



*SimpoleD*

**SimpoleD-13580 Modular Passive LED Cooler Φ135mm**

### 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 Rth 0.71°C/W.
  - \* Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's:
  - \* Diameter 135mm - Standard height 80mm , Other heights on request.
  - \* Extruded from highly conductive aluminum.
  - \* 2 standard colors - clear anodized - black anodized
- Zhaga Book 3 Spot Light Modules Bridgelux , Citizen, Cree, Tridonic, Lumileds, Osram, Lustrous, SamSung .....



- 1) Bridgelux , Vero10, Vero13, Vero18 and Vero29 ;
- 2) Citizen CLL032-CLU034, CLL042-CLU044;
- 3) Cree Xlamp CXA15xx, CXA18xx, CXA25xx;
- 4) Lumileds Luxeon COB's Series, Luxeon K Series;
- 5) Osram OSRAM SOLERIQ P and SOLERIQ S LED engines.
- 6) Seoul Semiconductor ZC25, ZC40, ZC60, XC100;
- 7) Tridonic TALEXX module SLE modules engines.
- 8) Lustrous COB M series, LUSTRON series, Coral series, LUSTRON 5 series, LUSTRON 6 series
- 9) SamSung LC033, LC040B LED engines.

### Order Information

Example: SimpoLED-13580-B-#


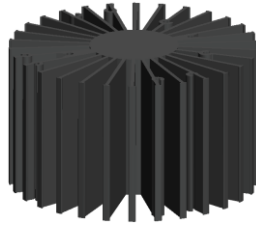
Example: SimpoLED-135 **1** - **2** - **1**

- 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

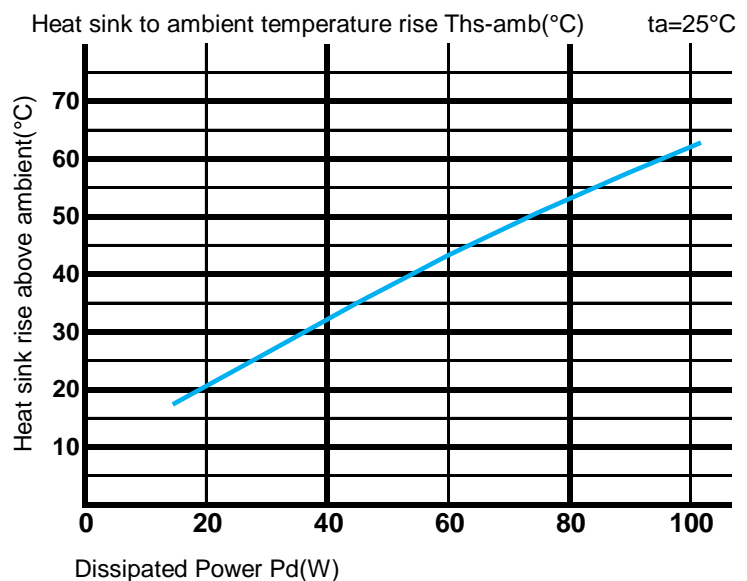


MingFa recommends the use of a high Thermal conductive interface between the LED Module and the LED cooler. Either thermal grease, A thermal pad or a phase change thermal pad Thickness 0.1-0.15mm is recommended.

**The thermal data table**

	
<i>SimpoleD-13580</i>	
<b>Model No.</b>	<b>SimpoleD-13580</b>
<b>Size</b>	<b><math>\Phi</math>135xH80mm</b>
<b>Material</b>	<b>AL6063-T5</b>
<b>Finish</b>	<b>Black Anodized</b>
<b>Weight(g)</b>	<b>1020</b>
<b>Thermal Wattage</b>	<b>69.8W</b>
<b>Heatsink<math>\Theta</math>s-a<sup>2</sup></b>	<b>243322</b>
<b>Heat Sink T Rise Above Ambient (<math>^{\circ}</math>C/W)</b>	<b>0.71</b>

Dissipated Power Pd(W)	Pd = Pe x (1- $\eta$ L)	Heat sink to ambient thermal resistance Rhs-amb ( $^{\circ}$ C/W)	Heat sink to ambient temperature rise Ths-amb ( $^{\circ}$ C)
		SimpoleD-13580	SimpoleD-13580
15		0.92	13.8
30		0.88	26.4
45		0.80	36.0
60		0.75	45.0
75		0.69	51.8
90		0.59	53.1



**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.