



for

LED

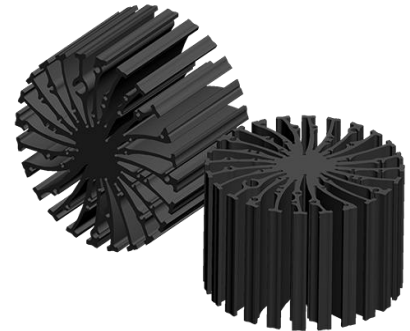


EtraLED

EtraLED-SHA-13080 Sharp Modular Passive Star LED Heat Sink  $\Phi$ 130mm

### Features VS Benefits

- \* The EtraLED-SHA-13080 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 2500 to 8500 lumen.
- \* Thermal resistance range  $R_{th}$  0.7°C/W.
- \* Modular design with mounting holes foreseen for direct mounting of SHARP Mega Zenigata LED engines.
- \* Diameter 130mm - standard height 80mm 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 LED Star LED Heat Sinks.

SHARP



### Sharp LED engines Mounting Options.

#### Mega Zenigata LED modules name:

GW6DME27XFC;  
 GW6DME30XFC;  
 GW6DME40XFC;  
 GW6DME50XFC;

GW6DGE27XFC;  
 GW6DGE30XFC;  
 GW6DGE40XFC;  
 GW6DGE50XFC;

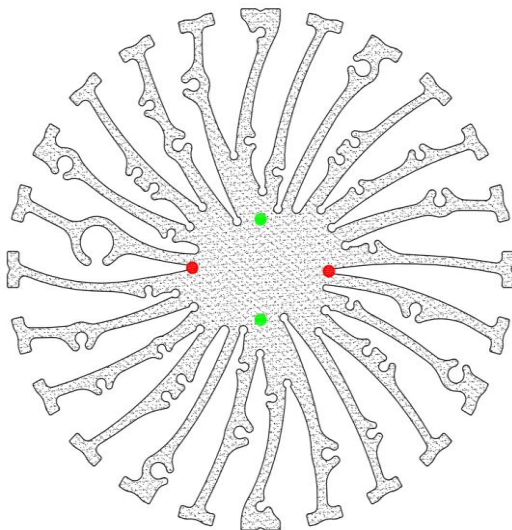
#### Zhaga Book3 connector:

BJB Spotlight connector:47.319.2011.50;

TE Connectivity:2213130-2

Mounting with machine screws M3x8mm;

Red indicator marks



Tel:+86-769-39023131

E-fax:+86-(020)28819702 ext:22122

Email:sales@mingfatech.com

Http://www.heatsinkled.com

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Mounting Options and Drawings & Dimensions

Example: EtraLED-SHA-13080-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

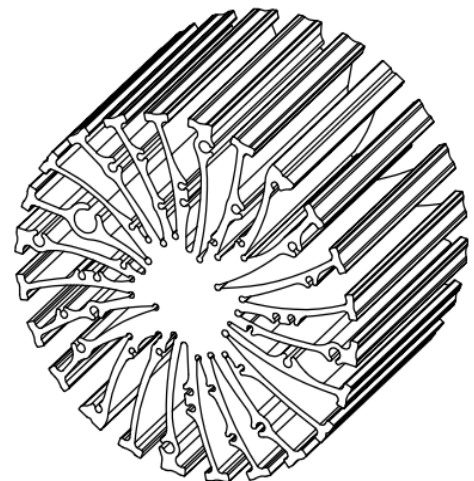
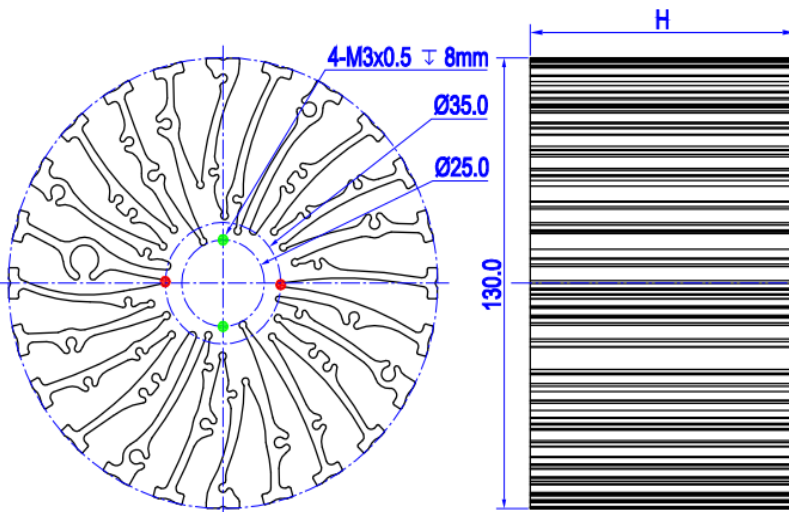
Notes:

- 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



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



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The thermal data table

|   |  |
|---|--|
|   | <br><i>EtraLED-13080</i> |
| <b>Model No.</b>                                  | <b>EtraLED-SHA-13080</b>   |
| <b>Size</b>                                       | <b><math>\Phi</math>130xH80mm</b>  |
| <b>Material</b>                                   | <b>AL6063-T5</b>   |
| <b>Finish</b>                                     | <b>Black Anodized</b>  |
| <b>Weight(gr)</b>                                 | <b>1108.0</b>  |
| <b>Thermal Wattage</b>                            | <b>70.6W</b>   |
| <b>Heatsink<math>\Theta</math>s-a<sup>2</sup></b> | <b>245462</b>  |
| <b>Heat Sink T Rise Above Ambient</b>             | <b>0.7</b>   |

|                        | Pd =<br>Pe x (1- $\eta$ L) | Heat sink to ambient thermal resistance<br>Rhs-amb ( $^{\circ}$ C/W) | Heat sink to ambient temperature rise<br>Ths-amb ( $^{\circ}$ C) |
|------------------------|----------------------------|--|--|
|                        |                            | EtraLED-SHA-13080  | EtraLED-SHA-13080  |
| Dissipated Power Pd(W) | 15                         | 1.2  | 13   |
|                        | 30                         | 1.05   | 23   |
|                        | 45                         | 0.9  | 31.5   |
|                        | 55                         | 0.8  | 37.5   |
|                        | 65                         | 0.72   | 43   |
|                        | 75                         | 0.62   | 48   |
|                        | 85                         | 0.55   | 53   |

