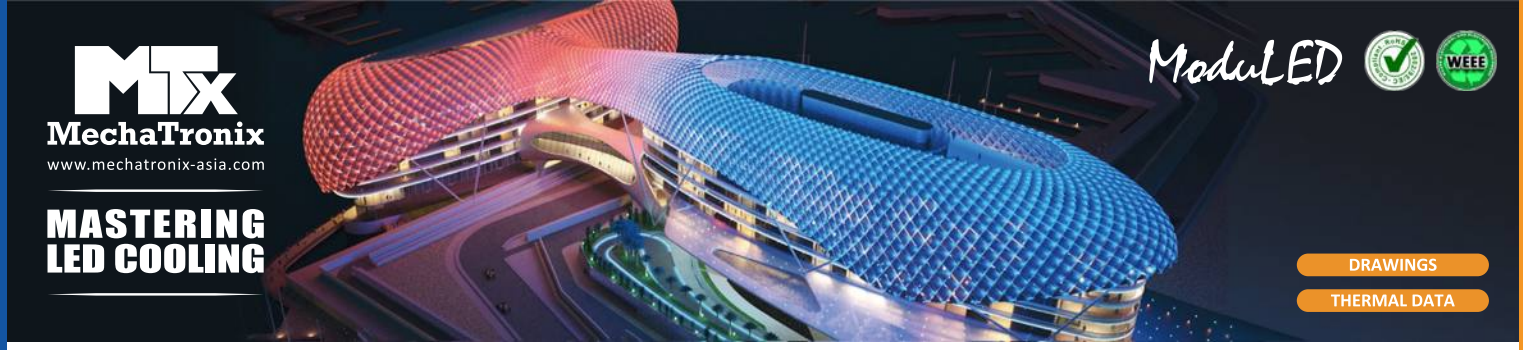
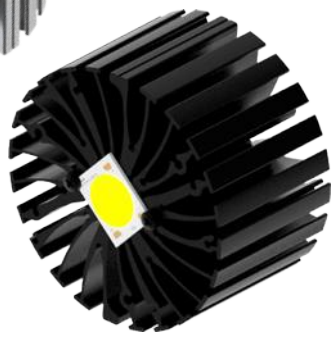



# ModuLED Micro Modular Passive Star LED Cooler ø86mm

## Features & Benefits

- For spot and downlight designs from 2,700 to 8,000 lumen
- Thermal resistance range Rth 1.2 - 1.8°C/W
- Modular design with mounting holes foreseen for a wide range of LED modules and COB's:
  - All Zhaga Book 3, Book 11 LED engines and holders
  - Bridgelux Gen7 Vero & Décor Vero 10/13/18, Vero SE & Décor Vero SE 10/13/18, Gen7 V 10/18/22, Vesta Tunable White 9/13mm & Dim-To-Warm 9/15mm
  - Citizen Citiled CLU028/02J, CLU038/03J, CLU048/04J, CLU702, CLU712
    Cree XLamp CXA13, CXB13, CXA15, CXB15, CXA18, CXB18, CXA25, CXB25
  - Edison EdiPower II Star, Edison EdiPower III HM09/13/16/24/30/40
  - LG Innotek LEMWM18 10W, 13W, 17W, 24W, LEMWM28, Eagle Eye
  - Lumileds Gen4 Luxeon 1203, 1204, 1205, 1211, 1216, 1812
  - Luminus Gen4 CLM-9/14/22, CXM-9(AC/AA)/14(AC)/18/22, CIM-14/22, CLM-14/22, CGM-14, Gen3 CXM-9(AC)/11(AC)/14(AC)/18(AA)/22(AC), CHM-9(XD20), CIM-14(AC), CLM-14(AC)/22(AC), Dynamic CDM-14/18, CTM-18
  - Nichia NTCWT012B, NTCWS024B, NFCWL036-048-060-072B, NFCWD084-096B, NFCWJ108-120B, NFDWJ130B, NVNWS007Z, NJCWS024Z, NVEWL016Z
  - Osram PrevaLED Cube G2/AC
  - Philips Fortimo DLM Gen5
  - Prolight Opto PACE, PACF, PACG
  - Seoul Semiconductor ZC6, ZC12, ZC18, ZC25, ZC40
  - Sharp Mega Zenigata, Tiger Zenigata, Mini Zenigata
  - Tridonic TALEXXmodule SLE GEN1 11/15mm, SLE GEN5 06/11/15mm, SLE GEN6
  - 10/15/17mm, DLE GEN2, GEN3 65mm
  - Xicato Chip on Board LED light source XOB14/23
- Diameter 86mm - Standard height 30mm & 50mm & 80mm
  Other heights on request
- Extruded from highly conductive aluminum

