– MOUNTING INSTRUCTION –

ModuLED Giga-HBG High Bay LED Cooler ø152mm with driver connection system

Product Details

Model n°	 ModuLED Giga 152100-HBG	 ModuLED Giga 152150-HBG
Dimension (mm)*1	ø152 x h100	ø152 x h150
Volume (mm^3)	566553	857898
Cooling Surface (mm^2)	363547	541592
Weight (gr)	1530	2316
Thermal Resistance (°C/W)*2	0.52	0.46
Power Pd (W)*3	95	110
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 x (1-ηL)
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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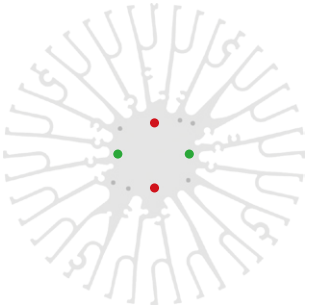
Lumileds LED Array & COB

Lit by LUMILEDS

Lumileds LUXEON COB is a new breakthrough in efficacy for arrays. Due to its industry leading small Light Emitting Surfaces (LES), the COB array is very easy work with and will enable easier and less expensive designs. All LUXEON COBs are available in a single 3-step as well as a single 5-step MacAdam Ellipse, ensuring uniform optical performance in the application. Ideal applications include down lights and directional lamps.

Mounting indicator marks overview

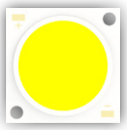
MechaTronix recommends the use of a high thermal conductive interface between the LED module and the LED cooler. Either thermal grease, a thermal pad or a phase change thermal pad thickness 0.1-0.15mm is recommended. Thermal pads or phase change thermal pads can be pre-applied from MechaTronix.

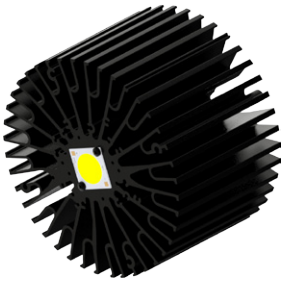


Luxeon COB 1205 - 1208

Model names
- Luxeon COB LHC1-xxxx-1205
- Luxeon COB LHC1-xxxx-1208

Mounting
- Direct mounting with 2 screws M3 x 6mm
  Red indicator marks
- With Zhaga Book 3 LED holder
  BJB spotlight connector 47.319.2011
  Ideal Industries Chip-Lok™ holder 50-2100SH
  TE Connectivity Lumawise type Z50 2213130-1
  TE Connectivity Lumawise type Z50 2213130-2
  Mounting with 2 screws M3 x 6mm
  Green indicator marks

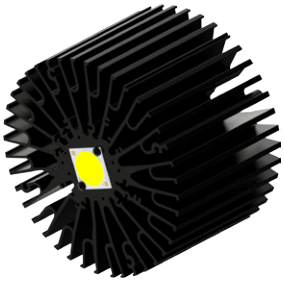




Luxeon COB 1211

Model names
- Luxeon COB LHC1-xxxx-1211

Mounting
- Direct mounting with 2 screws M3 x 6mm
  Red indicator marks
- With Zhaga Book 3 LED holder
  BJB spotlight connector 47.319.2033
  Ideal Industries Chip-Lok™ holder 50-2204CT
  Mounting with 2 screws M3 x 6mm
  Green indicator marks



Luxeon COB 1216

Model names
- Luxeon COB LHC1-xxxx-1216

Mounting
- Direct mounting with 2 screws M3 x 6mm
  Red indicator marks
- With Zhaga Book 3 LED holder
  BJB spotlight connector 47.319.2033
  Ideal Industries Chip-Lok™ holder 50-2204CT
  Mounting with 2 screws M3 x 6mm
  Green indicator marks

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