Ended	Double Ended
Code	S	D

LEDBar Mini & Lensed Specification Table

SPECIFICATION EXAMPLE: 4286-1044-930-0667-S

Mini LEDBar Exterior with IP66 UV stable conformal coating and clear Acrylic Housing, 8.3mm Pitch LEDs, ≥90 CRI Warm White 3000K, 667mm PCB Length (10 x 66.7mm LED Modules), Single Ended wiring. Total length (+ End Caps) = 682mm, Strip wattage = 13.3W, Strip Output = 945lm.

PRODUCT CODE EXAMPLE : 4286 - 1044 - 930 - 0667 - S

LEDBar Profile		30°		60°		120°	
		Clear	Frosted	Clear	Frosted	Clear	Frosted
LEDBar Mini Interior	Code					102	103
LEDBar Mini Exterior						104	105
LEDBar Lensed IP53		206	207	208	209		
LEDBar Lensed IP66		216	217	218	219		

LED PITCH	LED Module length (mm)	LEDs / Modules	LEDs / m	Strip Power (W/m)		Module Power (W)		Strip Voltage (Vdc)	Code
				CRI ≥80	CRI ≥90	CRI ≥80	CRI ≥90		
16.7mm	66.7	4	60	12	12	0.8	0.8	24	3
8.3mm	66.7	8	120	20	20	1.33	1.33	24	4

COLOUR	CCT (K)	CRI	Lumen Output (lm/m)		Code	High CRI LEDs	CRI	Lumen Output (lm/m)		Code
			16.7mm	8.3mm				16.7mm	8.3mm	
Warm Incandescent	2600	≥80	760	1260	826		≥90	720	1170	926
Incandescent White	2800		840	1400	828			795	1300	928
Warm White	3000		910	1530	830			860	1420	930
Neutral White	4000		970	1620	840			900	1535	940
Cool White	5700		1080	1800	857			1025	1710	957

PCB Length		16.7mm Pitch	8.3mm Pitch
Minimum (mm)		67	67
Maximum (mm)		2000	2000
Code Example - 10 Modules		0667	0667
Maximum length in single wired run (mm)		4200	3000

WIRING	Single Ended	Double Ended
Code	S	D

Green Line Products

The 'Green Line Products' Collection from the Light Projects Group comprises several ranges of fittings and accessories which have been carefully selected for their high energy efficiency coupled with long life, low maintenance and low life-cycle costs.

Many of the new light sources can save up to 90% energy when compared to traditional incandescent light fittings as they use the latest technology available to provide quality light distribution for a fraction of the running cost.

The guarantee period for Light Projects Ltd products is three or five years. Products with an LED lifetime of greater than or equal to 50,000 hours of operation, a five year guarantee is provided. On products with an LED lifetime of less than 50,000 hours of operation, a three year guarantee is provided.

The guarantee provided is against manufacturing and material defects when installed according to the product specification and used under recommended working conditions. Full details are available on request.

Other ranges in the Green Line collection include: **ArtLED** Gallery & Museum Spotlights
LEDStar Interior & Exterior LED Spotlights
LEDFlux Architectural Floodlights
Cove Link T5 Linear Fluorescent System

Environmental Policy

The Light Projects Group has a clear intention and commitment to improving its environmental performance with a view to reducing its ecological footprint and impact. This includes:

- Making effective use of all resources, particularly by embracing the waste and recycling industries wherever possible.
- Maximising the use of recoverable materials.
- Increasing business recycling rates.
- Seeking ways to minimise power and water usage.
- Reducing CO2 emission levels and other polluting factors.
- Using only CE compliant components and, wherever possible, sourcing products from ISO14001 accredited companies.
- Promoting ethical and environmental excellence throughout the design, manufacture and supply chain.
- Delivering all materials in the most sustainable manner possible.
- Developing 'future-proof' products wherever possible to allow for compatibility with emerging technologies.

Light Projects Group

LEDBar is just one of the products in the **Light Projects** lighting range from the Light Projects Group.

Visit www.lightprojects.co.uk to find information on further products.

Light Projects specialist interior & exterior range

Light Products specialist commercial range



Light Projects ^{LP}
 Light Projects Group

Light Projects is a division of the Light Projects Group of companies, London. **Product Improvements** In pursuance of the Light Projects Group policy of continuing product improvement, the products and product specifications included in this publication are liable to be modified without notice. **Trademarks** Unless otherwise indicated, the trademarks and tradenames in this publication are registered, or unregistered, industrial property rights of Light Projects Limited. **Patents** The fitting in this publication may be covered by Patents, Patent Applications and/or Design Registrations. Designed to conform to BS EN 60598. This specification sheet supersedes all previous. Please notify Light Projects Limited of any inaccuracies immediately. E&OE.
 CCT range is the nominal CCT shown $\pm 150K$. CCT data ANSI / NEMA Compliant.

Green Line Products ^P