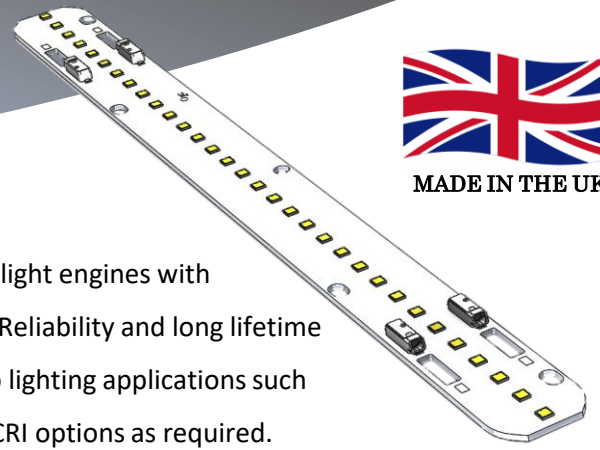


Pro-LED Linear

Zhaga Format LED Light Engines



MADE IN THE UK



Pro-LED Linear LED light engines are a range of Zhaga compliant LED linear light engines with configurable options to suit application, output and efficacy requirements. Reliability and long lifetime are achieved through enhanced thermal management of the PCB. Suited to lighting applications such as retail, high bay or office lighting and available in a full range of CCT and CRI options as required.

Benefits

- Available as Standard, High Performance or Premium
- Suitable for SELV or non-SELV applications
- Push fit wire connectors – front or rear facing
- Insulated metal substrate printed circuit board for superior thermal management

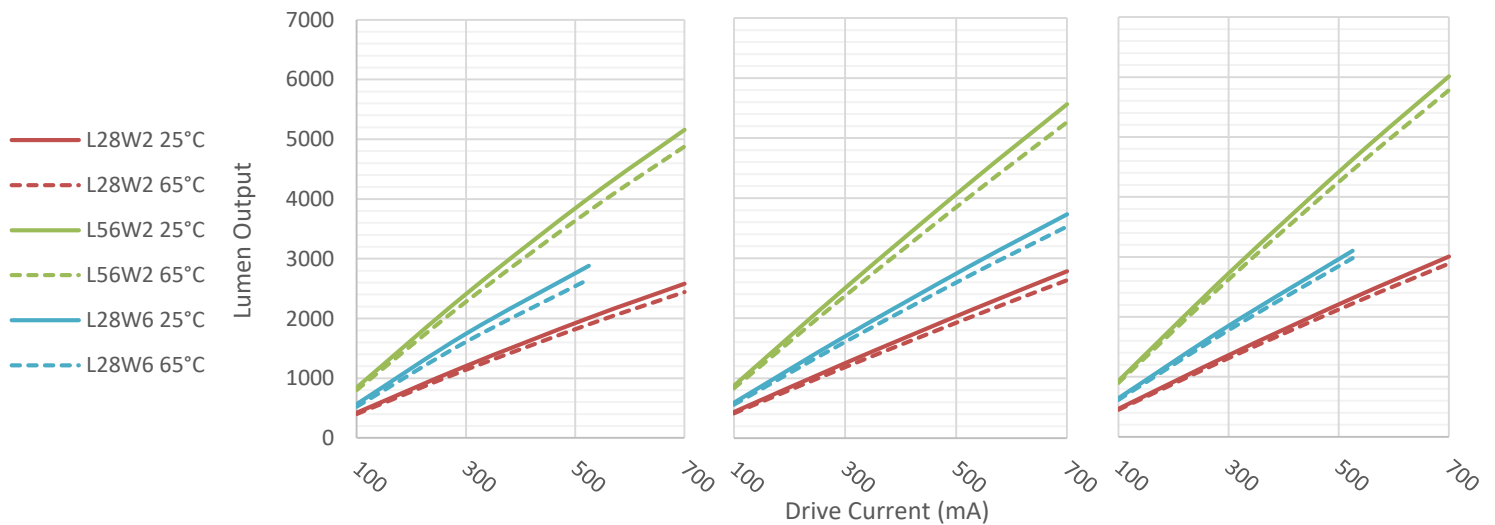
Application

- Compliant with Zhaga Book 7 Geometry – L28W2, L56W2 or L28W6
- Can be screwed in place or supplied with pre-applied thermally conductive Bondline 700 for mechanical attachment
- Option of Unicoat 120 protective coating
- Suitable for interior lighting applications

Characteristics

Typical characteristics for a 4000k 80CRI module at $T_j = 25^\circ\text{C}$ at stated drive current*

	Standard			High Performance			Premium		
	L28W2	L56W2	L28W6	L28W2	L56W2	L28W6	L28W2	L56W2	L28W6
Flux <i>lm</i>	720	1440	1110	1440	2890	1140	2000	4000	1100
Forward Voltage <i>V</i>	23.0	45.9	32.5	23.0	45.9	31.0	22.6	45.1	29.9
Drive Current <i>mA</i>	175	175	200	350	350	200	450	450	175
Power Consumption <i>W</i>	4.0	8.0	6.5	8.0	16.1	6.2	10.2	20.3	5.2
Efficacy <i>lm/W</i>	180	180	171	180	180	185	197	197	210



* Figures stated are nominal and subject variation with bin tolerances, colour temperature and CRI. Contact Universal Science for specific details and design-in application notes.

