

SimpoleD

SimpoleD-SEO-8180 for Seoul Modular Passive LED Cooler Φ 81mm

Features VS Benefits

- * The SimpoleD-SEO-8180 Seoul Modular Passive LED Coolers are specifically designed for luminaires using the Seoul 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 1300 to 4200 lumen.
- * Thermal resistance range R_{th} 1.6°C/W.
- * Modular design with mounting holes foreseen for direct mounting of Seoul ZC4 Series, ZC6 Series, ZC12 Series, ZC18 Series, ZC25 Series and ZC40 Series COB engines.
- * Diameter 81mm - standard height 80mm Other heights on request.
- * Extruded from highly conductive aluminum.

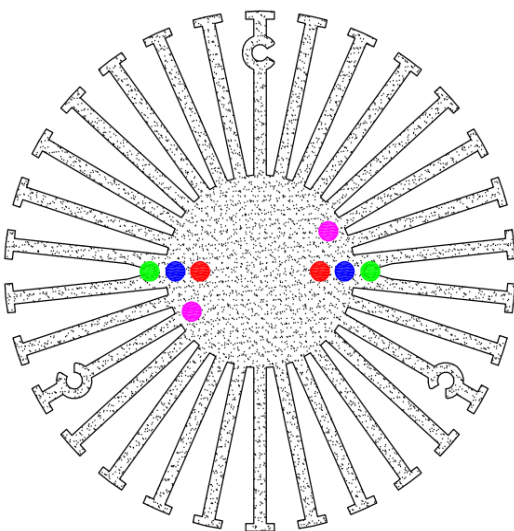


Seoul LED engine and radiator assembly directly Mounting Options

- * Below you find an overview of Seoul 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.



SEoul SEMICONDUCTOR



Seoul COB engines Mounting Options

ZC4 Series COB Modules:

SDW01F1B; SDW81F1B;

ZC6 Series COB Modules:

SDW01F1C; SDW81F1C; SDW91F1C;

Zhaga Book 11 holder;
Pink indicator marks,
BJB Spotlight connector 47.319.6060.50
Mounting with 2 screws M3x8mm.
Direct mounting with 2 screws M3x6mm.
Red indicator marks.

ZC 12 Series COB Modules:

SDW02F1C; SDW82F1C; SDW92F1C;

ZC 18 Series COB Modules:

SDW03F1C; SDW83F1C; SDW93F1C;

Zhaga Book3 Holes ;
Green indicator marks,
BJB Semiconductor Spotlight connector 47.319.2021.50
TE Connectivity Lumawise type Z502213254-1
TE Connectivity Lumawise type Z502213254-2
Mounting with 2 screws M3x8mm.
Direct mounting with 2 screws M3x6mm;
Blue indicator marks.

ZC 25 Series LED Modules name:

SDW04F1C;
SDW84F1C;
SDW94F1C;

ZC 40 Series LED Modules name:

SDW05F1C;
SDW85F1C;
SDW95F1C;

Green indicator marks:
Zhaga Book3 BJB Holder:47.319.2030.50
Mounting with machine screws M3x8mm ;



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Mounting Options and Drawings & Dimensions

Example: SimpoleD-SEO-8180-B-3

Example: SimpoleD-SEO-81 **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:

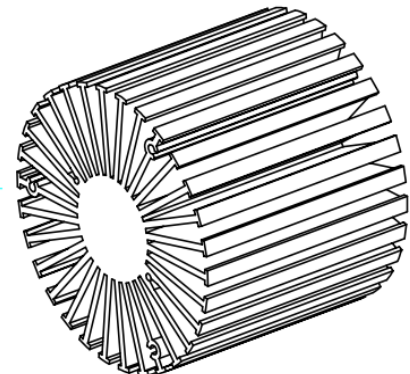
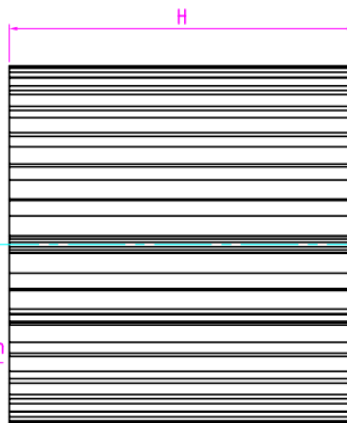
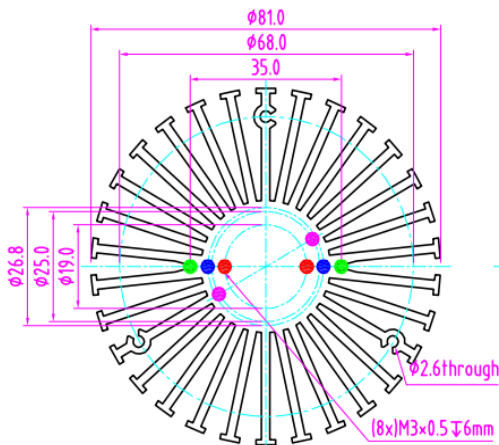
- Mentioned models are an extraction of full product range.
- For specific mechanical adaptations please contact MingfaTech.
- MingfaTech reserves the right to change products or specifications without prior notice.



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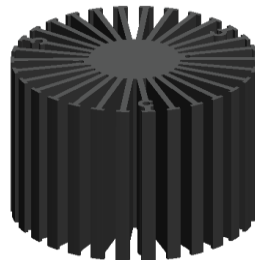
MOUNTING OPTION	Module type	Holder NO.	THREAD	THREAD DEPTH	THREAD HOLE DISTANCE
1	ZC4 Series ZC6 Series	/	M3	6mm	19mm/ 2-@180°
2	ZC4 Series ZC6 Series	BJB:47.319.6060.50 ;	M3	6mm	25mm/ 2-@180° Zhaga Book 11
3	ZC12 Series ZC18 Series	/	M3	6mm	26.8mm/ 2-@180°
4	ZC12 Series ZC18 Series	BJB:47.319.2040.50	M3	6mm	35mm/ 2-@180° Zhaga Book3
	ZC25 Series ZC40 Series ZC60 Series	BJB: 47.319.2030.50	M3	6mm	



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The thermal data table

	 <i>SimpoleD-8180</i>
Model No.	SimpoleD-SEO-8180
Size	Φ81xH80mm
Material	AL6063-T5
Finish	Black Anodized
Weight(g)	508.0
Thermal Wattage	31.2W
HeatsinkOs-a²	148406
Heat Sink T_{Rise Above Ambient}	1.6

	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-SEO-8180	SimpoleD-SEO-8180
Dissipated Power Pd(W)	7.0	2.20	15.4
	14.0	1.90	26.6
	21.0	1.80	37.8
	28.0	1.70	47.6
	35.0	1.55	54.3

