



for

LED



SimpoleD

SimpoleD-SAM-5870 for Samsung Modular Passive LED Cooler Φ 58mm

Features VS Benefits

- * The SimpoleD-SAM-5870 Samsung Modular Passive LED Coolers are specifically designed for luminaires using the Samsung 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 400 to 1900 lumen.
- * Thermal resistance range Rth 2.9°C/W.
- * Modular design with mounting holes foreseen for direct mounting of Samsung COB LED engines.
- * Diameter 58mm - standard height 70mm Other heights on request.
- * Extruded from highly conductive aluminum.



Samsung LED engine and radiator assembly directly Mounting Options

- * Below you find an overview of Samsung 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.



Samsung LED Modules Mounting indicator marks overview

For the LC013 COB LED engines.

- SPHWW1HDNA27YHW31F;
- SPHWW1HDNA27YHV31F;
- SPHWW1HDNA27YHU31F;
- SPHWW1HDNA27YHT31F;
- SPHWW1HDNA25YHW31F;
- SPHWW1HDNA25YHV31F;
- SPHWW1HDNA25YHU31F;
- SPHWW1HDNA25YHT31F;
- SPHCW1HDNA25YHRT1F;

Direct mounting with machine screws M3x6mm;
Red indicator marks.

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Mounting Options and Drawings & Dimensions

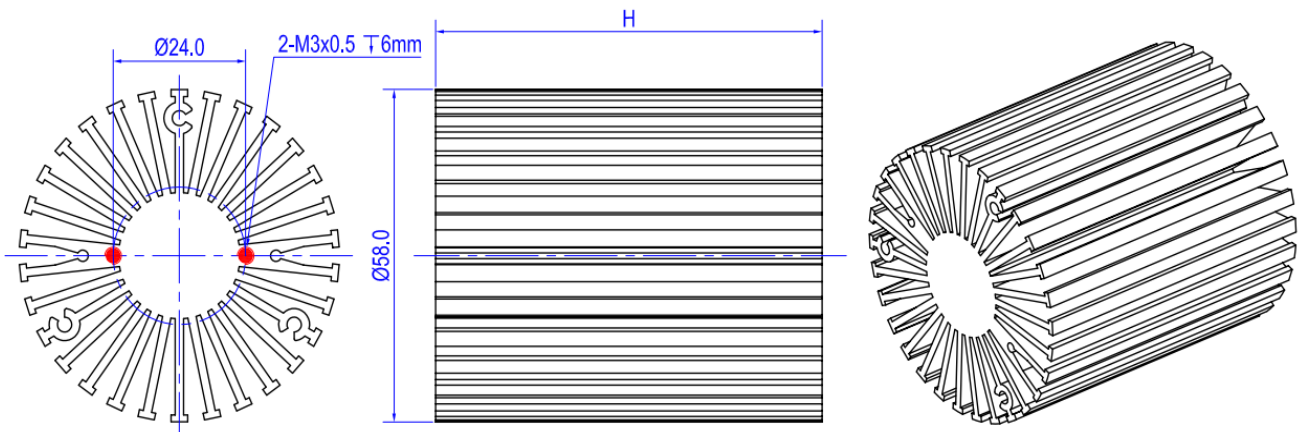
Example: SimpoleD-SAM-5870-B-3

Example: SimpoleD-SAM-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



MOUNTING OPTION	Module type	Holder NO.	THREAD	THREAD DEPTH	THREAD HOLE DISTANCE
1	LC013	/	M3	6mm	24.0mm/ @180°



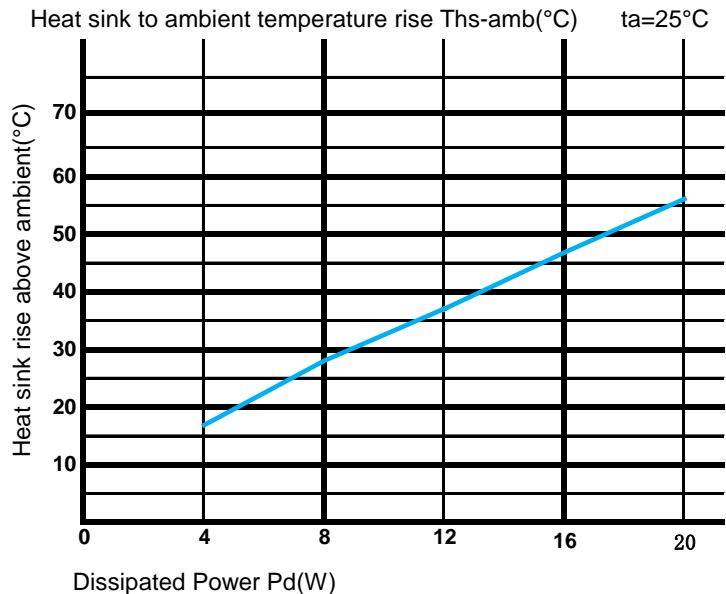
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The thermal data table

	<p><i>SimpoleD-5870</i></p>
Model No.	SimpoleD-5870
Size	Φ58xH70mm
Material	AL6063-T5
Finish	Black Anodized
Weight(g)	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-ηL)	Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise Ths-amb (°C)
		SimpoleD-SAM-5870	SimpoleD-SAM-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



- 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.