



for

LED

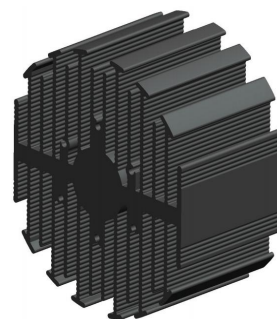


eLED

### eLED-SEO-9550 Seoul Modular Passive Star LED Heat Sink $\Phi$ 95mm

#### Features VS Benefits

- \* The eLED-SEO-9550 Seoul Modular Passive LED Coolers are specifically designed for luminaires using the Seoul 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 Seoul ZC12 Series, ZC18 Series, ZC25 Series, ZC40 Series, ZC60 Series and ZC100 Series COB engines.
- \* Diameter 95mm - standard height 50mm Other heights on request.
- \* Extruded from highly conductive aluminum.

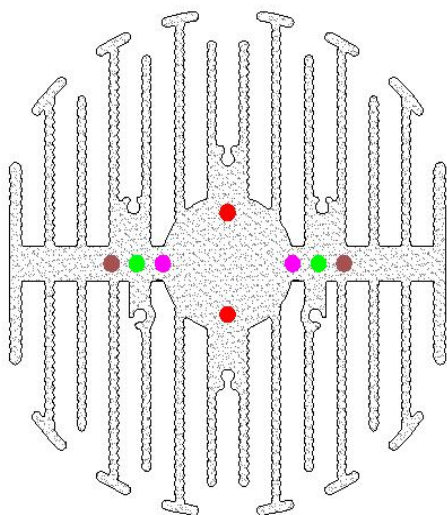


#### Seoul LED engine and radiator assembly directly Mounting Options

- \* Below you find an overview of Seoul 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.



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#### Seoul COB engines Mounting Options

ZC 12 Series COB Modules:

SDW02F1C; SDW82F1C; SDW92F1C;

ZC 18 Series COB Modules:

SDW03F1C; SDW83F1C; SDW93F1C;

Zhaga Book3 Holes ,

BJB Semiconductor Spotlight connector 47.319.2021.50

TE Connectivity Lumawise type Z502213254-1

TE Connectivity Lumawise type Z502213254-2

Green indicator marks;

Mounting with 2 screws M3x8mm.

ZC 25 Series LED Modules name:

SDW04F1C; SDW84F1C; SDW94F1C;

ZC 40 Series LED Modules name:

SDW05F1C; SDW85F1C; SDW95F1C;

ZC 60 Series LED Modules name:

SDW06F1C; SDW86F1C;

Green indicator marks:

Zhaga Book3 BJB Holder:47.319.2030.50

Mounting with machine screws M3x8mm ;

ZC 100 Series LED Modules name:

SDW07F1C; SDW87F1C;

Brown indicator marks ;

Direct mounting machine screws M3x6mm ;

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eLED-SEO-9550 Seoul Modular Passive Star LED Heat Sink  $\Phi$ 95mm

Mounting Options and Drawings & Dimensions

Example:eLED-SEO-9550-B-3

Example:eLED-SEO-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.



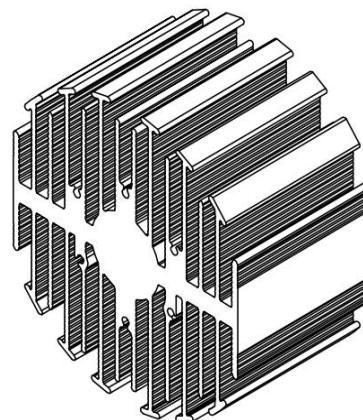
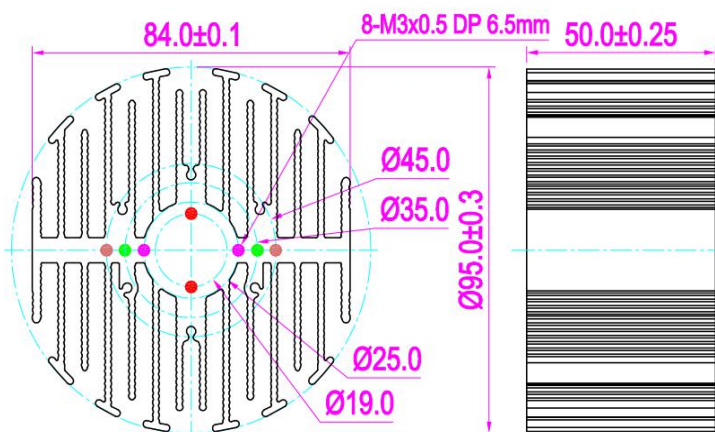
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Notes:

- 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.

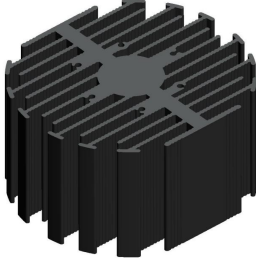
MOUNTING OPTION	Module type	Holder NO.	THREAD	THREAD DEPTH	THREAD HOLE DISTANCE
1	ZC4 Series ZC6 Series	/	M3	6.5mm	19mm/ 2-@180°
2	ZC4 Series ZC6 Series	BJB:47.319.6060.50;	M3	6.5mm	25mm/ 2-@180° Zhaga Book 11
3	ZC12 Series ZC18 Series	BJB:47.319.2040.50;	M3	6.5mm	35mm/ 2-@180° Zhaga Book3
4	ZC100 Series	/	M3	6.5mm	45mm/ 2-@180°



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The thermal data table

	 <i>eLED-9550</i>
<b>Model No.</b>	<b>eLED-SEO-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 Ths-amb ( $^{\circ}$ C)
		eLED-SEO-9550	
10		1.80	18
20		1.40	28
30		0.97	29
40		1.25	50
50		1.18	59

