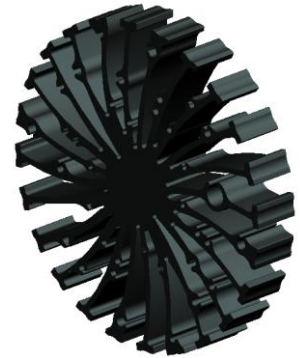


**Features VS Benefits**

- \* The EtraLED-SHA13020 Sharp Modular Passive Star LED Heat Sinks are specifically designed for luminaires using the Sharp 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 4500 lumen.
- \* Thermal resistance range  $R_{th}$  1.1°C/W.
- \* Modular design with mounting holes foreseen for direct mounting of SHARP Mini Zenigata , Intermo and Mega Zenigata LED engines.
- \* Diameter 130mm - standard height 20mm Other heights on request.
- \* Extruded from highly conductive aluminum.



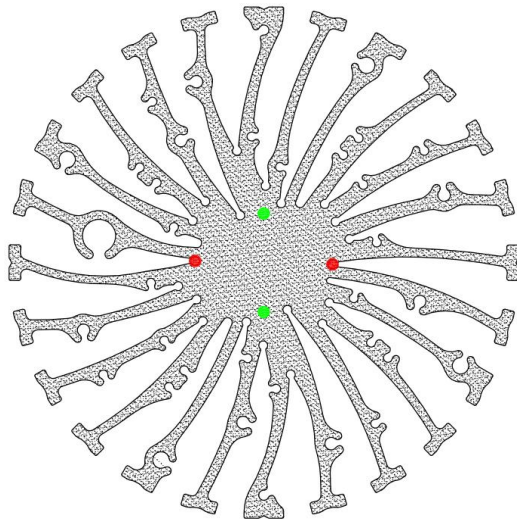
**Zhaga LED engine and radiator assembly is a unified future international standardization**

- \* Below you find an overview of Sharp engines 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.

**SHARP**

**BJB**

**TE**  
connectivity



**Sharp LED engines Mounting Options**

**Mega Zenigata LED modules name:**

- |              |              |
|--------------|--------------|
| GW6DGA27XFC; | GW6DMC27XFC; |
| GW6DGA30XFC; | GW6DMC30XFC; |
| GW6DGA40XFC; | GW6DMC40XFC; |
| GW6DGA50XFC; | GW6DMC50XFC; |
| GW6DMA27XFC; | GW6DGC27XFC; |
| GW6DMA30XFC; | GW6DGC30XFC; |
| GW6DMA40XFC; | GW6DGC40XFC; |
| GW6DMA50XFC; | GW6DGC50XFC; |

Zhaga Book3 connector:  
BJB Spotlight connector:47.319.2011.50; TE Connectivity:2213130-2;  
Mounting with machine screws M3x8mm;  
Red indicator marks

**Intermo LED modules name:**

**For the Standard LED modules:**

- GW7MMC30GZC;
- GW7MGD30GZC;
- GW7MMC40GZC;
- GW7MGD40GZC;

**For the Slim LED modules:**

- GW7MMC30GSC;
- GW7MGD30GSC;
- GW7MMC40GSC;
- GW7MGD40GSC;

Zhaga Book3 connector:  
BJB Spotlight connector:47.319.2011.50; TE Connectivity:2213130-2;  
Mounting with machine screws M3x8mm;  
Red indicator marks

**Mini Mega Zenigata LED modules name:**

- |              |              |
|--------------|--------------|
| GW6BMR27HED; | GW6BGR27HED; |
| GW6BMR30HED; | GW6BGR30HED; |
| GW6BMR40HED; | GW6BGR40HED; |
| GW6BMR50HED; | GW6BGR50HED; |
| GW6BMS27HED; | GW6BGS27HED; |
| GW6BMS30HED; | GW6BGS30HED; |
| GW6BMS40HED; | GW6BGS40HED; |
| GW6BMS50HED; | GW6BGS50HED; |

Zhaga Book11 connector :  
BJB Spotlight connector:47.319.6180.50;  
Direct mounting with machine screws M3x8mm;  
Green indicator marks



*EtraLED*

**EtraLED-SHA-13020 Sharp Modular Passive Star LED Heat Sink  $\Phi$ 130mm**

**Mounting Options and Drawings & Dimensions**

Example:EtraLED-SHA-13020-B-3

Example:EtraLED-SHA-130 **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.

