

CoolStar® 3445 Designer series Lumileds LED Star Cooler ø34.5mm

Features & Benefits

- For narrow beam compact spot lights from 600 to 1,200 lumen
- Thermal resistance range Rth 8.13°C/W
- Modular design with mounting holes foreseen for Lumileds Luxeon Gen4 1202s, 1202 LED COB by use of LED holder.
- Designer series with high end looks
- Diameter 34.5mm - Standard height 45mm
Other heights on request
- Black anodized or white electro-coating finishing



Order Information

 Zhaga



Example : CoolStar® Black 3445

CoolStar® **1** 3445

- 1** Finishing Color
Black - Black anodized
White - White electro-coating

Simple mounting with M3 screws
Recommended screw force 6lb/in
Screws are available from MechaTronix

CoolStar® 3445 Designer LED Star Cooler ø34.5mm

Product Details



Model n°

CoolStar® 3445

Dimension (mm) ^{*1}	ø34.5 x h45
Volume (mm ³)	23639
Cooling Surface (mm ²)	14237
Weight (gr)	63.8
Thermal Resistance (°C/W) ^{*2}	8.13
Power Pd (W) ^{*3}	6
Heat Sink Material	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 10mm x 10mm 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.