



for

LED



EtraLED

EtraLED-9650 Modular Passive LED Star Heat Sink Φ96mm

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 1.2°C/W.
  - \* Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's:
  - \* Diameter 96mm - 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 Edison , Osram , Xicato ,Bridgelux , Citizen , Cree , Lumileds ,Tridonic Vossloh-Schwabe , LG , Seoul , Luminus , GE lighting , Prolight ,SHARP ,Samsung , Lustrous .Philips



- 1) Xicato XSM, XIM,XTM;(XSA-309;XSA-310)
- 2) Bridgelux ESS, ESR, Vero 10, Vero 13,Vero 18,Vero 29 V-series;
- 3) Citizen CLL022-CLU024, CLL032-CLU034,CLL040-CLU044;
- 4) Cree XLamp CXA13xx, CXA15xx,CXA18,CXA25;
- 5) Lumileds Luxeon COB's 1203, 1204, 1205, Luxeon K arrays K12, K16;
- 6) LG Innotek LEMWM18 27W, 24W, 40W;
- 7) Seoul Semiconductor ZC25, ZC40,ZC60, ZC100 Series;
- 8) Tridonic TALEXXmodule SLE Modules engines;
- 9) Luminus C##14 ,C##22COB LED engines.
- 10) Edison EdiLex SLM and EdiLex II COB LED engines;
- 11) GE lighting Infusion™ LED Modules.
- 12) Prolight Opto PABS, PABA, PACB, PANA;
- 13) SHARP Tiger Zenigataand and Mega Zenigata LED engines;
- 14) Samsung COB LC026B,LC033B,LC040BCOB LED engines;
- 15) Vossloh-Schwabe Vossloh-Schwabe LUGA Shop LED engines;
- 16) OSRAM PrevaLED Core,SOLERIQ P,SOLERIQ E and SOLERIQ S LED engines;
- 17) Lustrous M series, LUSTRON series, Coral series,LUSTRON 5 6 series LED engines;
- 18) Philips Fortimo SLM LED engines.

Order Information

Example:EtaLED-9650-B-#

Example:EtaLED-96 1 - 2 - 3

- 1 Hight (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.



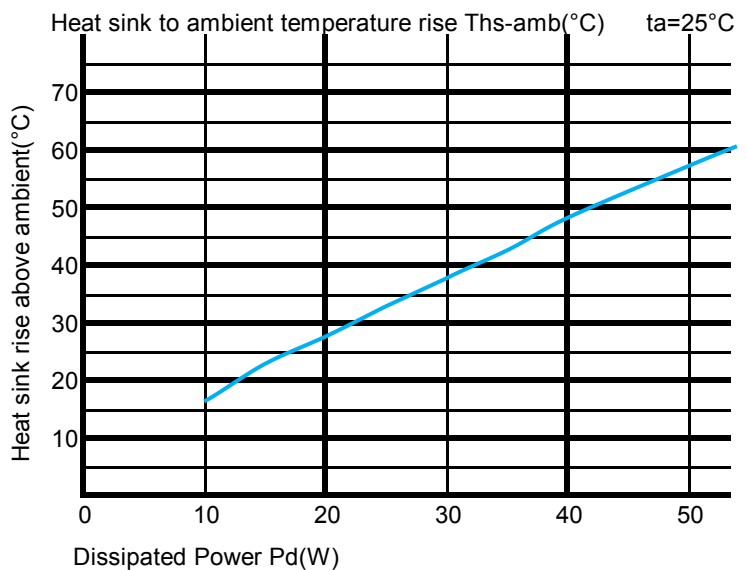
*EtraLED*

*EtraLED-9650 Modular Passive LED Star Heat Sink Φ96mm*

The thermal data table

<i>EtraLED-9650</i>	
<b>Model No.</b>	<b>EtaLED9650</b>
<b>Size</b>	<b>Φ96x50mm</b>
<b>Material</b>	<b>AL6063-T5</b>
<b>Finish</b>	<b>Black Anodized</b>
<b>Weight(gr)</b>	<b>360</b>
<b>Thermal Wattage</b>	<b>37.5W</b>
<b>HeatsinkOs-a<sup>2</sup></b>	<b>114836</b>
<b>Heat Sink RiseT<sub>Rise Above Ambient</sub> (°C/W)</b>	<b>1.2</b>

Dissipated Power Pd(W)	Pd = Pe x (1-ηL)	Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise Ths-amb (°C)
		EtaLED-9650	EtaLED-9650
10		1.7	16.5
15		1.5	22.5
20		1.4	28
25		1.3	33
30		1.3	38
35		1.2	43
40		1.2	48
50		1.1	56



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.