

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:
 - All Zhaga Book 3 LED engines and holders
 - Bridgelux Gen7 Vero & Décor Vero 18/29, Vero SE & Décor Vero SE 13/18/29, Gen7 V 22 Citizen Citiled CLU038/03J, CLU048/04J, CLU712
 - Cree XLamp CXA/CXB18, CXA/CXB25, CXA/CXB30, CMT14/19/28, CMA15/18/25/30
 - 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
 - Xicato Chip on Board LED light source XOB14/23
- Diameter 134mm - Standard height 20 / 50 / 100mm
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

GE
Lighting

LG Innotek

Li by
LUMILEDS

LUMINUS

NICHIA

OSRAM

OSRAM
Opto Semiconductors

LED Light for you
powered by OSRAM
CERTIFIED PARTNER

PHILIPS

Prolight Opto
Technology Corporation

SEOUL
SEMICONDUCTOR

SHARP

TRIDONIC

VLS LIGHTING
SOLUTIONS

Xicato

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

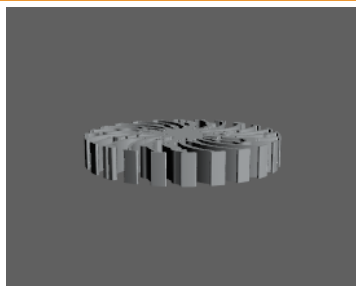
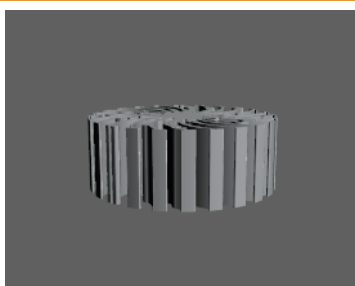
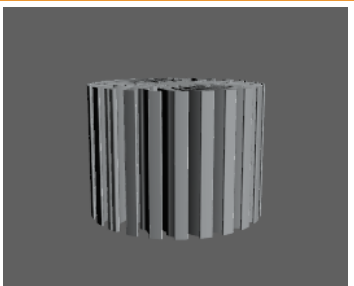
Simple mounting with self tapping screws

Recommended screw force 6lb/in

Screws are available from MechaTronix

ModuLED Mega Modular Passive Star LED Cooler ø134mm

Product Details

Model n°			
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 available 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: $P_d = P_e \times (1 - \eta_L)$

Pd - Dissipated power

Pe - Electrical power

η_L = Light efficiency 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.