



for

LED



eLED

eLED-4650 Modular Passive LED Star Heat Sink Φ 46mm

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 5.0°C/W.
 - * Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's:
 - * Diameter 46.5mm - Standard height 50mm , Other heights on request.
 - * Extruded from highly conductive aluminum.
- Zhaga Book 3 Spot Light Modules Edison , Osram , Xicato ,Bridgelux ,Citizen ,Cree , Lumileds , Tridonic , Vossloh , Seoul ,LG , Lustrous ,Prolight ,Vossloh ,Samsung ,Sharp ,Philips



- 1) Xicato XSM, XIM,XTM;
- 2) Bridgelux ESS, ESR, Vero 10, Vero 13, V-series;
- 3) Citizen CLL022-CLU024, CLL032-CLU034;
- 4) Cree XLamp CXA13xx, CXA15xx;
- 5) Lumileds Luxeon COB's 1203, 1204, 1205,Luxeon K arrays K12, K16;
- 6) Osram Soleriq S13, S19, E30
- 7) Seoul Semiconductor ZC6, ZC12;
- 8) Tridonic TALEXXmodule SLE modules.
- 9) LG Innotek LEMWM18 10W, 13W;
- 10) Edison EdiLex SLM and EdiLex II COB LED engines.
- 11) Lustrous Lustrous Series,Lustrous M Series,Lustrous V5 Series
- 12) Prolight Opto PABS, PABA, PACB, PANA
- 13) Luminus CLM-9,CXM-9,CHM-9 COB engines.
- 14) Vossloh-Schwabe LUGA Shop and LUGA C LED engines.
- 15) Samsung LC013 COB LED engines.
- 16) SHARP Mini Zenigata LED engines.
- 17) Philips Fortimo SLM LED engines.

Order Information

Example:eLED-4650-B-#

Example:eLED-46 **1** - **2**

- 1** Hight (mm)
- 2** Anodising Color
 - B-Black
 - C-Clear
 - Z-Custom



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.

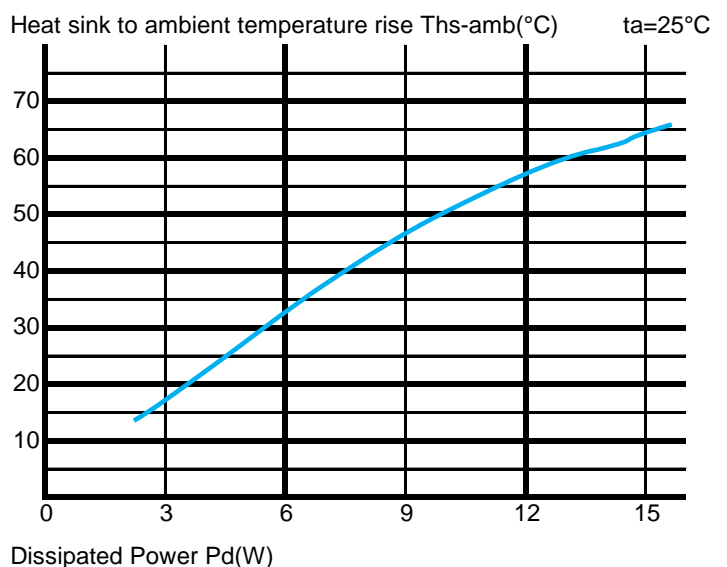
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The thermal data table

	 <i>eLED-4650</i>
Model No.	eLED-4650
Size	Φ46.5xH50mm
Material	AL6063-T5
Finish	Black Anodized
Weight(g)	101
Thermal Wattage	10.0W
Heatsink Θ_{s-a^2}	44278
Heat Sink T_{Rise Above Ambient} ($^{\circ}$C/W)	5.00

Dissipated Power Pd(W)	Pd = Pe x (1- η L)	Heat sink to ambient thermal resistance Rhs-amb ($^{\circ}$ C/W)	Heat sink to ambient temperature rise Ths-amb ($^{\circ}$ C)
		eLED-4650	
3		5.67	17
6		5.50	33
9		5.22	47
12		4.83	58
15		4.33	65



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.