



for

LED



*SimpOLED*

**SimpOLED-160150 Modular Passive LED Cooler  $\Phi$ 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 Rth 0.42°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 150mm , Other heights on
  - \* Extruded from highly conductive aluminum.
  - \* 2 standard colors - clear anodised - black anodised
- Zhaga Book 3 Spot Light Modules: Bridgelux , Citizen , Cree , Tridonic, Lumileds,Lustrous.....



- 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 TALEXXmodule 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, BII 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-160150-B-#

Example:SimpOLED-160 1 - 2 - 3

- 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.



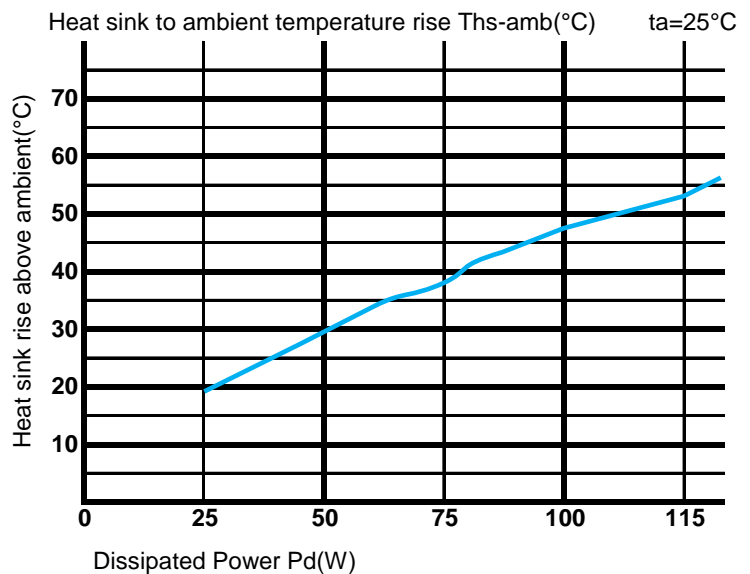
*SimpoleD*

**SimpoleD-160150 Modular Passive LED Cooler  $\Phi$ 160mm**

The thermal data table

	
	<i>SimpoleD-160150</i>
<b>Model No.</b>	<b>SimpoleD-160150</b>
<b>Size</b>	<b>D160xH150mm</b>
<b>Material</b>	<b>6063-T5</b>
<b>Finish</b>	<b>Black Anodized</b>
<b>Weight(g)</b>	<b>3155</b>
<b>Thermal Wattage</b>	<b>120W</b>
<b>Heatsink <math>\Theta_{s-a^2}</math></b>	<b>506323</b>
<b>Heat Sink T<sub>Rise Above Ambient</sub> (<math>^{\circ}</math>C/W)</b>	<b>0.42</b>

	Pd = Pe x (1- $\eta$ L)	Heat sink to ambient thermal resistance R <sub>hs-amb</sub> ( $^{\circ}$ C/W)	Heat sink to ambient temperature rise T <sub>hs-amb</sub> ( $^{\circ}$ C)
		SimpoleD-160150	SimpoleD-160150
Dissipated Power Pd(W)	25	0.56	14.0
	45	0.53	24.0
	60	0.50	30.0
	75	0.47	35.0
	90	0.44	40.0
	100	0.43	43.0
	120	0.42	50.0



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.