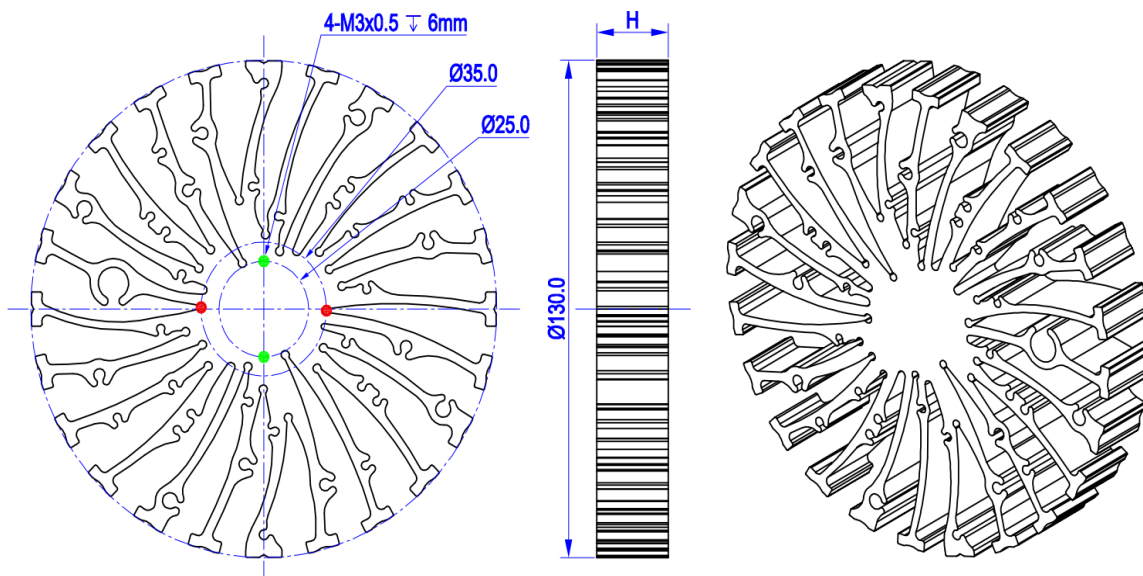
**SHARP**



**STUCCHI**  
Ideas are made of light



MOUNTING OPTION	Module type	Holder NO.	THREAD	THREAD DEPTH	THREAD HOLE DISTANCE
1	Mini ZENIGATA	BJB (47.319.6180.50)	M3	8mm	25.0mm/ @180°
2	Mega ZENIGATA	BJB (47.319.2011.50)	M3	8mm	35.0mm/ @180°
		Type (2213130-2)			
	Standard Slim	/			



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Http://www.mingfatech.com



*EtraLED*

**EtraLED-SHA-13020 Sharp Modular Passive Star LED Heat Sink  $\Phi$ 130mm**

**The thermal data table**

	 <i>EtraLED-13020</i>
<b>Model No.</b>	<b>EtraLED-SHA-13020</b>
<b>Size</b>	<b><math>\Phi</math>130xH20mm</b>
<b>Material</b>	<b>AL6063-T5</b>
<b>Finish</b>	<b>Black Anodized</b>
<b>Weight(gr)</b>	<b>274.0</b>
<b>Thermal Wattage</b>	<b>42.0W</b>
<b>HeatsinkOs-a<sup>2</sup></b>	<b>68964</b>
<b>Heat Sink T<sub>Rise</sub> Above Ambient</b>	<b>1.1</b>

Dissipated Power Pd(W)	Pd = Pe x(1-ηL)	Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise Ths-amb (°C)
		EtraLED-SHA-13020	EtraLED-SHA-13020
10		1.9	15
20		1.7	26
30		1.6	37
40		1.5	45
50		1.4	54

