



for

LED



Active Heat Sink

AC-9655 Modular Active LED Star Heat Sink Ø96mm

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 0.46°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 55mm , Other heights on request.
 - * Extruded from highly conductive aluminum.
 - 2 standard colors - clear anodised - black anodised
- Zhaga Book 3 Spot Light Modules Edison , Osram ,Bridgelux , Citizen , Cree , Lumileds ,Tridonic Vossloh-Schwabe , LG , Seoul , Luminus , Prolight ,SHARP ,Samung , Lustrous .Philips.....



- 1) Bridgelux ESS, ESR, Vero 10, Vero 13, Vero 18, Vero 29 V-series;
- 2) Citizen CLL022-CLU024, CLL032-CLU034, CLL040-CLU044;
- 3) Cree XLamp CXA13xx, CXA15xx, CXA18, CXA25;
- 4) Philips Fortimo SLM LED engines.
- 5) Lumileds Luxeon COB's 1203, 1204, 1205, Luxeon K arrays K12, K16;
- 6) LG Innotek LEMWM18 27W, 24W, 40W, 60W, 80W;
- 7) Seoul Semiconductor ZC25, ZC40, ZC60, ZC100 Series;
- 8) Tridonic TALEXXmodule SLE Modules engines;
- 9) Edison EdiLex SLM and EdiLex II COB LED engines;
- 10) OSRAM PrevaLED Core, SOLERIQ P, SOLERIQ E and SOLERIQ S LED engines;
- 11) Prolight Opto PABS, PABA, PACB, PANA;
- 12) SHARP Tiger Zenigataand and Mega Zenigata LED engines;
- 13) Samung COB LC026B, LC033B, LC040BCOB LED engines;
- 14) Vossloh-Schwabe Vossloh-Schwabe LUGA Shop LED engines;
- 15) Lustrous M series, LUSTRON series, Coral series, LUSTRON 5 6 series LED engines;



Order Information

Example: AC-9655-B-#

Example: AC-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.

for LED

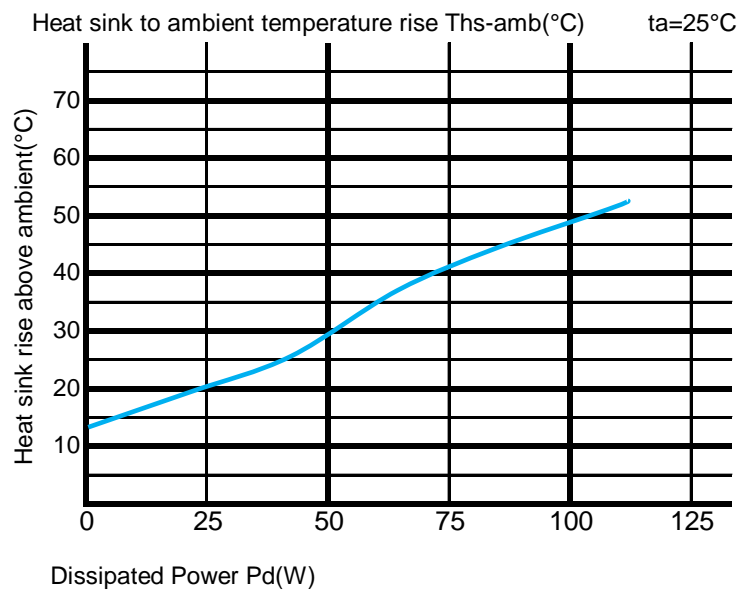
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AC-9655 Modular Active LED Star Heat Sink $\Phi 96\text{mm}$

The thermal data table

	 <p><i>Active Heat Sink</i></p>
Model No.	AC-9655
Size	$\Phi 96 \times 55\text{mm}$
Material	AL6063-T5
Fan Speed (RPM)	15
Noise @ 1m (dBA)	<21
Fan Voltage (Vdc)	12V
Weight(g)	290
Thermal Wattage	110W
HeatsinkΘ_{s-a}^2	73310
Heat Sink Rise$T_{\text{rise Above Ambient}} (^{\circ}\text{C/W})$	0.46

Dissipated Power Pd(W)	Pd = Pe x (1- η L)	Heat sink to ambient thermal resistance Rhs-amb ($^{\circ}\text{C/W}$)	Heat sink to ambient temperature rise Ths-amb ($^{\circ}\text{C}$)
		AC-9655	AC-9655
25		0.5	12
30		0.49	15
35		0.49	17
40		0.48	19
50		0.48	24
70		0.47	33
80		0.47	37



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.