Zhaga
Book 3
Book 11



## 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 · SHARP · TRIDONIC · LIGHTING SOLUTIONS · Xicato

**Example : ModuLED Micro 8650-B**

ModuLED Micro 86 **1** - **2**

**1** Height (mm)

**2** Anodising Color
B - Black
C - Clear

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

Simple mounting with self tapping screws

Recommened screw force 6lb/in

Screws are avaliable from MechaTronix

No.818, Dashun 2nd Rd., Sanmin Dist., Kaohsiung City 80787, Taiwan
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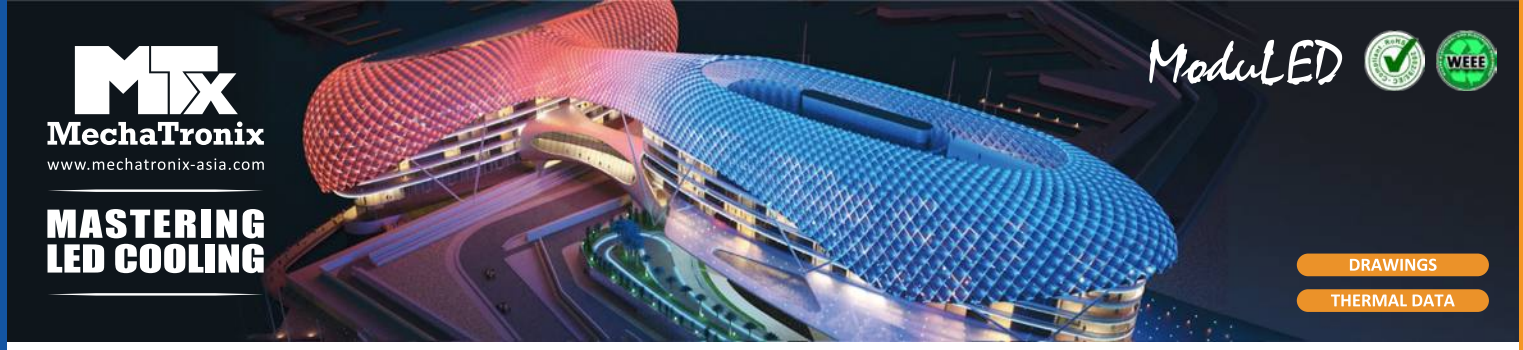
MechaTronix




# ModuLED Micro Modular Passive Star LED Cooler ø86mm

## Product Details

| Model n° |  ModuLED Micro 8630 |  ModuLED Micro 8650 |  ModuLED Micro 8680 |
|---|---|---|---|
| Dimension (mm)*1 | ø86 x h30 | ø86 x h50 | ø86 x h80 |
| Volume ($mm^3$) | 63046 | 105077 | 168123 |
| Cooling Surface ($mm^2$) | 58993 | 95520 | 150311 |
| Weight (gr) | 170 | 284 | 454 |
| Thermal Resistance (°C/W)*2 | 1.8 | 1.5 | 1.2 |
| Power Pd (W)*3 | 28 | 33 | 42 |
| Heat Sink Material | AL6063-T5 | 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.

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