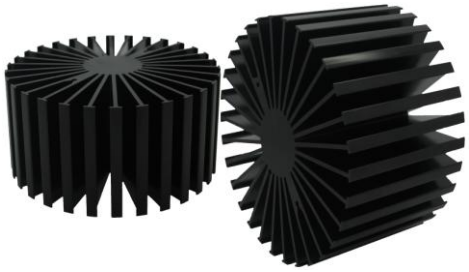
SimpoLED

SimpoLED-PRO-11750 for Prolight Modular Passive LED Cooler Φ117mm

Features VS Benefits



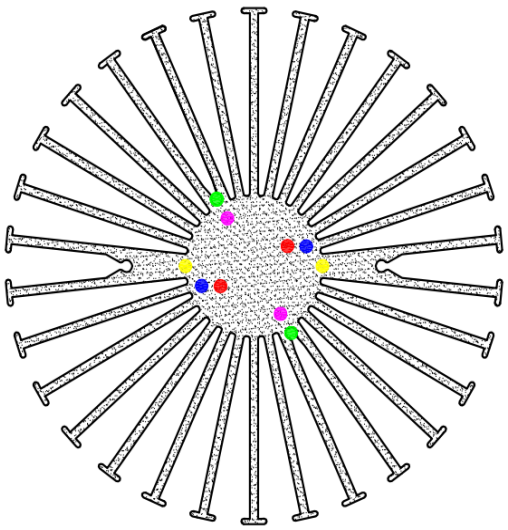
* The SimpoLED-PRO-11750 Prolight Modular Passive LED Coolers are specifically designed for luminaires using the Prolight LED engines.
* Mechanical compatibility with direct mounting of the LED engines to the LED cooler and thermal performance matching the lumen packages.
* For spotlight and downlight designs from 1700 to 6400 lumen.
* Thermal resistance range Rth 0.9°C/W.
* Modular design with mounting holes foreseen for direct mounting of Prolight N SERIRS CI Series,CII SERIRS, CIII SERIRS BI SERIRS and BS SERIRS engines.
* Diameter 117mm - 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 Opto Technology Corporation

BJB



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-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 BS SERIRS Modlue names:

PABS-6xxx-xxxx ;
PABS-9xxx-xxxx ;

Red indicator marks:
Direct mounting with machine screws M3x6mm;

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Mounting Options and Drawings & Dimensions

Example:SimpoLED-PRO-11750-B-3

Example:SimpoLED-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

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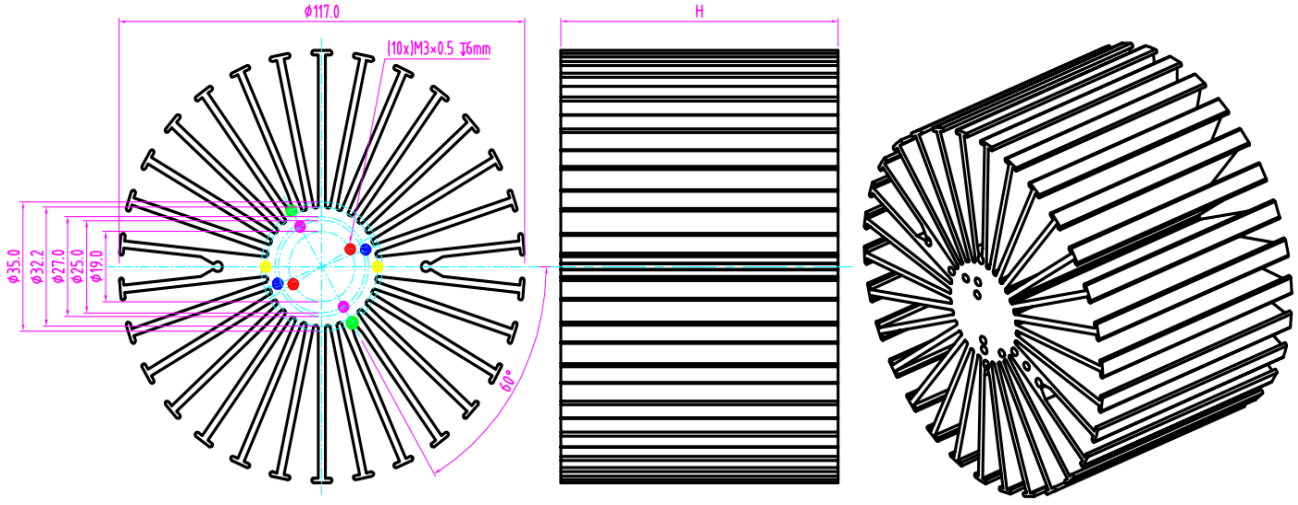
Notes:
- Mentioned models are an extraction of full product range.
- For specific mechanical adaptations please contact MingfaTech.
- MingfaTech reserves the right to change products or specifications without prior notice.

MOUNTING OPTION	Module type	Holder NO.	THREAD	THREAD DEPTH	THREAD HOLE DISTANCE
1	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



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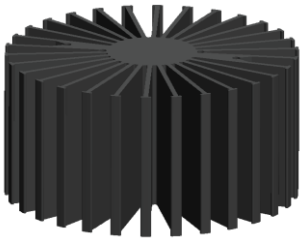
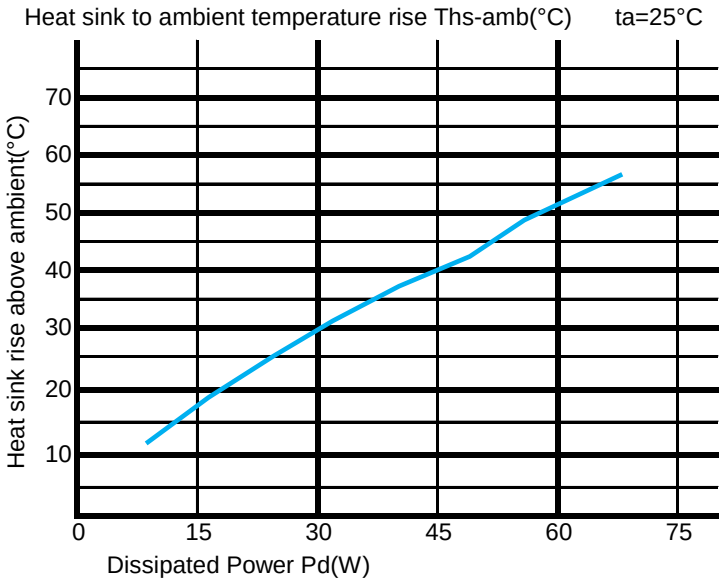
The thermal data table

	 SimpoLED-11750
Model No.	**SimpoLED-PRO-11750**
Size	**Φ117xH50mm**
Material	**AL6063-T5**
Finish	**Black Anodized**
Weight(gr)	**484.0**
Thermal Wattage	**49.2W**
HeatsinkΘs-a²	**147370**
Heat Sink T Rise Above Ambient	**0.9**

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-11750	SimpoLED-PRO-11750
Dissipated Power Pd(W)	8.0	1.35	10.8
	16.0	1.16	18.5
	24.0	1.05	25.3
	32.0	0.98	31.5
	40.0	0.94	37.5
	48.0	0.90	43.0
	56.0	0.88	49.0



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