



for

LED



SimpoleD

SimpoleD-160100 Modular Passive LED Cooler ϕ 160mm

Features VS Benefits

- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler and thermal performance matching the lumen packages.
 - * Thermal resistance range R_{th} 0.48°C/W.
 - * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's.
 - * Diameter 160mm - Standard height 100mm , Other heights on request.
 - * Extruded from highly conductive aluminum.
 - * 2 standard colors - clear anodised - black anodised
- Zhaga Book 3 Spot Light Modules: Bridgelux , Citizen, Cree, Tridonic, Luminus, Seoul Lumileds, Lustrous, SamSung



- 1) Bridgelux , Vero10, Vero13, Vero18 and Vero29 ;
- 2) Citizen CLL032-CLU034, CLL042-CLU044, CLL052-CLU054;
- 3) Cree XLamp CXA2520, CXA25xx, CXA30xx and CXA3590 COB engines.
- 4) Lumileds Luxeon COB's Series, Luxeon K Series;
- 5) Seoul Semiconductor ZC40, ZC60, XC100;
- 6) Tridonic TALEXX module SLE modules engines.
- 7) Edison Edilex II COB LED engines
- 8) Lustrous LUSTRON 6 series LL630F; LL630D, LL660D;
- 9) Prolight N SERIRS CI Series, CII SERIRS, CIII SERIRS BI SERIRS, SERIRSand BS SERIRS engines
- 10) Luminus C#M22 LED engines.
- 11) SHARP Kaku Zenigata and Mega Zenigata LED engines.
- 12) Vossloh-Schwabe LUGA Shop LED engines.

Order Information

Example: SimpoLED-160100-B-#

Example: SimpoLED-160 **1** - **2** - **1**

- 1** Height (mm)
- 2** Anodising Color
B-Black
C-Clear
Z-Custom
- 3** Mounting Options - see graphics details Combinations available
Ex.order code - 12
means option 1 and 2 combined

MingFa recommends the use of a high Thermal conductive interface between the LED Module and the LED cooler. Either thermal grease, A thermal pad or a phase change thermal pad Thickness 0.1-0.15mm is recommended.



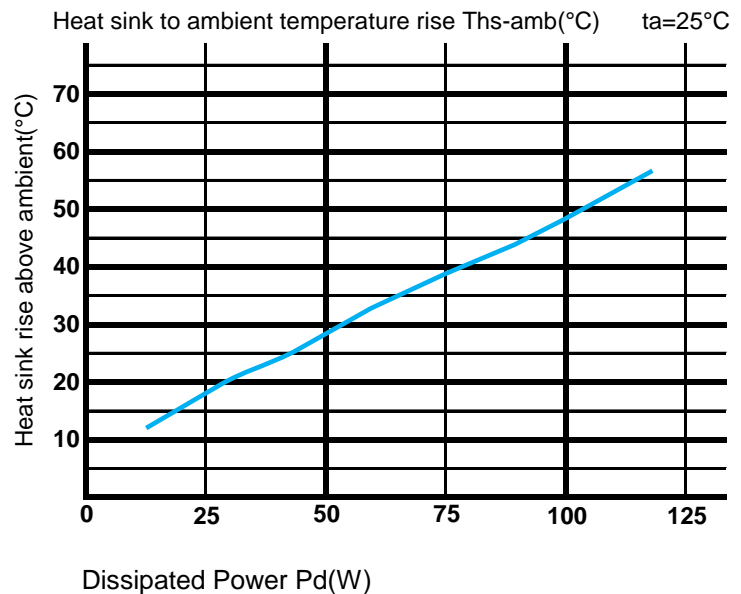
SimpoleD

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The thermal data table

<i>SimpoleD-160100</i>	
Model No.	SimpoleD-160100
Size	D160xH100mm
Material	6063-T5
Finish	Black Anodized
Weight(g)	2104
Thermal Wattage	100.2W
HeatsinkO_s-a²	324742
Heat Sink T_{Rise Above Ambient} (°C/W)	0.48

	Pd = Pe x (1-η _L)	Heat sink to ambient thermal resistance R _{hs-amb} (°C/W)	Heat sink to ambient temperature rise T _{hs-amb} (°C)
		SimpoleD-160100	SimpoleD-160100
Dissipated Power Pd(W)	15	0.64	9.6
	30	0.56	16.8
	45	0.52	23.4
	60	0.50	30.0
	75	0.48	36.0
	90	0.46	41.4
	100	0.48	48.0



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.