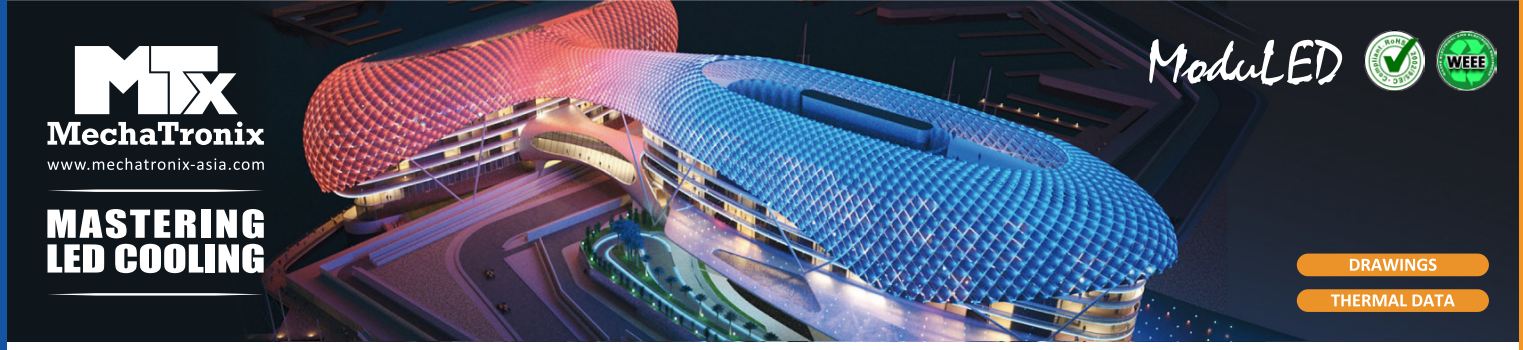
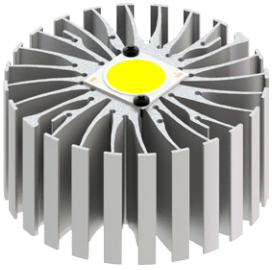


ModuLED Modular Passive Star LED Cooler ø99mm

Features & Benefits

- For spot and downlight designs from 3,600 to 9,400 lumen
- Thermal resistance range Rth 1.02 - 1.34°C/W
- Modular design with mounting holes foreseen for a wide range of LED modules and COB's:
  - All Zhaga Book 3 LED engines and holders
  - Bridgelux Vero & Décor Vero 13/18, Vero SE & Décor Vero SE 13/18, Gen7 V13/18/22, Gen7 V9 HD, Vesta Dim-To-Warm 15mm
  - Citizen Citiled CLU038/03J, CLU048/04J, CLU712
  - Cree XLamp CMT14/19/28, CMA15/18/25
  - Edison Opto EdiPower III HM16/24/30/40, Edilex SLM modules
  - LG Innotek LEMWM18 10W/13W/17W/24W, LEMWM28
  - Lumileds Luxeon Gen4 Range 1205/1208/1211/1216/1812, Gen4 Range High Density 1204/1205
  - Luminus Xnova CHM-11-XH00, CVM-14, CXM-18, CVM-18, CLM-22, CXM-22 (ACxx) CXM-11, CLM-14, CXM-14, CHM-14
  - Nichia NFCWL036B/048B/060B/072B, NFCWD084B/096B, NFCWJ108B/120B, NFDWJ130B, NVEWL016Z
  - Osram PrevaLED Core G7 L15 H1, G7 Food / Fashion LED modules
  - Philips Fortimo SLM Gen4, 1205 - 1208 Gen6 LED modules
  - Prolight Opto PACF, PACG
  - Seoul Semiconductor ZC18, ZC25, ZC40, ZC60, Acrich MJT 19x19/28x28mm
  - Tridonic TALEXXmodule SLE Gen 5 15/19/23mm, SLE Gen 6 15/17mm D50, GEN6 19/23mm Advanced, G6 19/23mm FOOD/FASHION/ART EXC, SLE G7 ADV 15/17mm
  - Vossloh Schwabe Luga Shop Gen6 DMS120, 12C, 125, 126, 128, 18B
  - Xicato Chip on Board LED light source XOB14/23
- Diameter 99mm - Standard height 50mm & 80mm
  Other heights on request
- Extruded from highly conductive aluminum

Zhaga Book 3



Order Information

LED Holders

BENDER +WIRTH · BJB · IDEAL · TE connectivity

LED Brands

bridgelux · CITIZEN Micro Humantech · CREE · EDISON · LG Innotek · Lit by LUMILEDS · LUMINUS · NICHIA · OSRAM · LED Light for you powered by OSRAM CERTIFIED PARTNER · PHILIPS · ProLight Opto Technology Corporation · SEOUL SEMICONDUCTOR · TRIDONIC · VS LIGHTING SOLUTIONS · Xicato

Example : ModuLED 9950-B

ModuLED 99 **1** - **2**

1 Height (mm)

2 Anodising Color
B - Black
C - Clear

ModuLED is designed in this way that you can mount LED modules from various manufacturers on the same LED cooler

