



for

LED

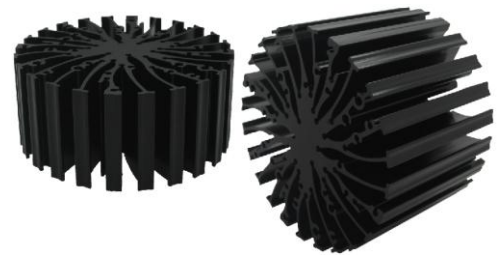


*EtraLED*

**EtraLED-PRO-9650 Prolight Modular Passive Star LED Heat Sink  $\Phi$ 96mm**

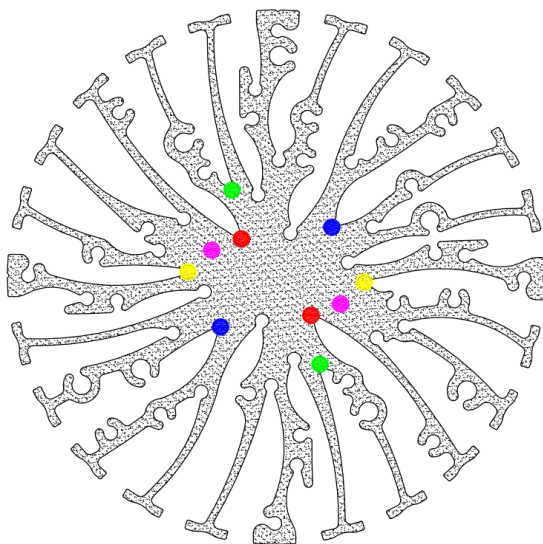
**Features VS Benefits**

- \* The EtraLED-PRO-9650 Prolight Modular Passive LED Coolers are specifically designed for luminaires using the Prolight 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 1200 to 4900 lumen.
- \* Thermal resistance range Rth 1.2°C/W.
- \* Modular design with mounting holes foreseen for direct mounting of Prolight N SERIRS CI Series, CII SERIRS, CIII SERIRS BI SERIRS and BS SERIRS engines.
- \* Diameter 96mm - standard height 50mm Other heights on request.
- \* Extruded from highly conductive aluminum.



**Prolight LED engine and radiator assembly directly Mounting Options**

- \* Below you find an overview of Prolight 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 coolers.



**Prolight COB engines Mounting Options**

**COB CI Series Modules names:**

- PACB-5xxx-xxxx ;
- PACB-7xxx-xxxx ;
- PACB-9xxx-xxxx ;

Pink indicator marks: Zhaga Book 11 BJB Holder:47.319.6060.50;  
 Green indicator marks: Zhaga Book3 BJB Holder:47.319.2040.50  
 Mounting with machine screws M3x6mm ;  
 Red indicator marks ;  
 Direct mounting machine screws M3x6mm ;

**COB CII SERIRS Modules names:**

- PACC-18xxx-xxxx ;

Blue indicator marks:  
 Direct mounting with machine screws M3x6mm;

**COB CIII SERIRS Module names:**

- PACD-40xxx-xxxx ;

Yellow indicator marks:  
 Direct mounting with machine screws M3x6mm;

**COB BI SERIRS Module names:**

- PABA-10xxx-xxxx ; PABA-26xxx-xxxx ;
- PABA-15xxx-xxxx ; PABA-35xxx-xxxx ;
- PABA-22xxx-xxxx ; PABA-50xxx-xxxx ;

Green indicator marks: Zhaga Book3 BJB Holder:47.319.2040.50;  
 Mounting with machine screws M3x6mm;  
 Blue indicator marks:  
 Direct mounting with machine screws M3x6mm;

**COB BS SERIRS Modlue names:**

- PABS-6xxx-xxxx ;
- PABS-9xxx-xxxx ;

Red indicator marks:  
 Direct mounting with machine screws M3x6mm;

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-PRO-9650-B-3

Example: EtraLED-PRO-96 **1** - **2** - **3**

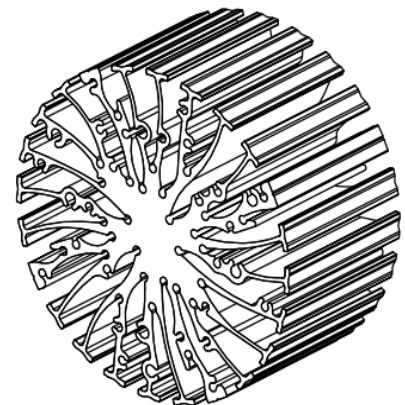
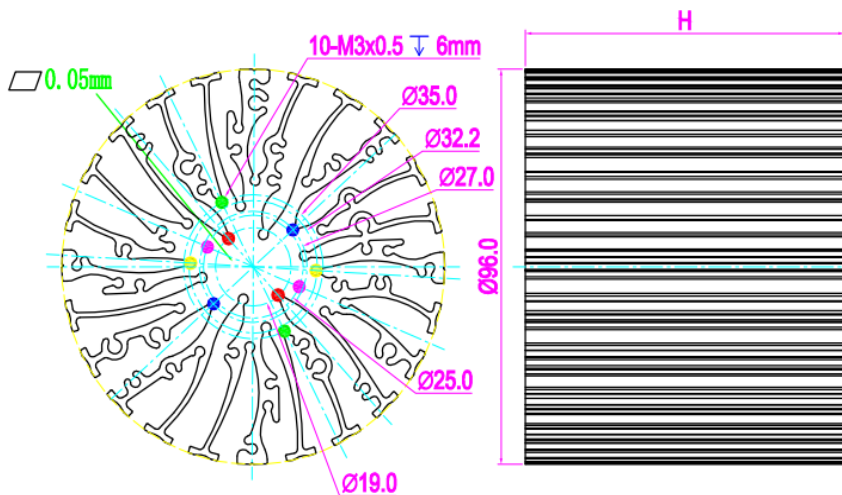
- 1** Height (mm)
- 2** Anodising Color
  - B-Black
  - C-Clear
  - Z-Custom
- 3** Mounting options;
  - On request;
  - Mounting holes, cable holes;
  - Screw thread, thermal interface pad.



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	COB CI Series COB BS SERIRS	/	M3	6mm	19mm/ 2-@180°
2	COB CI Series	BJB:47.319.6060.50;	M3	6mm	25mm/ 2-@180° Zhaga Book 11
3	COB N SERIRS COB BI SERIRS COB CII SERIRS	/	M3	6mm	27mm/ 2-@180°
4	COB CIII SERIRS	/	M3	6mm	32.2mm/ 2-@180°
5	COB CI Series COB BI SERIRS	BJB:47.319.2040.50;	M3	6mm	35mm/ 2-@180° Zhaga Book3



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**EtraLED-PRO-9650 Prolight Modular Passive Star LED Heat Sink Φ96mm**

The thermal data table

	 <i>EtraLED-9650</i>
<b>Model No.</b>	<b>EtraLED-PRO-9650</b>
<b>Size</b>	<b>Φ96xH50mm</b>
<b>Material</b>	<b>AL6063-T5</b>
<b>Finish</b>	<b>Black Anodized</b>
<b>Weight(gr)</b>	<b>386.0</b>
<b>Thermal Wattage</b>	<b>37.5W</b>
<b>HeatsinkOs-a<sup>2</sup></b>	<b>114836</b>
<b>Heat Sink T<sub>Rise</sub> Above Ambient</b>	<b>1.2</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-PRO-9650	EtraLED-PRO-9650
10		1.9	19
15		1.7	26
20		1.6	32
25		1.5	37
30		1.4	43
35		1.4	48
40		1.3	53
50		1.2	62

