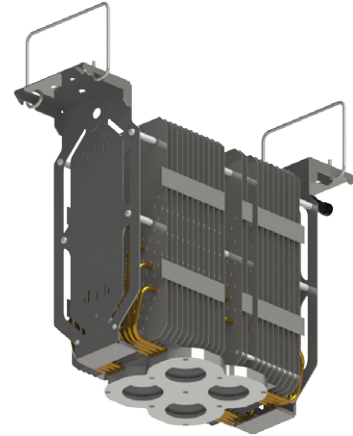


## CoolCube® Giga - High Power heat pipe LED Cooler with stack fins

### Features & Benefits

- For high bay or high mast application up to 100,000lm
- For horticulture top lighting up to 1,500 μmol/s
- 4 high power COB or LOB LED engines size 28x28mm or 38x38mm
- Rth 0.1°C/W - Pd 406W - Size W200 x L575 x H417mm
- Ultra compact size with minimal shading surface
- Ideal for horti greenhouses day light extension or supplementary lighting
- Full accessory kit with LED cooler, PSU mounting plates & lens holder. Flexible mounting options with screw mounting or wire clips. Other accessories like COB/LOB holder & lenses separate available



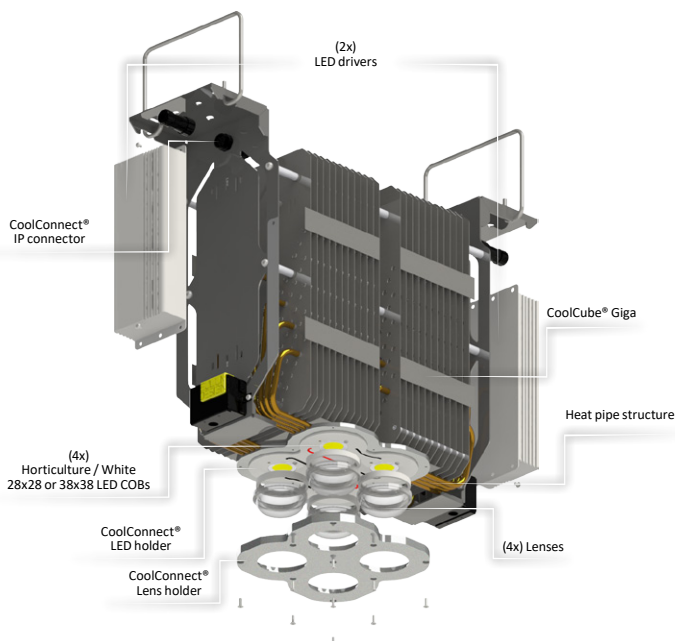
### Order Information

#### Example : CoolCube® Giga

##### CoolCube® Giga

###### Complete kit with:

- CoolCube® Giga high power LED cooler
- 2 modular PSU mounting plates



#### Example : CoolConnect® LensMount 2x2-01

##### CoolConnect® LensMount 2x2- 1

- 1 Lens holder type
  - 01: for Ledil Stella HB-WWW lenses
  - 02: for CoolView® lenses

#### Example : CoolConnect® holder 2x2HC-01

##### CoolConnect® holder 2x2HC- 1

- 1 LED holder type
  - 01: 4 times 28x28 COB/LOB
  - 02: 4 times 38x38 COB/LOB

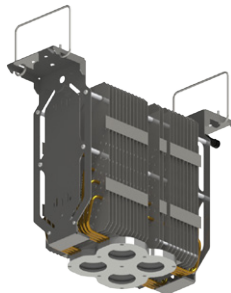
#### Example : CoolConnect® IP Connector M20 3P

##### CoolConnect® IP Connector M20 1

- 1 Number of poles
  - 2P: 2 poles
  - 3P: 3 poles
  - 5P: 5 poles

## CoolCube® Giga - High Power heat pipe LED Cooler with stack fins

### Product Details



#### Model n°

#### CoolCube® Giga

Dimension (mm) <sup>*1</sup>	W200mm x L575mm x H417mm
Weight (gr)	7000
Cooling Surface (mm <sup>2</sup> )	3,535,856
Thermal Resistance (°C/W) <sup>*2</sup>	0.1
Power Pd (W) <sup>*3</sup>	406
Surface finishing	16 sintered heat pipes with stack fin

<sup>\*1</sup> 3D files are available in ParaSolid, STP and IGS on request

<sup>\*2</sup> 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

<sup>\*3</sup> 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

$\eta_L$  = 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.