

ModuLED Mega-HBG High Bay LED Cooler ø134mm with driver connection system

Features & Benefits

- The ModuLED Mega HBG modular passive LED coolers are specifically designed for Low Bay, Mid Bay and High Bay luminaries with the driver mounted on the LED cooler.
- Cooling performance 5,500 to 14,300 lumen.
- Thermal resistance range Rth 0.67 - 0.88°C/W.
- Modular design with mounting holes foreseen for direct mounting of various brands LED modules and COB's, MEAN WELL HBG-60, HBG-100 LED drivers and driver box for various LED driver manufacturers.
- Diameter 134mm - Standard height 50mm & 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

DISON

GE
Lighting

LG Innotek

Lit by
LUMILEDS

LUMINUS

OSRAM

OSRAM
Opto Semiconductors

LED Light for you
powered by OSRAM
CERTIFIED PARTNER

PHILIPS

ProLight Opto
Technology Corporation

SEOUL
SEMICONDUCTOR

SHARP

TRIDONIC

VS LIGHTING
SOLUTIONS

Xicato

MW
MEAN WELL

Example : ModuLED Mega 134100-B-HBG

ModuLED Mega 134 **1** - **2** -HBG

- 1** Height (mm)
- 2** Anodising Color
B - Black
C - Clear

ModuLED Mega-HBG 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

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Product Details

Model n°	ModuLED Mega 13450-HBG	ModuLED Mega 134100-HBG
Dimension (mm) ^{*1}	ø134 x h50	ø134 x h100
Volume (mm ³)	283564	567200
Cooling Surface (mm ²)	165446	319435
Weight (gr)	766	1531
Thermal Resistance (°C/W) ^{*2}	0.88	0.67
Power Pd (W) ^{*3}	57	75
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: $Pd = Pe \times (1 - \eta_L)$

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.