



for

LED



EtraLED

EtraLED-4850 Modular Passive LED Star Heat Sink  $\Phi$ 48mm

### 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 4.2°C/W.
- \* Modular design with mounting holes foreseen for direct mounting of a wide range of LED modules and COB's:
- \* Diameter 48mm - Standard height 50mm , Other heights on request.
- \* Extruded from highly conductive aluminum.

2 standard colors - clear anodized - black anodized  
Zhaga Book 3 Spot Light Modules Edison, Osram ,Xicato, Bridgelux, Citize, Cree , Tridonic ,LumiLEDs, Seoul , Lustrous, Prolight , Luminus ,LG ,Samung ,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) Philips Fortimo SLM LED engines.
- 6) Lumileds Luxeon COB's 1203, 1204, 1205,Luxeon K arrays K12, K16;
- 7) Osram Soleriq S13, S19, E30
- 8) Seoul Semiconductor ZC6, ZC12;
- 9) Tridonic TALEXXmodule SLE modules.
- 10) LG Innotek LEMWM18 10W, 13W;
- 11) Edison EdiLex SLM and EdiLex II COB LED engines.
- 12) Lustrous Lustrous Series,Lustrous M Series,Lustrous V5 Series Lustrous 6 Series ;LL604F;
- 13) Prolight Opto PABS, PABA, PACB, PANA
- 14) Luminus CLM-9,CXM-9,CHM-9 COB engines.
- 15) Vossloh-Schwabe LUGA Shop and LUGA C LED engines.
- 16) Samung LC013 COB LED engines.
- 17) SHARP Mini Zenigata LED engines.



### Order Information

Example:EtraLED-4850-B-#

Example:EtraLED-48 **1** - **2**

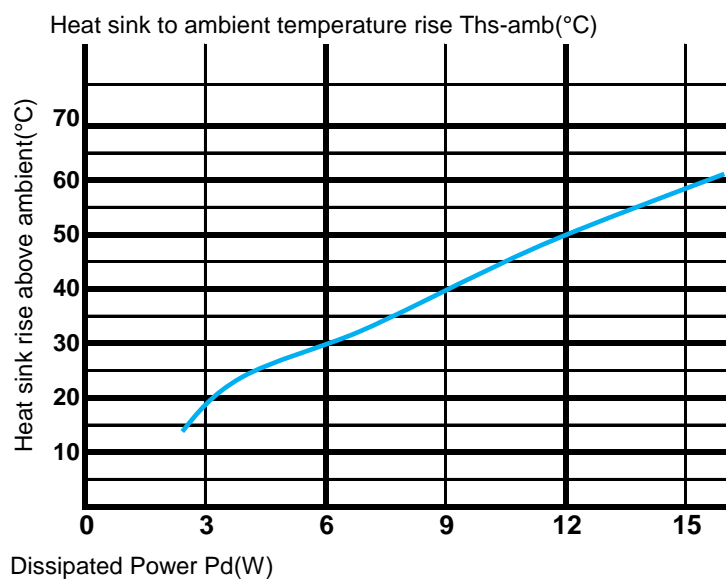
- 1** Hight (mm)
- 2** Anodising Color  
B-Black  
C-Clear  
Z-Custom

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.

#### The thermal data table

	 <i>EtraLED-4850</i>
<b>Model No.</b>	EtraLED-4850
<b>Size</b>	$\Phi$ 48xH50mm
<b>Material</b>	AL6030-T5
<b>Finish</b>	Black Anodized
<b>Weight(g)</b>	134
<b>Thermal Wattage</b>	12W
<b>HeatsinkOs-a<sup>2</sup></b>	36868
<b>Heat Sink RiseT</b> Rise Above Ambient ( $^{\circ}$ C/W)	4.2

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)
		EtraLED-4850	EtraLED-4850
2.5W		5.6	14
4.5W		5.3	24
7.0W		4.6	32
9.5W		4.3	41
12W		4.2	49
18W		3.7	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.