



for

LED



EtraLED

EtraLED-VOS-13020 Vossloh Schwabe Modular Passive Star LED Heat Sink Φ 130mm

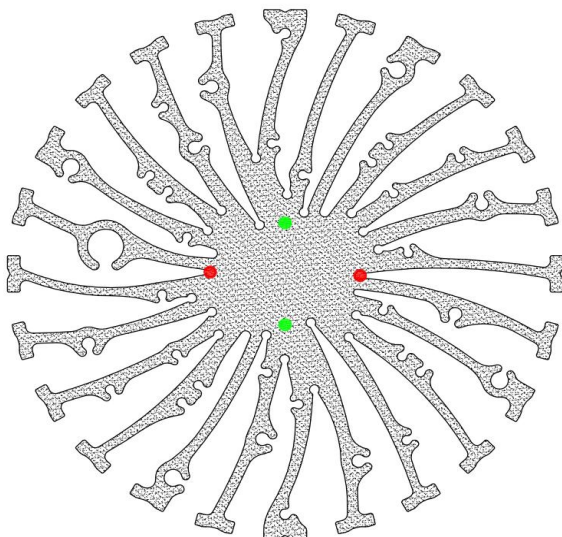
Features VS Benefits

- * The EtraLED-VOS-13020 Vossloh-Schwabe Modular Passive Star LED Heat Sinks are specifically designed for luminaires using the Vossloh-Schwabe LED engines.
- * Mechanical compatibility with direct mounting of the LED engines to the LED cooler and thermal performance matching the lumen packages.
- * For spotlight and downlight designs from 1500 to 5000 lumen.
- * Thermal resistance range R_{th} 1.1°C/W.
- * Modular design with mounting holes foreseen for direct mounting of Vossloh-Schwabe LUGA Shop and LUGA C LED engines.
- * Diameter 130mm - standard height 20mm Other heights on request.
- * Extruded from highly conductive aluminum.



Zhaga LED engine and radiator assembly is a unified future international standardization

- * Below you find an overview of Vossloh-Schwabe COB's and LED modules which standard fit on the EtraLED Star LED Heat Sinks.
- * In this way mechanical after work and related costs can be avoided, and lighting designers can standardize their designs on a limited number of Star LED Heat Sinks.



Vossloh-Schwabe LED engines for which Zhaga book3 LED Modules holders are available.

For the LUGA Shop 2014 Module.

- WU-M-484-827;
- WU-M-484-830;
- WU-M-484-835;
- WU-M-484-840;
- WU-M-485-827;
- WU-M-485-830;
- WU-M-485-835;
- WU-M-485-840;
- WU-M-486-827;
- WU-M-486-830;
- WU-M-486-835;
- WU-M-486-840;

For the LUGA Shop 2014 PW Module.

- WU-M-484-831-PW;
- WU-M-485-831-PW;
- WU-M-486-831-PW;

For the LUGA Shop 2014 HiCRI LED Module.

- WU-M-484-927;
- WU-M-484-930;
- WU-M-484-935;
- WU-M-484-940;
- WU-M-485-927;
- WU-M-485-930;
- WU-M-485-935;
- WU-M-485-940;
- WU-M-486-927;
- WU-M-486-930;
- WU-M-486-935;
- WU-M-486-940;

For the LUGA Shop 2014 PW Module.

- WU-M-484-931-PW;
- WU-M-485-931-PW;
- WU-M-486-931-PW;

Zhaga Book3 Green indicator marks:
Direct mounting with machine screws M3x8mm;

Tel:+86-769-39023131
 E-fax:+86-(020)28819702 ext:22122
 Email:sales@mingfatech.com
 Http://www.heatsinkled.com
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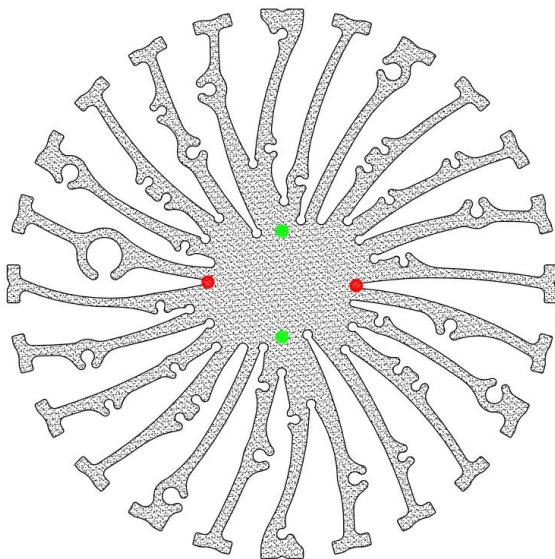
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Vossloh-Schwabe LED engines for which Zhaga book3 LED Modules holders are available.

For the LUGA Shop 2014 FOOD LED engines and the holder.

- WU-M-486-Ga30;
- WU-M-486-Ga40;
- WU-M-486-Meat;
- WU-M-486-SMeat;

For the LUGA C 2015 LED engines.

(AAG.STUCCHI holder:8101-G2); (BJB holder:47.319.2021.50);

- DMC104Cxxx;
- DMC115Cxxx;
- DMC118Cxxx;

For the LUGA Shop 2014 PCB LED engines and the holder.

