



for

LED

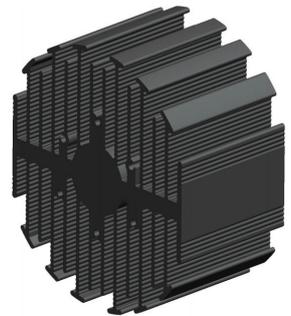


eLED

eLED-PRO-9550 Prolight Modular Passive Star LED Heat Sink  $\Phi$ 95mm

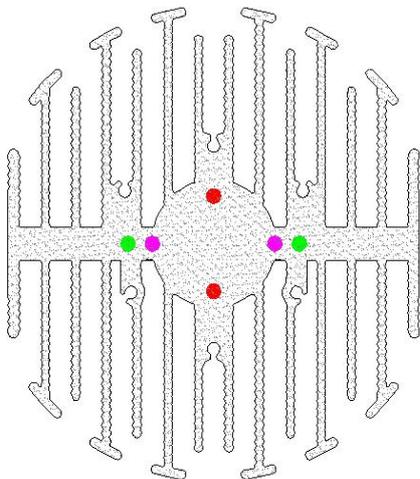
### Features VS Benefits

- \* The eLED-PRO-9550 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 1800 to 4500 lumen.
- \* Thermal resistance range  $R_{th}$  1.35°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 95mm - 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 eLED 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 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;

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Mounting Options and Drawings & Dimensions

Example:eLED-PRO-9550-B-3

Example:eLED-PRO-95 **1** - **2** - **3**

**1** Height (mm)

**2** Anodising Color

B-Black

C-Clear

Z-Custom

**3** Mounting options;

On request;

Mounting holes, cable holes;

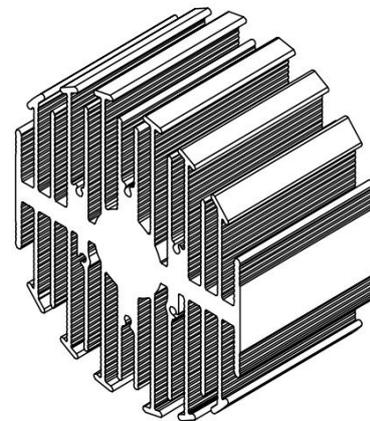
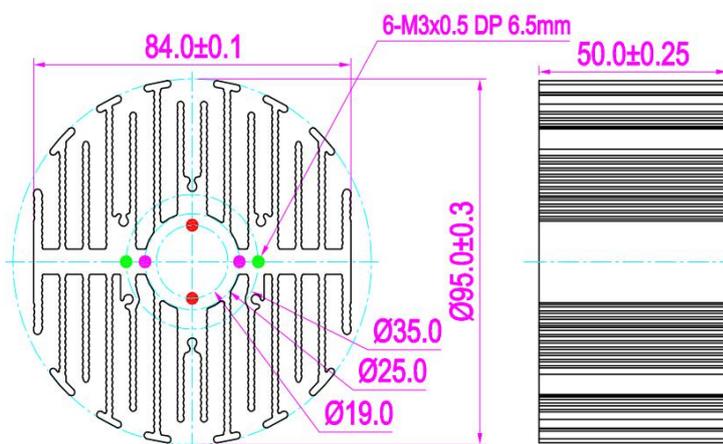
Screw thread, thermal interface pad.

Notes:

- Mentioned models are an extraction of full product range.
- For specific mechanical adaptations please contact MingfaTech.
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- 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	6.5mm	19mm/ 2-@180°
2	COB CI Series	BJB:47.319.6060.50;	M3	6.5mm	25mm/ 2-@180° Zhaga Book 11
3	COB CI Series COB BI SERIRS	BJB:47.319.2040.50;	M3	6.5mm	35mm/ 2-@180° Zhaga Book3



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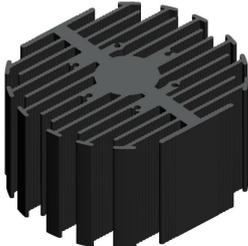
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eLED-PRO-9550 Prolight Modular Passive Star LED Heat Sink  $\Phi$ 95mm

The thermal data table

	 <i>eLED-9550</i>
<b>Model No.</b>	<b>eLED-PRO-9550</b>
<b>Size</b>	<b><math>\Phi</math>95xH50mm</b>
<b>Material</b>	<b>AL6063-T5</b>
<b>Finish</b>	<b>Black Anodized</b>
<b>Weight(gr)</b>	<b>353</b>
<b>Thermal Wattage</b>	<b>40.5W</b>
<b>Heatsink<math>\Theta</math>s-a<sup>2</sup></b>	<b>108320</b>
<b>Heat Sink T Rise Above Ambient</b>	<b>1.25</b>

Dissipated Power Pd(W)	Pd = Pe x (1- $\eta$ L)	Heat sink to ambient thermal resistance Rhs-amb ( $^{\circ}$ C/W)	Heat sink to ambient temperature rise T <sub>hs-amb</sub> ( $^{\circ}$ C)
		eLED-PRO-9550	
10		1.80	18
20		1.40	28
30		0.97	29
40		1.25	50
50		1.18	59

