

## SimpoLED

### SimpoLED-PRO-16050 for Prolight Modular Passive LED Cooler $\Phi$ 160mm

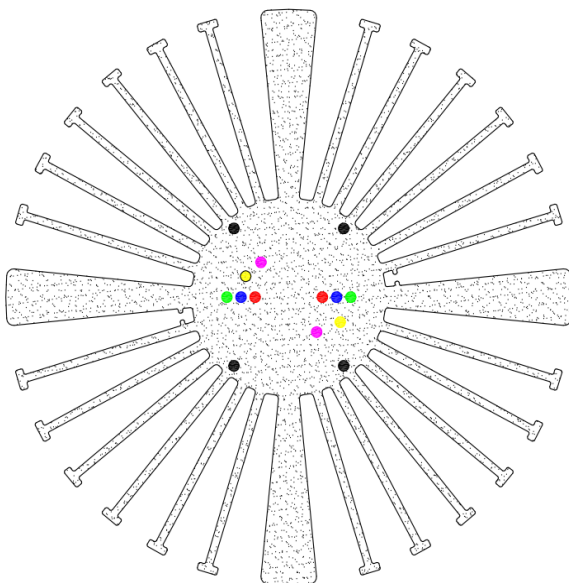
#### Features VS Benefits

- \* The SimpoLED-PRO-16050 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 3,600 to 1,2000 lumen.
- \* Thermal resistance range Rth 0.68°C/W.
- \* Modular design with mounting holes foreseen for direct mounting of Prolight N SERIRS CI Series, CII SERIRS, CIII SERIRS BI SERIRS, BII SERIRS and BS SERIRS engines.
- \* Diameter 160mm - 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 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 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 ;

Blue indicator marks:

Direct mounting with machine screws M3x6mm;

##### COB BI SERIRS Module names:

PABA-10xxx-xxxx ;

PABA-15xxx-xxxx ;

PABA-22xxx-xxxx ;

PABA-26xxx-xxxx ;

PABA-35xxx-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 BII SERIRS Modlue names:

PABB-60xxx-xxxx ;

PABB-100xxx-xxxx ;

Black indicator marks:

Direct mounting with machine screws M3x6mm;

*SimpoleD*

SimpoleD-PRO-16050 for Prolight Modular Passive LED Cooler  $\Phi$ 160mm

**Mounting Options and Drawings & Dimensions**

Example: SimpoleD-PRO-16050-B-3

Example: SimpoleD-PRO-160 **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

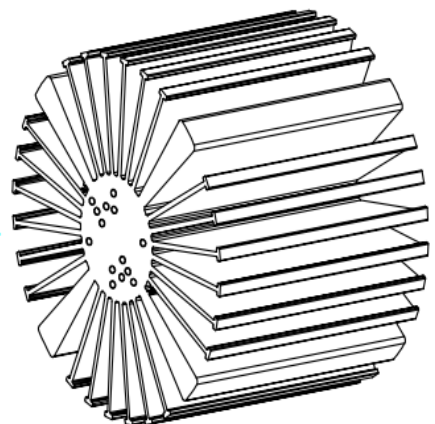
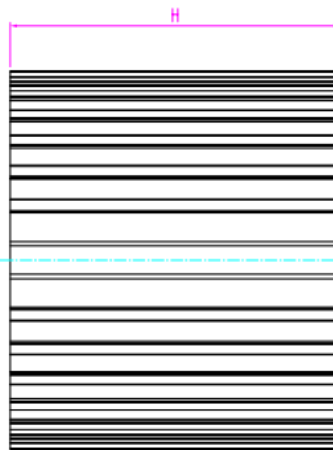
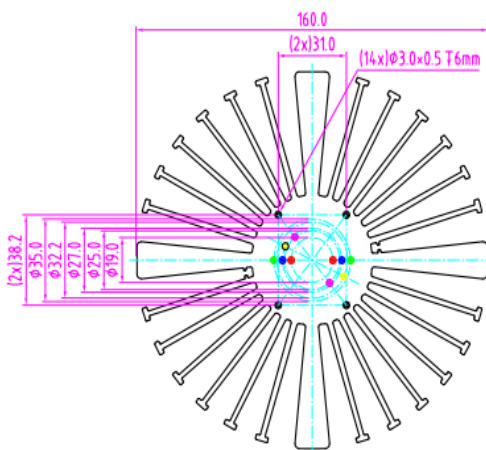
means option 1 and 2 combined

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.



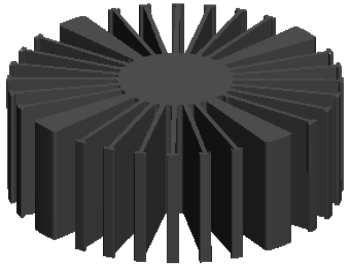
MOUNTING OPTION	Module type	Holder NO.	THREAD	THREAD DEPTH	THREAD HOLE DISTANCE
1	COB CI Series COB BS SERIRS	/	M3	6mm	19mm/ 2-@180°
2	COB CI Series	BJB:47.319.6060.50;	M3	6mm	25mm/ 2-@180° Zhaga Book 11
3	COB N SERIRS COB BI SERIRS COB CII SERIRS	/	M3	6mm	27mm/ 2-@180°
4	COB CIII SERIRS	/	M3	6mm	32.2mm/ 2-@180°
5	COB CI Series COB BI SERIRS	BJB:47.319.2040.50;	M3	6mm	35mm/ 2-@180° Zhaga Book3
6	COB BII SERIRS	/	M3	6mm	(2x)31mm* (2x)38.2mm



*SimpLED*

**SimpLED-PRO-16050 for Prolight Modular Passive LED Cooler Φ160mm**

The thermal data table

	 <i>SimpLED-16050</i>
<b>Model No.</b>	<b>SimpLED-PRO-16050</b>
<b>Size</b>	<b>Φ160xH50mm</b>
<b>Material</b>	<b>AL6063-T5</b>
<b>Finish</b>	<b>Black Anodized</b>
<b>Weight(gr)</b>	<b>1052.0</b>
<b>Thermal Wattage</b>	<b>71.3W</b>
<b>HeatsinkΘs-a<sup>2</sup></b>	<b>179161</b>
<b>Heat Sink T Rise Above Ambient</b>	<b>0.68</b>

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)
		SimpLED-PRO-16050	SimpLED-PRO-16050
15.0		0.92	13.8
30.0		0.83	24.9
45.0		0.78	35.1
60.0		0.70	42.0
75.0		0.67	50.3
90.0		0.60	54.0
100.0		0.55	55.0