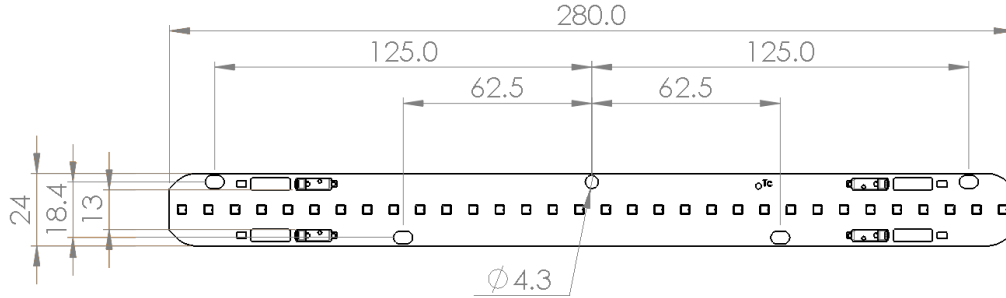
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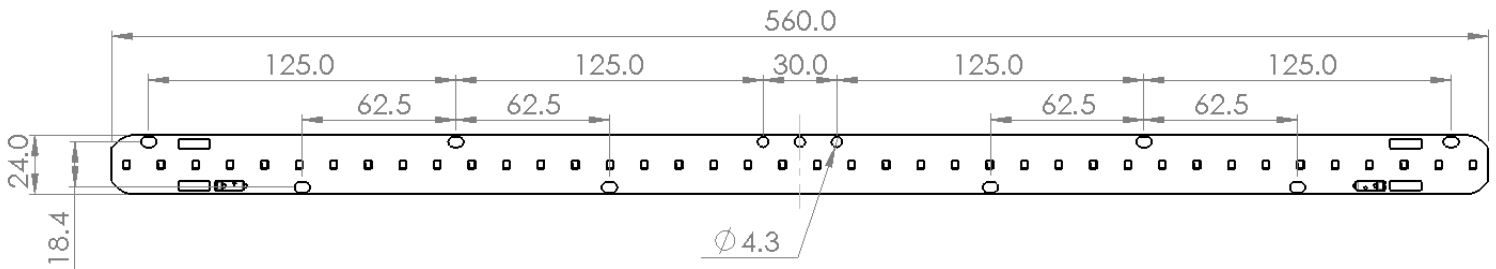
Outline Dimensions

CAD files available on request.

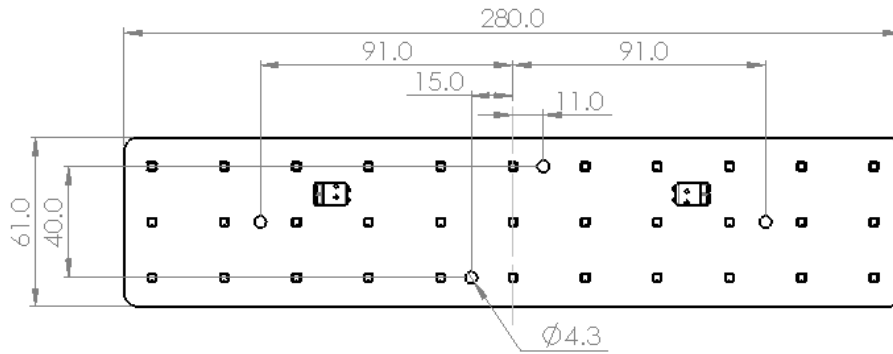
L28W2



L56W2



L28W6



Ordering Information

Brand	Performance Tier	CCT	CRI	Geometry	Wire-in Side	Extras	Code:
Example: USL	S	30	9	562	F	B	USLS309562FB
Universal Science - USL	Standard - S	2700k - 27	80CRI - 8	L28W2 - 282	Front - F	Unicoat 120 - U	
Bespoke - **	High Performance - H	3000k - 30	90CRI - 9	L56W2 - 562	Rear - R	Bondline 700 - B	
	Premium - P	3500k - 35		L28W6 - 286		Bondline + Unicoat - BU	
		4000k - 40					
		5000k - 50					
		5700k - 57					
		6500k - 65					

** Contact Universal Science for bespoke branding opportunities