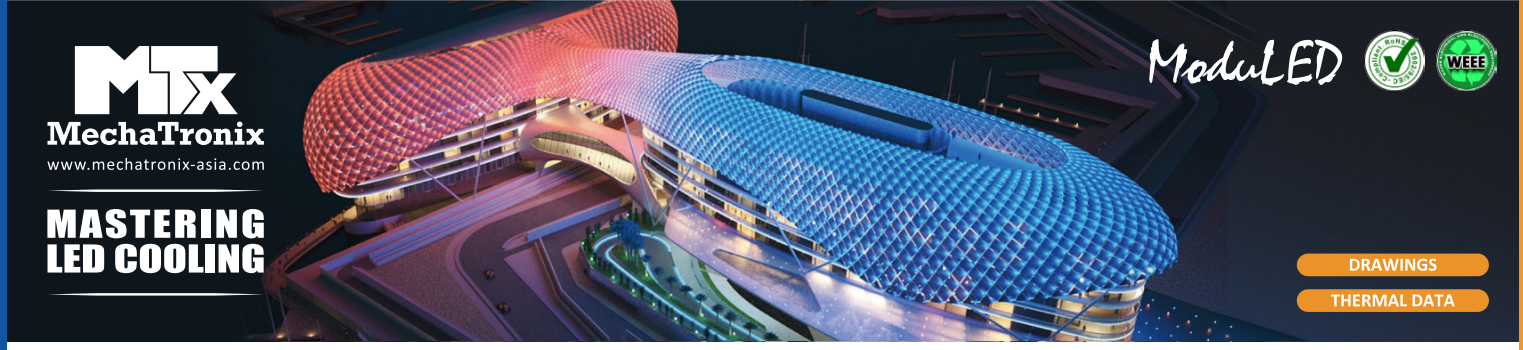
Simple mounting with M3 x 6mm self tapping screws

Recommened screw force 6lb/in

Screws are avaliable from MechaTronix

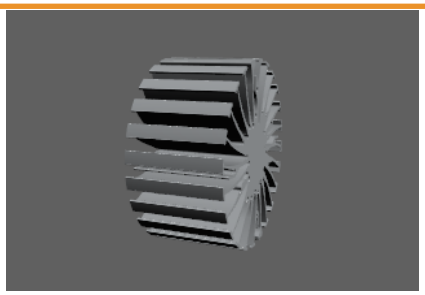
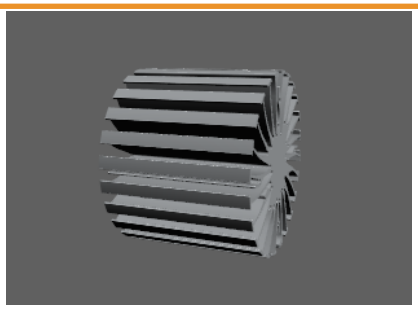
No.818, Dashun 2nd Rd., Sanmin Dist., Kaohsiung City 80787, Taiwan
sales@mechatronix-asia.com www.led-heatsink.com www.mechatronix-asia.com
Tel: +886-7-381-5892 Fax: +886-7-383-9293 VAT: 28600841

MechaTronix



ModuLED Modular Passive Star LED Cooler ø99mm

Product Details

Model n°	 ModuLED 9950	 ModuLED 9980
Dimension (mm)[*1]	ø99 x h50	ø99 x h80
Volume (mm^3)	137181	219491
Cooling Surface (mm^2)	104563	164008
Weight (gr)	356	573
Thermal Resistance (°C/W)[*2]	1.34	1.02
Power Pd (W)[*3]	37.3	48.9
Heat Sink Material	AL6063-T5	AL6063-T5

[*1] 3D files are avaliable in ParaSolid, STP and IGS on request

[*2] The thermal resistance Rth is determined with a calibrated heat source of 30mm x 30mm central placed on the heat sink, Tamb 40° and an open environment. Reference data @ heat sink to ambient temperature rise Ths-amb 50°C
The thermal resistance of a LED cooler is not a fix value and will vary with the applied dissipated power Pd

[*3] Dissipated power Pd. Reference data @ heat sink to ambient temperature rise Ths-amb 50°C
The maximal dissipated power needs to be verified in function of required case temperature Tc or junction temperature Tj and related to the estimated ambient temperature where the light fixture will be placed
Please be aware the dissipated power Pd is not the same as the electrical power Pe of a LED module

To calculate the dissipated power please use the following formula: Pd = Pe x (1-ηL)
Pd - Dissipated power
Pe - Electrical power
ηL = Light effciency of the LED module

Notes:

- MechaTronix reserves the right to change products or specifications without prior notice.
- Mentioned models are an extraction of full product range.
- For specific mechanical adaptations please contact MechaTronix.

No.818, Dashun 2nd Rd., Sanmin Dist., Kaohsiung City 80787, Taiwan
sales@mechatronix-asia.com www.led-heatsink.com www.mechatronix-asia.com
Tel: +886-7-381-5892 Fax: +886-7-383-9293 VAT: 28600841

MechaTronix