

Mingfa TECH for LED

SimpoLED

SimpoLED-PRO-5870 for Prolight Modular Passive LED Cooler Φ 58mm

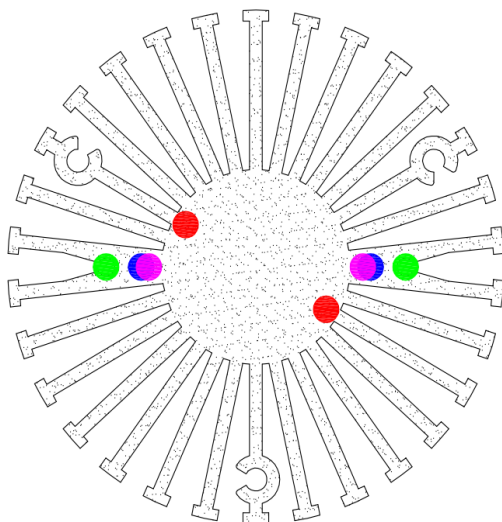
Features VS Benefits

- * The SimpoLED-PRO-5870 Prolight Modular Passive LED Coolers are specifically designed for luminaires using the Prolight COB 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 400 to 1600 lumen.
- * Thermal resistance range Rth 3.7°C/W.
- * Modular design with mounting holes foreseen for direct mounting of Prolight CI Series, BI SERIRSBS SERIRS and N SERIRS engines.
- * Diameter 58mm - standard height 70mm Other heights on request.
- * Extruded from highly conductive aluminum.



Zhaga LED engine and radiator assembly is a unified future international standardization

- * 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 ;

Zhaga Book 11

Pink indicator marks:
BJB Holder:47.319.6060.50;

Zhaga Book3

Green indicator marks:
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 ;

Zhaga Book3

Green indicator marks:
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 ;

Blue indicator marks:
Direct mounting with machine screws M3x6mm;

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Mounting Options and Drawings & Dimensions

Example: SimpoLED-PRO-5870-B-3

Example: SimpoLED-PRO-58 **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.

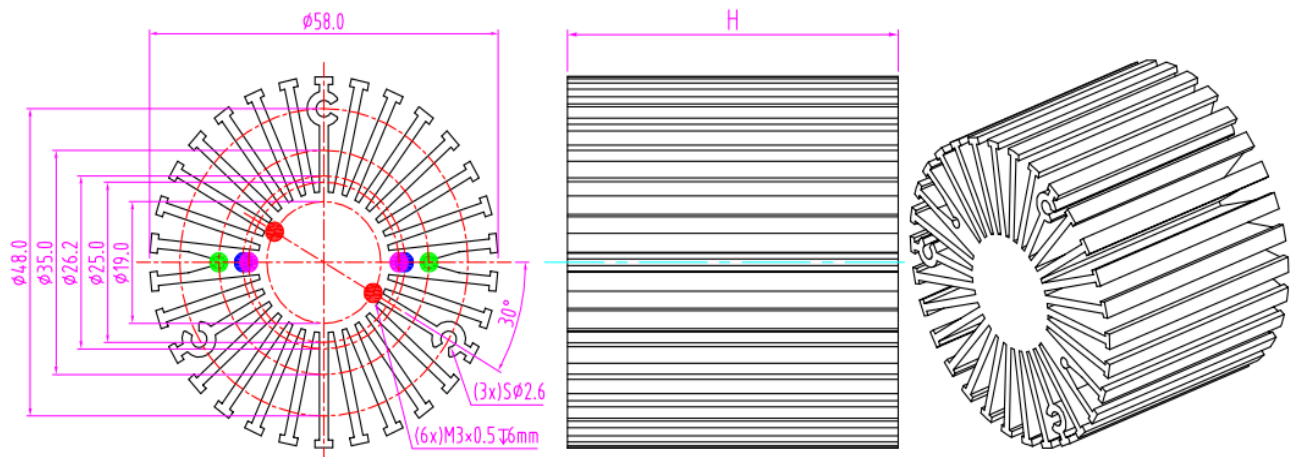


ProLight Opto
Technology Corporation



Note ! : option 2 and option 3 can't not be combined .

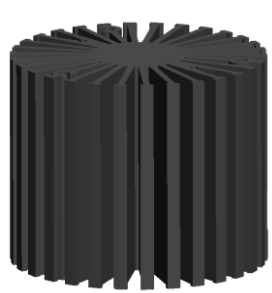
MOUNTING OPTION	Module type	Holder NO.	THREAD	THREAD DEPTH	THREAD HOLE DISTANCE
1	COB CI Series COB BS SERIRS	/	M3	6mm	19mm/ 2-@180°
2	COB CI Series	BJB:47.319.6060.50;	M3	6mm	25mm/ 2-@180° Zhaga Book 11
3	COB N SERIRS COB BI SERIRS	/	M3	6mm	27mm/ 2-@180°
4	COB CI Series COB BI SERIRS	BJB:47.319.2040.50;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



SimpoleD

SimpoleD-PRO-5870 for Prolight Modular Passive LED Cooler Φ 58mm

The thermal data table

	 <i>SimpoleD5870</i>
Model No.	SimpoleD-PRO-5870
Size	Φ58xH70mm
Material	AL6063-T5
Finish	Black Anodized
Weight(gr)	244.0
Thermal Wattage	15.5W
HeatsinkΘs-a²	90020
Heat Sink T_{Rise Above Ambient}	2.9

Dissipated Power Pd(W)	Pd = Pe x (1- η L)		Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise Ths-amb (°C)
			SimpoleD-PRO-5870	SimpoleD-PRO-5870
4.0			4.00	16.0
8.0			3.50	28.0
12.0			3.12	37.5
16.0			2.90	46.5
20.0			2.76	55.3

