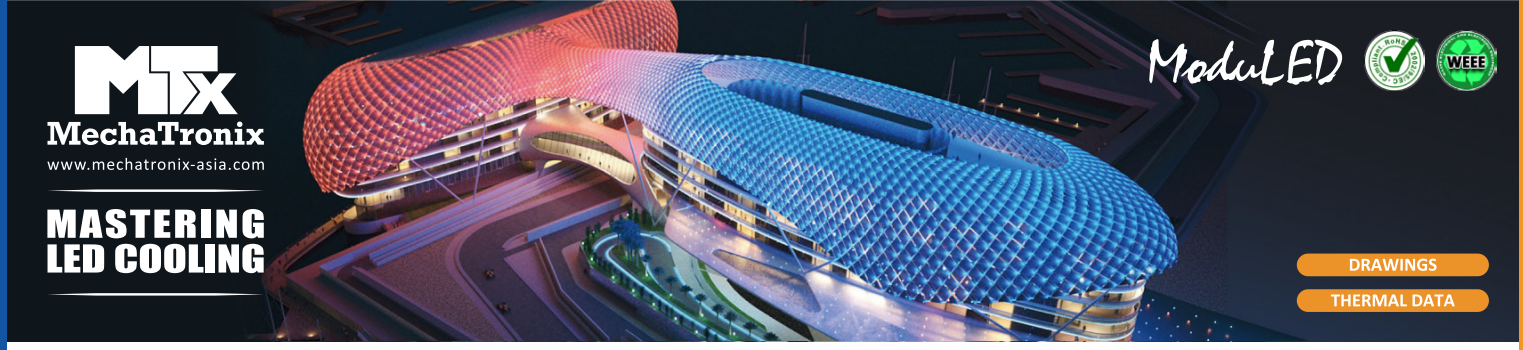
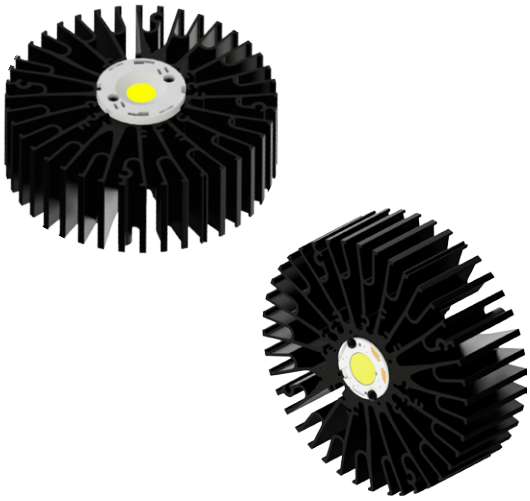


ModuLED Giga | Bridgelux Modular Passive Star LED Cooler ø152mm

Features & Benefits

- The ModuLED Giga modular passive LED coolers are specifically designed for luminaires using Bridgelux COB LED arrays. Mechanical compatibility with direct mounting of the LED modules to the LED cooler and thermal performance matching the lumen packages.
- For spot and downlight designs from 4,300 to 13,500 lumen
- Thermal resistance range Rth 0.7 - 1.13°C/W
- Modular design with mounting holes foreseen for Bridgelux Gen 7 Vero & Décor Vero 18, Vero SE & Décor Vero SE 10/ 13/29, Gen 7 V 18/22, Vesta Tunable White 9/13 mm & Dim-To-Warm 15mm LED COB and modules, direct mounting or by LED holder.
- Diameter 152mm - Standard height 20mm & 50mm Other heights on request
- Extruded from highly conductive aluminum



Order Information

Zhaga

bridgelux

Example : ModuLED Giga 15250-B

ModuLED Giga 152 **1** - **2**

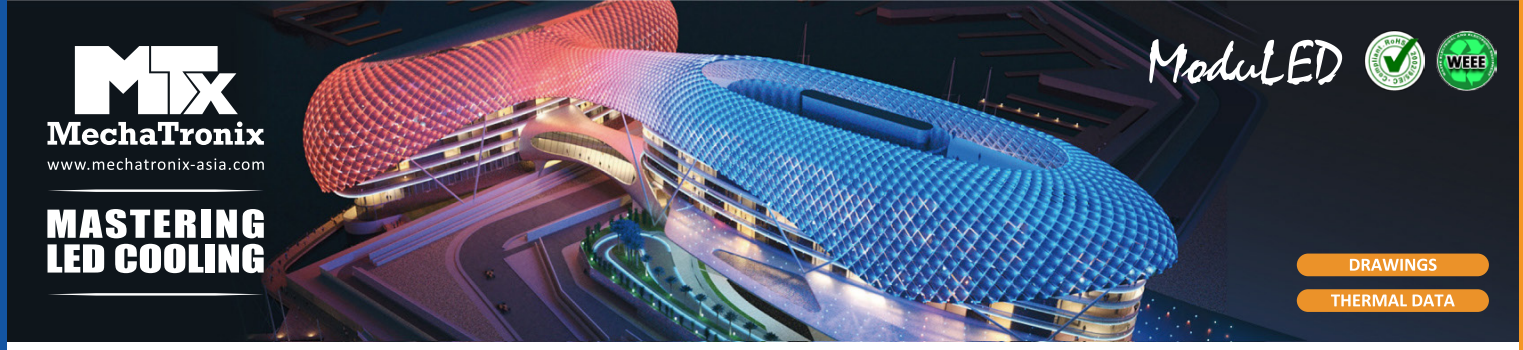
1 Height (mm)

2 Anodising Color
B - Black
C - Clear

Simple mounting with self tapping screws
Recommened screw force 6lb/in
Screws are avaliable from MechaTronix

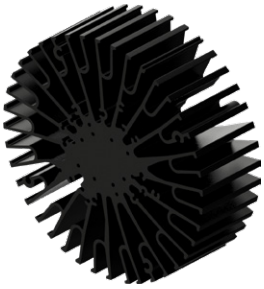
No.818, Dashun 2nd Rd., Sanmin Dist., Kaohsiung City 80787, Taiwan
sales@mechatronix-asia.com www.led-heatsink.com www.mechatronix-asia.com
Tel: +886-7-381-5892 Fax: +886-7-383-9293 VAT: 28600841

MechaTronix



ModuLED Giga Modular Passive Star LED Cooler ø152mm

Product Details

Model n°	 ModuLED Giga 15220	 ModuLED Giga 15250
Dimension (mm)*1	ø152 x h20	ø152 x h50
Volume (mm^3)	116158	290965
Cooling Surface (mm^2)	83469	190296
Weight (gr)	314	786
Thermal Resistance (°C/W)*2	1.13	0.7
Power Pd (W)*3	44	71
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: $Pd = Pe \times (1-\eta L)$
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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