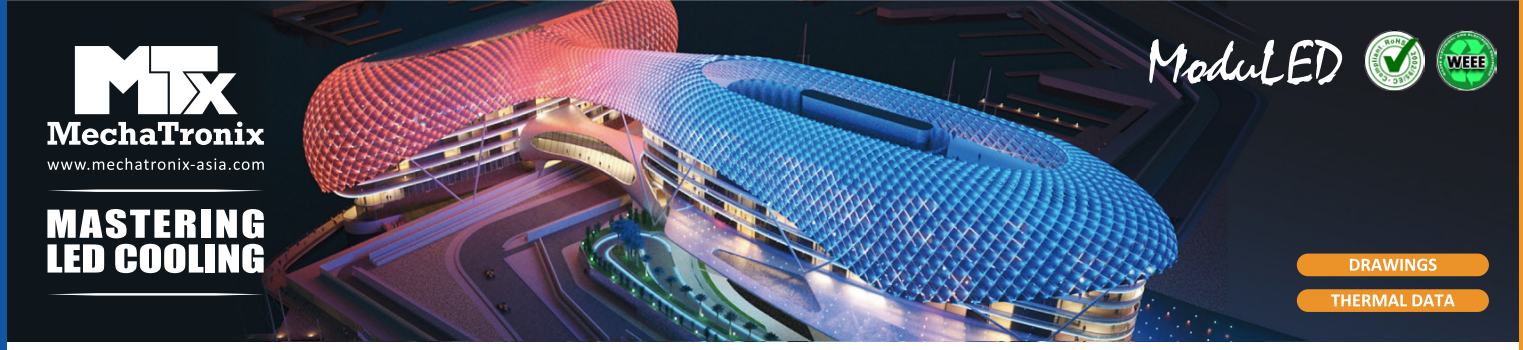
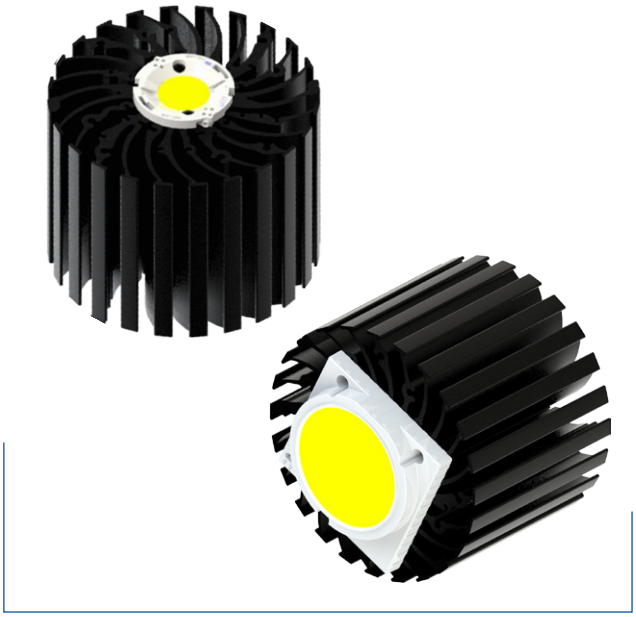



# ModuLED Mega Modular Passive Star LED Cooler ø134mm

## Features & Benefits

- For low and high bay designs from 3,700 to 14,300 lumen
- Thermal resistance range Rth 0.67 - 1.32°C/W
- Modular design with mounting holes foreseen for a wide range of LED modules and COB's:
  - Zhaga Book 3 Spot Light Modules Edison Edilex SLM, Osram PrevaLED Core Z3/Z4, Philips Fortimo SLM Gen4, Seoul Semiconductor Acrich AC Zhaga, Sharp INTERMO, Tridonic TALEXXmodule SLE G5/G6, Vossloh Schwabe Luga Shop, ...
  - Bridgelux Gen7 Vero & Décor Vero 18/29, Vero SE & Décor Vero SE 13/18/29, Gen7 V 22
  - Citizen Citiled CLU036-CLU038, CLU046-CLU048, CLU710, CLU720, CLU730
  - Cree XLamp CXA18, CXB18, CXA25, CXB25, CXA30, CXB30
  - Edison EdiPower III HM24/30/40, High Power series
  - GE Infusion M, DLM, NPM series LED module
  - LG Innotek LEMWM18 17W, 24W, LEMWM28
  - Lumileds Gen4 Luxeon 1204, 1205, 1208, 1211, 1216, 1812, 1321
  - Luminus CHM-11-XH00, CHM-14 (ACxx), CVM-14, CXM-18, CVM-18, CLM-22, CXM-22,
  - CHM-22
    Nichia Nichia NFCWL060-072B,NFCWD084-096B, NFCWJ108-120, NFDWJ130B,
  - NVEWL016Z, NVCWL024Z
    Osram PrevaLED Cube G2/AC
  - Osram Soleriq S19
  - Philips Fortimo DLM Gen5
  - Prolight Opto PACF, PACG
  - Seoul Semiconductor ZC18, ZC25, ZC40, ZC60, ZC100
  - Sharp Mega Zenigata, Tiger Zenigata
  - Tridonic TALEXXmodule SLE GEN5 15mm, DLE GEN2, GEN3 65mm
  -
- Diameter 134mm - Standard height 20 / 50 / 100mm
  Other heights on request
- Extruded from highly conductive aluminum



