

# CoolStar® 47 Designer series Xicato (XSA-550/551) LED Star Cooler ø47mm

### **Features & Benefits**

- For spot and downlight designs from 1,000 to 2,400 lumen
- Thermal resistance range Rth 4.17 5.0°C/W
- Modular design with mounting holes foreseen for Xicato XIM, XTM, XCA LED modules and XOB high-density light sources XOB06, XOB09 and XOB14, direct mounting or by LED holder.
- Designer series with high end looks
- Diameter 47mm Standard height 40mm & 60mm Other heights on request
- Black anodized or white electro-coating finishing



### **Order Information**



Example: CoolStar® Black 4740

CoolStar® 1 47 2

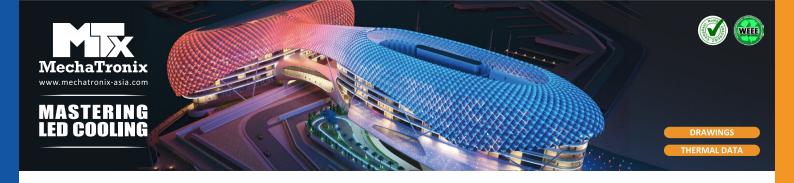


1 Finishing Color Black - Black anodized White - White electro-coating

2 Height (mm) 40 = XSA-55060 = XSA-551

Simple mounting with M3 screws Recommened screw force 6lb/in Screws are avaliable from MechaTronix





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#### **Product Details**



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

To calculate the dissipated power please use the following formula:  $Pd = Pe \times (1-\eta L)$ 

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.
- $\hbox{-} For specific mechanical adaptations please contact Mecha Tronix. }$



<sup>\*2</sup> 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

<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