

IceLED Xtra Ultra Modular Active Star LED Cooler ø99mm

Features & Benefits

- For high bays, flood lights and industrial lighting designs from 19,000 to 38,000 lumen
- Thermal resistance range Rth 0.25°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 Gen7 Vero/Décor Vero/Vero SE/Décor Vero SE 29
 - Cree XLamp CXA/CXB18-25-30
 - Edison Opto EdiPower II HM/HR/SD, Edilux SLM LED modules
 - GE Lighting M-series, DLM, NPM series LED Modules
 - Lumileds Luxeon 1208, 1211, 1216
 - Prolight Opto PACG, PACD
 - Sharp INTERMO Standard / Slim, Mega Zenigata
 - Vossloh Schwabe WU-M-467/443/485/486/462/464
- Diameter 99mm - Height 75mm
Other heights on request
- High lifetime design > 60Khrs (L 10 life time @40°C)
- Warranty 5 years



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

Prolight Opto
Technology Corporation

SHARP

VS LIGHTING
SOLUTIONS

Example : IceLED Xtra Ultra

IceLED Xtra **1**

1 Ultra

IceLED Xtra Ultra 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

IceLED Xtra Ultra Modular Active Star LED Cooler ø99mm

Product Details



IceLED Xtra Ultra

Model n°

Dimension (mm) ^{*1}	ø99 x h75
Fan Voltage (Vdc) ^{*2}	12
Fan Speed (RPM)	3000
Noise @ 1m (dBA)	<39
Weight (gr)	425
Thermal Resistance (°C/W) ^{*3}	0.25
Power Pd (W) ^{*4}	200
Heat Sink Material	AL6063-T5

^{*1} 3D files are available in ParaSolid, STP and IGS on request

^{*2} The fan requires a constant voltage power source of 12Vdc, 230mA, 2.76W

^{*3} 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

^{*4} 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

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.