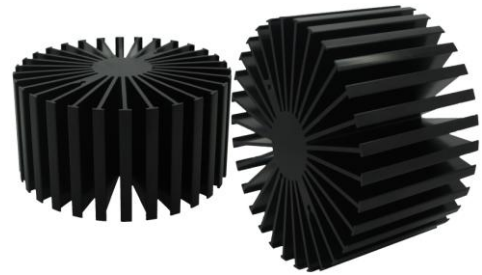


## SimpoLED

### SimpoLED-PRO-11780 for Prolight Modular Passive LED Cooler $\Phi$ 117mm

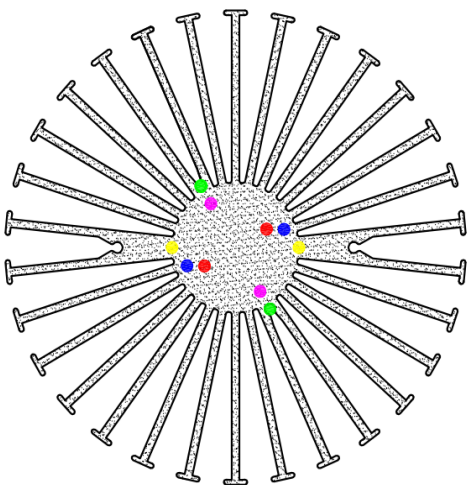
#### Features VS Benefits

- \* The SimpLED-PRO-11780 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 1700 to 6400 lumen.
- \* Thermal resistance range Rth 0.8°C/W.
- \* Modular design with mounting holes foreseen for direct mounting of Prolight N SERIRS CISeries, CIISERIRS, CIII SERIRS BI SERIRS and BS SERIRS engines.
- \* Diameter 117mm - 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 SimpLED 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 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 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 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;

*SimpoleLED*

SimpoleLED-PRO-11780 for ProLight Modular Passive LED Cooler  $\Phi 117\text{mm}$

**Mounting Options and Drawings & Dimensions**

Example: SimpoleLED-PRO-11780-B-3

Example: SimpoleLED-PRO-117 **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

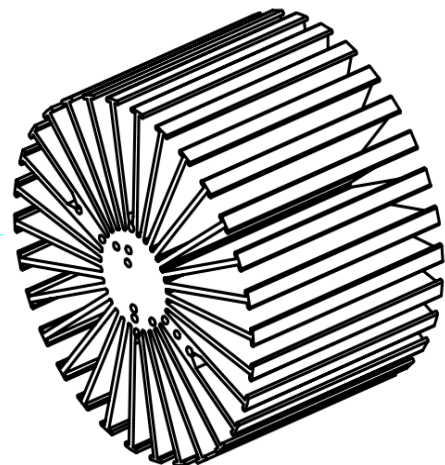
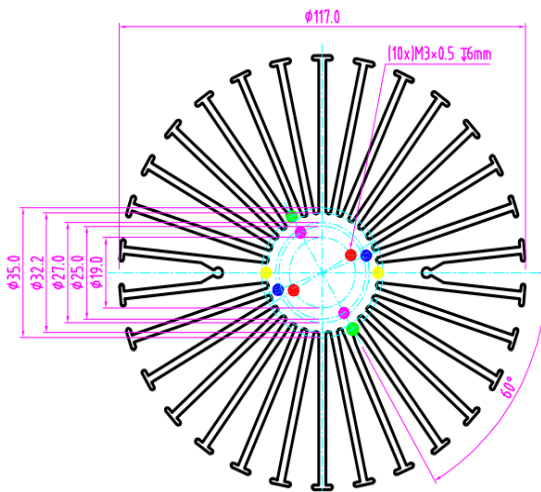
means option 1 and 2 combined



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 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



*SimpoleD*

SimpoleD-PRO-11780 for Prolight Modular Passive LED Cooler  $\Phi 117\text{mm}$

The thermal data table

	 <i>SimpoleD-11780</i>
<b>Model No.</b>	<b>SimpoleD-PRO-11780</b>
<b>Size</b>	<b><math>\Phi 117 \times H 80\text{mm}</math></b>
<b>Material</b>	<b>AL6063-T5</b>
<b>Finish</b>	<b>Black Anodized</b>
<b>Weight(gr)</b>	<b>774.0</b>
<b>Thermal Wattage</b>	<b>60.7W</b>
<b>Heatsink<math>\Theta_s\text{-a}^2</math></b>	<b>231490</b>
<b>Heat Sink T Rise Above Ambient</b>	<b>0.8</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-11780	SimpoleD-PRO-11780
Dissipated Power Pd(W)	15.0	1.01	15.2
	30.0	0.88	26.4
	45.0	0.80	36.1
	60.0	0.75	45.2
	75.0	0.71	53.8
	90.0	0.68	62.0

