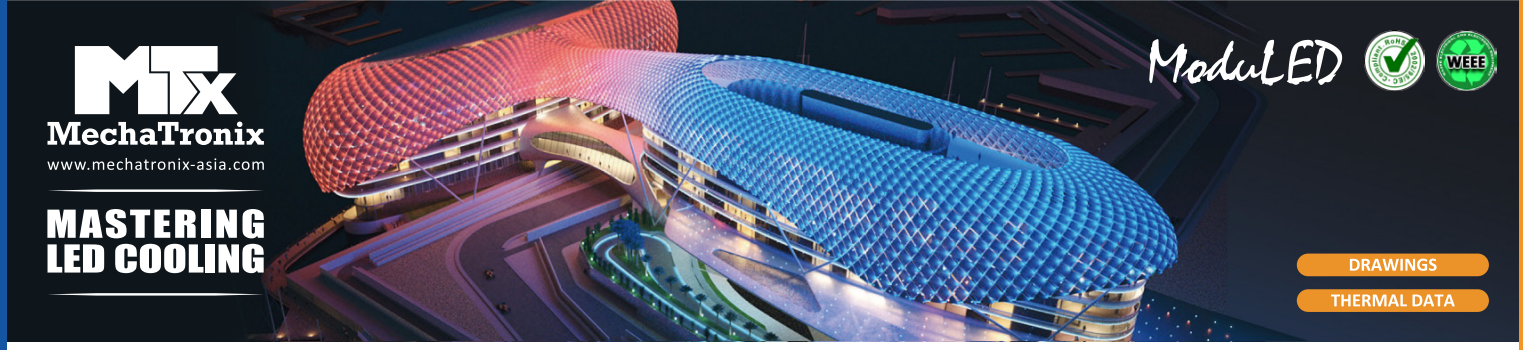
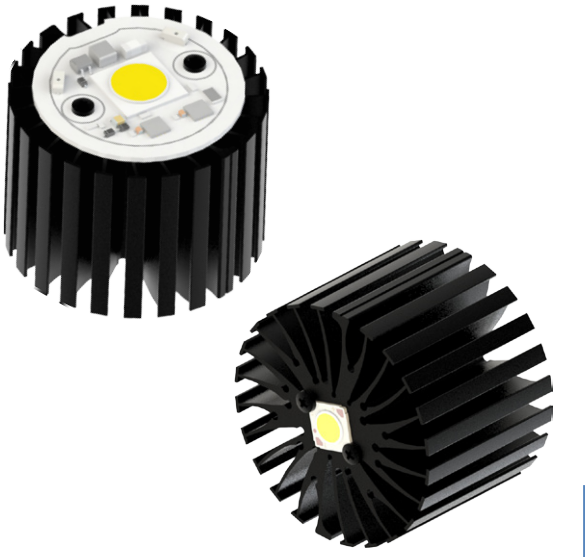


ModuLED Nano | Seoul Semiconductor Modular Passive Star LED Cooler ø70mm

Features & Benefits

- The ModuLED Nano modular passive LED coolers are specifically designed for luminaires using Seoul Semiconductor LED COB. 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 2,200 to 5,300 lumen
- Thermal resistance range Rth 1.8 - 2.2°C/W
- Modular design with mounting holes foreseen for Seoul Semiconductor ZC6, ZC12, ZC18, ZC25, ZC40, ACrich AC Zhaga LED COB, direct mounting or by LED holder.
- Diameter 70mm - Standard height 50mm & 80mm
  Other heights on request
- Extruded from highly conductive aluminum



Order Information

Zhaga

SEOUL SEMICONDUCTOR

Example : ModuLED Nano 7050-B

ModuLED Nano 70 **1** - **2**

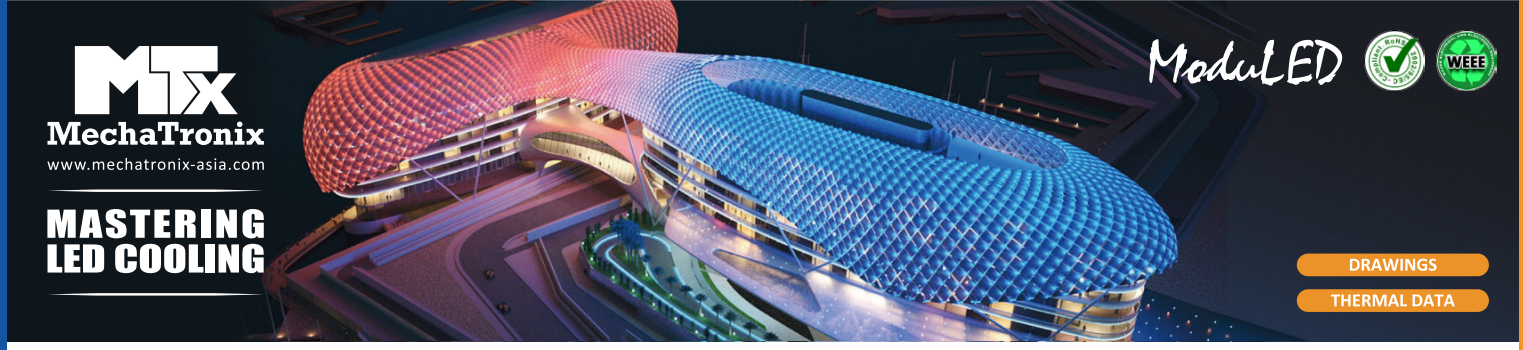
1 Height (mm)

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 Nano Modular Passive Star LED Cooler ø70mm

Product Details

Model n°	ModuLED Nano 7050	ModuLED Nano 7080
Dimension (mm)*1	ø70 x h50	ø70 x h80
Volume (mm^3)	69498	112480
Cooling Surface (mm^2)	66919	104875
Weight (gr)	188	304
Thermal Resistance (°C/W)*2	2.2	1.8
Power Pd (W)*3	22.7	27.8
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.

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