- DMS088C27E1;
- DMS088C30E1;
- DMS088C35E1;
- DMS088C40E1;
- DMS158C27E1;
- DMS158C30E1;
- DMS158C35E1;
- DMS158C40E1;
- DMS128C27E1;
- DMS128C30E1;
- DMS128C35E1;
- DMS128C40E1;

For the LUGA Shop 2014 PCB PW LED engines and the holder.

- DMS088C31EP1;
- DMS128C31EP1;
- DMS158C31EP1;

For the LUGA Shop 2014 PCB HiCRI LED engines and the holder.

- DMS088D27E1;
- DMS088D30E1;
- DMS088D35E1;
- DMS088D40E1;
- DMS158D27E1;
- DMS158D30E1;
- DMS158D35E1;
- DMS158D40E1;
- DMS128D27E1;
- DMS128D30E1;
- DMS128D35E1;
- DMS128D40E1;

For the LUGA Shop 2014 PCB PW LED engines and the holder.

- DMS088D31EP1;
- DMS128D31EP1;
- DMS158D31EP1;

For the LUGA Shop 2014 PCB FOOD LED engines and the holder.

- DMS158G30E1;
- DMS158G40E1;
- DMS158P40E1;
- DMS158P19E1

Zhaga Book3 Red indicator marks:

Direct mounting with machine screws M3x8mm;

Please refer to the "www.vossloh-schwabe.com" data provided on the manual.



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Mounting Options and Drawings & Dimensions



Example: EtraLED -VOS-13020-B-3

Example: EtraLED -VOS-13020 **1** - **2** - **3**

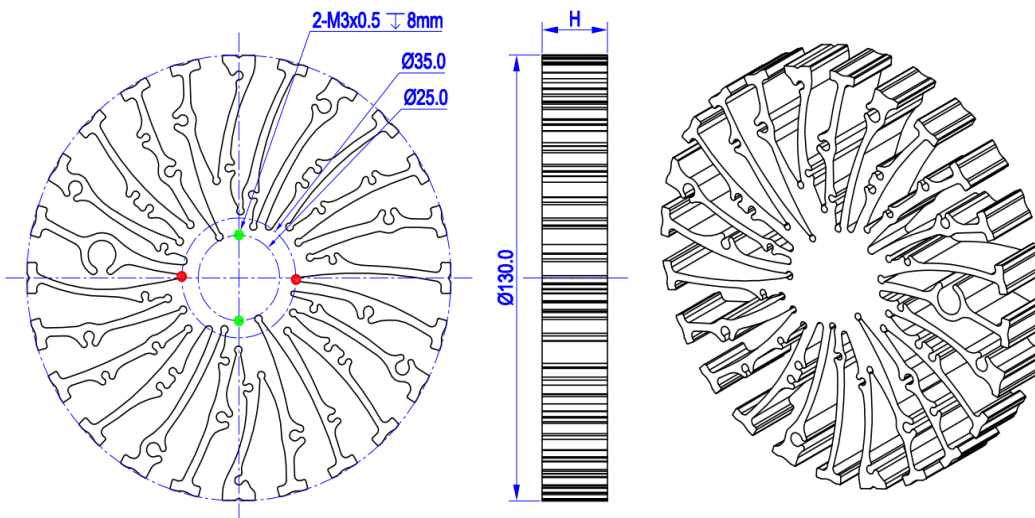
- 1** Height (mm)
- 2** Anodising Color
 - B-Black
 - C-Clear
 - Z-Custom
- 3** Mounting Options - see graphics for details Combinations available
 - Ex.order code - 12
 - means option 1 and 2 combined

Notes:

- Mentioned models are an extraction of full product range.
- For specific mechanical adaptations please contact MingfaTech.
- MingfaTech reserves the right to change products or specifications without prior notice.



MOUNTING OPTION	Module type	Holder NO.	THREAD	THREAD DEPTH	THREAD HOLE DISTANCE
1	LUGA C	BJB (47.319.6060.50)	M3	8mm	25.0mm/ 2-@180°
		AAG.STUCCHI (8100-G2)			
2		BJB (47.319.2021.50)	M3	8mm	35.0mm/ 2-@180°
		AAG.STUCCHI (8101-G2)			
	LUGA Shop 2014 PCB	Vossloh-Schwabe			
	LUGA Shop 2014	/			



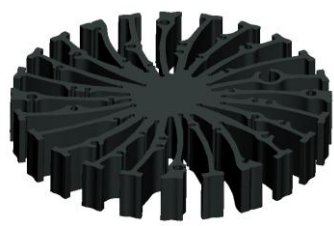
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The thermal data table

	 <i>EtraLED-13020</i>
Model No.	EtraLED-VOS-13020
Size	Φ 130xH20mm
Material	AL6063-T5
Finish	Black Anodized
Weight(gr)	274.0
Thermal Wattage	42.0W
HeatsinkΘs-a²	68964
Heat Sink T Rise Above Ambient	1.1

Dissipated Power Pd(W)	Pd = Pe x (1- η L)	Heat sink to ambient thermal resistance Rhs-amb ($^{\circ}$ C/W)	Heat sink to ambient temperature rise Ths-amb ($^{\circ}$ C)
		EtraLED-VOS-13020	EtraLED-VOS-13020
10		1.9	15
20		1.7	26
30		1.6	37
40		1.5	45
50		1.4	54