## Order Information

Zhaga · EDISON · OSRAM Opto Semiconductors · BJB · GE Lighting · PHILIPS · IDEAL · LG Innotek · ProLight Opto Technology Corporation · TE connectivity · Lit by LUMILEDS · SEOUL SEMICONDUCTOR · bridgelux · LUMINUS · SHARP · CITIZEN Micro HumanTech · NICHIA · TRIDONIC · CREE · OSRAM · LIGHTING SOLUTIONS

**Example : ModuLED Mega 134100-B**

ModuLED Mega 134 **1** - **2**

**1** Height (mm)

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

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

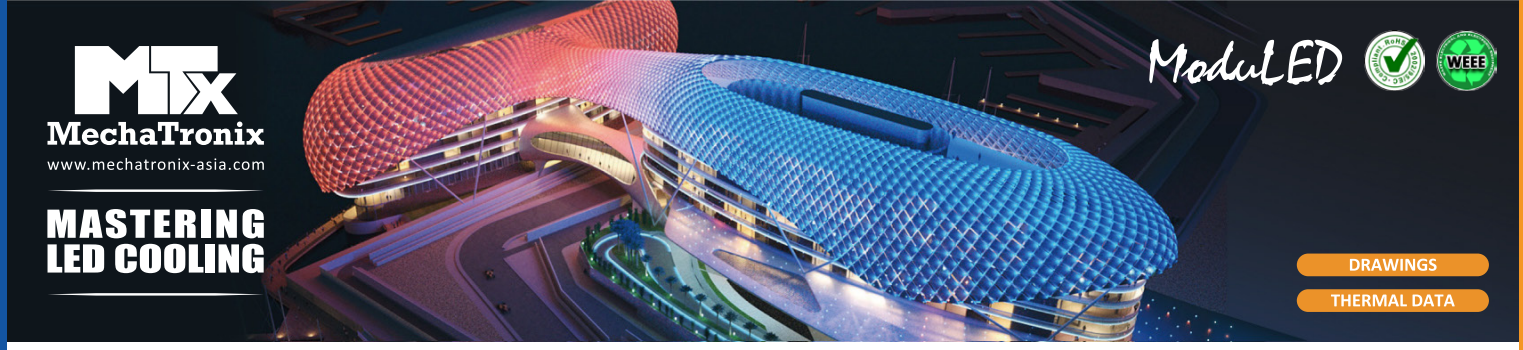
Simple mounting with self tapping screws

Recommened screw force 6lb/in

Screws are avaliable from MechaTronix

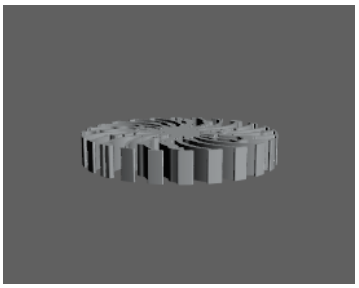
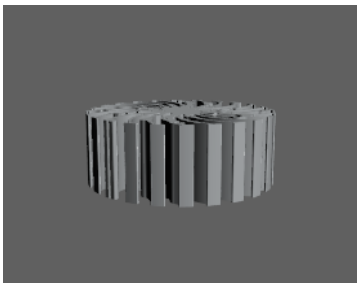
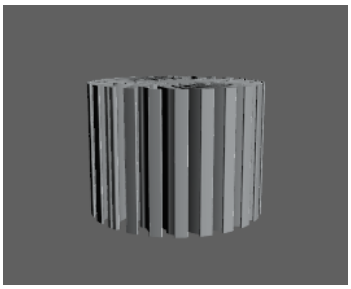
No.818, Dashun 2nd Rd., Sanmin Dist., Kaohsiung City 80787, Taiwan
sales@mechatronix-asia.com www.led-heatsink.com www.mechatronix-asia.com
Tel: +886-7-381-5892 Fax: +886-7-383-9293 VAT: 28600841

MechaTronix




# ModuLED Mega Modular Passive Star LED Cooler ø134mm

## Product Details

| Model n° |  ModuLED Mega 13420 |  ModuLED Mega 13450 |  ModuLED Mega 134100 |
|---|---|---|---|
| Dimension (mm)*1 | ø134 x h20 | ø134 x h50 | ø134 x h100 |
| Volume ($mm^3$) | 114021 | 285658 | 571720 |
| Cooling Surface ($mm^2$) | 71625 | 161517 | 311336 |
| Weight (gr) | 308 | 771 | 1544 |
| Thermal Resistance (°C/W)*2 | 1.32 | 0.88 | 0.67 |
| Power Pd (W)*3 | 38 | 57 | 75 |
| 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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