

*SimpoleD*

**SimpoleD-PRO-8150 for Prolight Modular Passive LED Cooler  $\Phi$ 81mm**

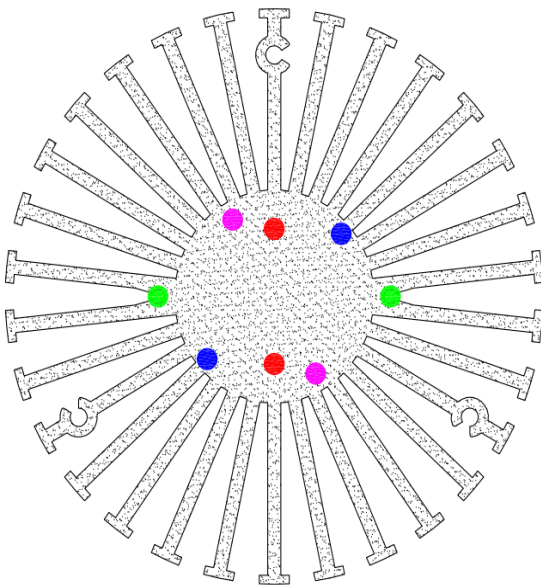
**Features VS Benefits**

- \* The SimpoleD-PRO-8150 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 900 to 3500 lumen.
- \* Thermal resistance range Rth 1.9°C/W.
- \* Modular design with mounting holes foreseen for direct mounting of Prolight CI Series, CII SERIRS, BI SERIRS, BS SERIRS and N SERIRS engines.
- \* Diameter 81mm - 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 SimpoleD coolers.
- \* 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 LED Spotlight 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 M3x8mm ;

Red indicator marks ;

Direct mounting machine screws M3x6mm ;

**COB BI SERIRS Module names:**

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

Green indicator marks: Zhaga Book3 BJB Holder:47.319.2040.50;

Mounting with machine screws M3x8mm;

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;

**COB N SERIRS Module names:**

- PANA-10xxx-xxxx ;
- PANA-12xxx-xxxx ;
- PANA-17xxx-xxxx ;
- PANA-24xxx-xxxx ;

Blue indicator marks:

Direct mounting with machine screws M3x6mm;

**COB CII SERIRS Modules names:**

- PACC-18xxx-xxxx ;

Blue indicator marks:

Direct mounting with machine screws M3x6mm;

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**Mounting Options and Drawings & Dimensions**

Example: SimpoleD-PRO-8150-B-3

Example: SimpoleD-PRO-81 **1** - **2** - **3**

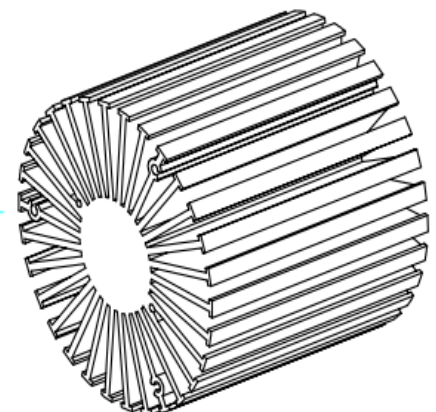
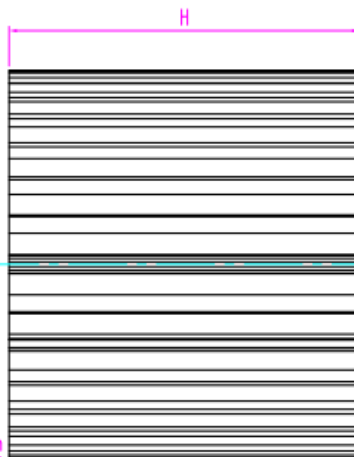
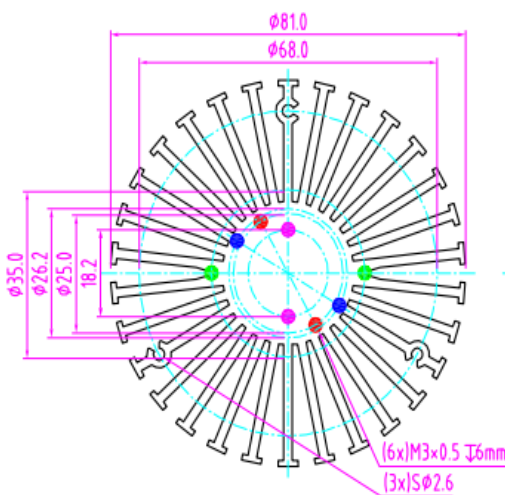
- 1** Height (mm)
- 2** Anodising Color  
B-Black  
C-Clear  
Z-Custom
- 3** Mounting Options - see graphics for details Combinations available  
Ex.order code - 12  
means option 1 and 2 combined



**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.

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 CI Series COB BI SERIRS	BJB:47.319.2040.50;	M3	6mm	35mm/ 2-@180° Zhaga Book3



The thermal data table

	 <i>SimpoleD-8150</i>
<b>Model No.</b>	<b>SimpoleD-PRO-8150</b>
<b>Size</b>	<b><math>\Phi</math>81xH50mm</b>
<b>Material</b>	<b>AL6063-T5</b>
<b>Finish</b>	<b>Black Anodized</b>
<b>Weight(gr)</b>	<b>318.0</b>
<b>Thermal Wattage</b>	<b>26.5W</b>
<b>HeatsinkOs-a<sup>2</sup></b>	<b>94517</b>
<b>Heat Sink T Rise Above Ambient</b>	<b>1.9</b>

	Pd = Pe x (1-ηL)	Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise Ths-amb (°C)
		SimpoleD-PRO-8150	SimpoleD-PRO-8150
Dissipated Power Pd(W)	6.0	2.60	15.6
	12.0	2.18	26.2
	18.0	1.97	35.6
	24.0	1.83	44.0
	30.0	1.72	51.8

