

SimploLED

SimploLED-PRO-8180 for Prolight Modular Passive LED Cooler Φ 81mm

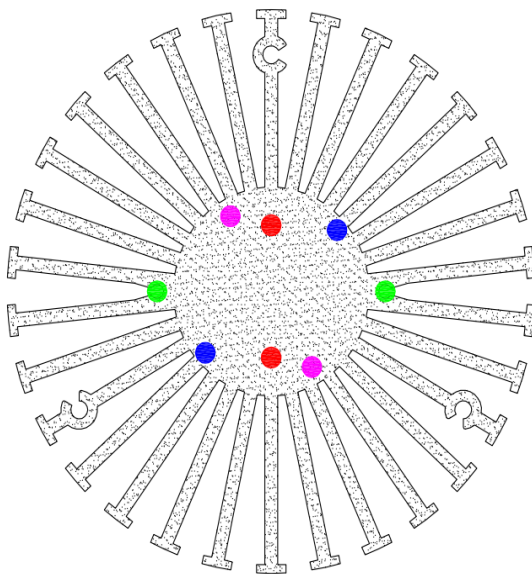
Features VS Benefits

- * The SimploLED-PRO-8180 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 4100 lumen.
- * Thermal resistance range Rth 1.6°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 80mm 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 SimploLED 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;

SimpLED

SimpLED-PRO-8180 for Prolight Modular Passive LED Cooler $\Phi 81mm$

Mounting Options and Drawings & Dimensions

Example: SimpLED-PRO-8180-B-3

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

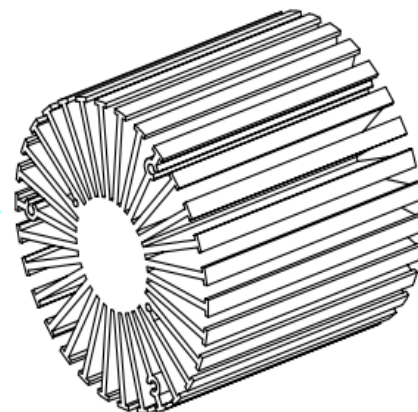
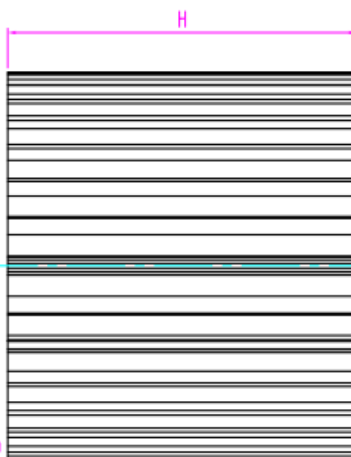
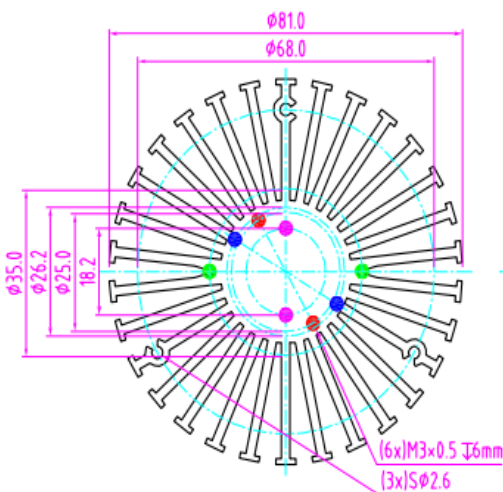
- 1** Height (mm)
- 2** Anodising Color
B-Black
C-Clear
Z-Custom
- 3** Mounting Options - see graphics for details Combinations available
Ex.order code - 12
means option 1 and 2 combined



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.

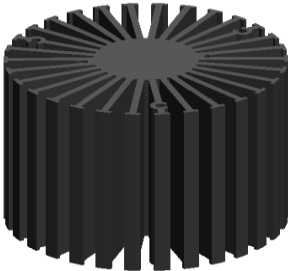
MOUNTING OPTION	Module type	Holder NO.	THREAD	THREAD DEPTH	THREAD HOLE DISTANCE
1	COB CI Series COB BS SERIRS	/	M3	6mm	19mm/ 2-@180°
2	COB CI Series	BJB:47.319.6060.50;	M3	6mm	25mm/ 2-@180° Zhaga Book 11
3	COB N SERIRS COB BI SERIRS COB CII SERIRS	/	M3	6mm	27mm/ 2-@180°
4	COB CI Series COB BI SERIRS	BJB:47.319.2040.50;	M3	6mm	35mm/ 2-@180° Zhaga Book3



SimpLED

SimpLED-PRO-8180 for Prolight Modular Passive LED Cooler $\Phi 81\text{mm}$

The thermal data table

	 <i>SimpLED-8180</i>
Model No.	SimpLED-PRO-8180
Size	$\Phi 81 \times H 80\text{mm}$
Material	AL6063-T5
Finish	Black Anodized
Weight(gr)	508.0
Thermal Wattage	31.2W
Heatsink $\Theta_s\text{-a}^2$	148406
Heat Sink T_{Rise Above Ambient}	1.6

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)	
	7.0	14.0	21.0	28.0	30.0
	2.14	1.82	1.66	1.53	1.72
	15.0	25.5	35.0	43.0	50.7

Heat sink to ambient temperature rise Ths-amb(°C) $t_a=25^\circ\text{C}$

