

ModuLED Xtra Modular Passive Star LED Cooler ø99mm

Features & Benefits

- For spot and downlight designs from 3,600 to 9,400 lumen
- Thermal resistance range Rth 1.02 - 1.34°C/W
- Modular design with mounting holes foreseen for a wide range of LED modules and COB's:

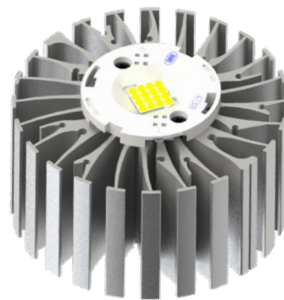
- All Zhaga Book 2, Book 3, Book 5, Book 6, Book 11 LED engines and holders
- Bridgelux Gen 7 Vero & Décor Vero 13/18, Vero SE & Décor Vero SE 10/13, Gen 7 V 10/13/18/22, Vesta Tunable White 9/13 mm & Dim-To-Warm 15mm
- Citizen citiled CLU03J, CLU04J, CLU712
- Cree XLamp CXA13/15/18/25, CXB13/15/18/25, CMT14/19/28, CMA15/18/25
- Edison Opto EdiPower III HM16/30/40, Edilex SLM modules
- GE Lighting M-series, DLM, NPM series LED Modules
- Lumileds Luxeon Gen4 1204, 1205, 1208, 1211, 1216, 1812, 1321
- Luminus Gen4 CXM-9(AC/AA)/14(AC)/18/22, CIM-14/22, CLM-14/22, CGM-14, Gen3 CHM-9(XD20), CXM-11(AC)/14(AC)/18(AA)/22(AC), CIM-14(AC), CLM-14(AC)/22(AC), Dynamic CDM-14/18, CTM-22
- Nichia NFCWL036B/048B/060B/072B, NFCWD084B/D096B/J108B/J120B, NFDWJ130B, NVNWS007Z, NJCWS024Z, NVEWL016Z
- Osram PrevaLED Core Z3, Z4, AC, AC PRO LED modules
- Philips Fortimo SLM Gen4 2000/3000/4500 LED modules
- Prolight Opto PACE, PACF, PACG
- Seoul Semiconductor Acrich MJT COB 19x19/28x28mm, SunLike 19x19mm, ZC18, ZC25/40/60
- Sharp INTERMO Standard / Slim, Mega Zenigata, Tiger Zenigata, Mini Zenigata
- Tridonic module SLE G7 15/17/21mm
- Vossloh Schwabe Luga Shop Gen6 DMS12C, 120, 125, 126, 128, 18B
- Xicato Chip on Board LED light source XOB14/23

- Diameter 99mm - Standard height 50mm & 80mm
Other heights on request

- Extruded from highly conductive aluminum

Zhaga

Book 2
Book 3
Book 5
Book 6
Book 11



Order Information

LED Holders

**BENDER
+ WIRTH**

BJB

IDEAL

TE
connectivity

LED Brands

bridgelux

CREE

EDISON

GE Lighting

Lit by
LUMILEDS

NICHIA

OSRAM

LED Light for you
powered by OSRAM
CERTIFIED PARTNER

PHILIPS

ProLight Opto
Technology Corporation

SEUL
SEOUL SEMICONDUCTOR

SHARP

TRIDONIC

VLS LIGHTING
SOLUTIONS

Xicato

Example : ModuLED Xtra 9950-B

ModuLED Xtra 99 **1** - **2**

1 Height (mm)

2 Anodising Color
B - Black
C - Clear

ModuLED Xtra 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 Xtra Modular Passive Star LED Cooler ø99mm

Product Details

Model n°	ModuLED Xtra 9950	ModuLED Xtra 9980
Dimension (mm)* ¹	ø99 x h50	ø99 x h80
Volume (mm ³)	147282	236160
Cooling Surface (mm ²)	106079	167047
Weight (gr)	398	638
Thermal Resistance (°C/W)* ²	1.34	1.02
Power Pd (W)* ³	37.3	48.9
Heat Sink Material	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.