



for

LED

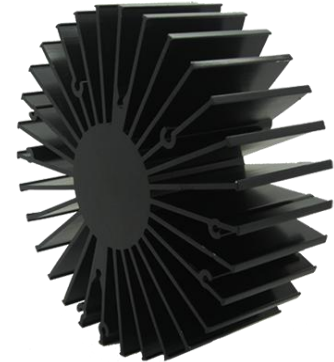


*SimpoleD*

**SimpoleD-13550 Modular Passive LED Cooler  $\Phi$ 135mm**

**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 0.82°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 50mm , Other heights on request.
  - \* Extruded from highly conductive aluminum.
  - \* 2 standard colors - clear anodised - black anodised
- Zhaga Book 3 Spot Light Modules Xicato, Bridgelux , Citizen, Cree, Tridonic, Lumileds, Osram, Lustrous, SamSung .....



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

**Order Information**

Example:SimpoleD-13550-B-#

Example:SimpoleD-135 **1** - **2** - **3**

- 1** Height (mm)
- 2** Anodising Color
  - B-Black
  - C-Clear
  - Z-Custom
- 3** Mounting Options - see graphics for details Combinations
  - 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.



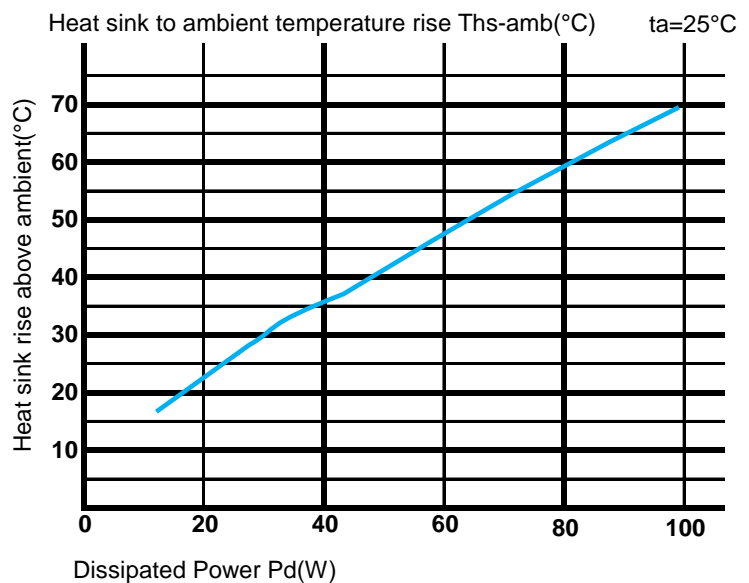
*SimpLED*

**SimpLED-13550 Modular Passive LED Cooler  $\Phi$ 135mm**

The thermal data table

	
<i>SimpLED-13550</i>	
<b>Model No.</b>	SimpLED-13550
<b>Size</b>	$\Phi$ 135xH50mm
<b>Material</b>	6063-T5
<b>Finish</b>	Black Anodized
<b>Weight(g)</b>	638
<b>Thermal Wattage</b>	60.3W
<b>Heatsink<math>\Theta</math>s-a<sup>2</sup></b>	155618
<b>Heat Sink T<sub>Rise Above Ambient</sub> (°C/W)</b>	0.82

Dissipated Power Pd(W)	Pd = Pe x (1- $\eta$ L)	Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise T <sub>hs-amb</sub> (°C)
		SimpLED-13550	SimpLED-13550
15		1.20	18.0
30		1.00	30.0
45		0.90	40.5
60		0.82	49.2
75		0.71	53.3
90		0.68	61.2



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.