

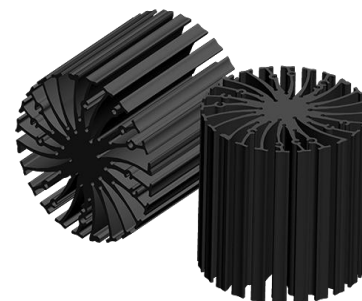


EtraLED

XSA-382 Modular Passive LED Cooler Ø85mm for Xicato

Features VS Benefits

- * The XSA-382 Modular Passive LED Star Heat Sinks are specifically designed for luminaires using the Xicato LED Modules.
- * Mechanical compatibility with direct mounting of the LED modules to the LED cooler and thermal performance matching the lumen packages.
- * Designs for XSM Module from 1100 to 3800 lumen.
- * Thermal resistance range R_{th} 1.5°C/W. (Thermal class N)
- * Modular design with mounting holes foreseen for direct mounting of Xicato XSM, XTM and XIM Modules .
- * Diameter 85mm - standard height 50mm, Other heights on request.
- * Extruded from highly conductive aluminum.



*The XSA-382 Xicato modular passive LED Star Heat Sink is standard foreseen from a variety of mounting holes which allow direct mounting of all Xicato Spot and down light LED modules and secondary optics on the LED heat sink.

*In this way mechanical afterwork and related costs can be avoided, and lighting designers can standardize their designs on a limited number of LED coolers.

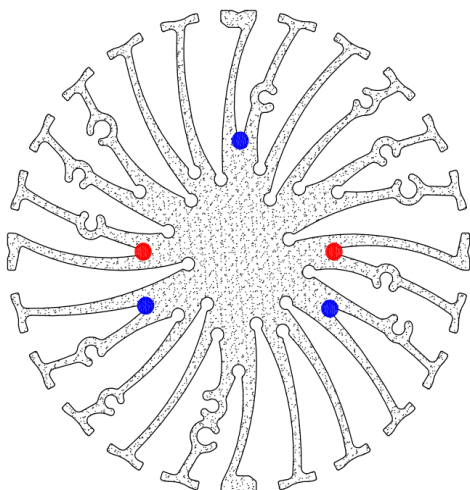
*Below you find an overview of Xicato LED modules which standard fit on the XSA-382 Passive LED Star Heat Sinks.

*MingFa performs thermal validation tests on each of the LED modules mounted on the LED cooler and publishes.

*This data in the Xicato Cooler thermal validation reports.

*For a full overview of available LED coolers for Xicato LEDs, please refer to the Xicato LED cooler overview on.

XICATO



XSA-382 standard height 50mm for Xicato LED modules Mounting Options

Xicato XSM LED modules name :

| | | |
|----------------|----------------|----------------|
| XSM80xx-400 ; | XSM80xx-2000 ; | XSMV8xx-1300 ; |
| XSM80xx-700 ; | XSM80xx-3000 ; | XSMV8xx-2000 ; |
| XSM80xx-1000 ; | XSM80xx-4000 ; | XSMV8xx-3000 ; |
| XSM80xx-1300 ; | | |

Direct mounting with 3 screws M3 x 12mm;
Blue indicator marks.

Xicato XIM LED modules name :

| | |
|---------------|---------------|
| XIM1980xx13 ; | XIM1980xx20 ; |
| XIM19V8xx13 ; | XIM19V8xx20 ; |
| XIM1995xx13 ; | |

Direct mounting with 3 screws M3 x 20mm;
Blue indicator marks.

Xicato XTM LED modules:

| | | | |
|---------------|---------------|---------------|---------------|
| XTM1980xx13 ; | XTM1980xx50 ; | XTM19V8xx13 ; | XTM19V9xx13 ; |
| XTM1980xx20 ; | XTM1995xx13 ; | XTM19V8xx20 ; | XTM19V9xx20 ; |
| XTM1980xx30 ; | XTM1995xx20 ; | XTM19V8xx30 ; | XTM19V9xx30 ; |
| XTM1980xx40 ; | XTM1995xx30 ; | | |

Direct mounting with 3 screws M3 x 8mm;
Blue indicator marks.
Direct mounting by Zhaga mounting holes with 2 screws M3 x 8mm;
Red indicator marks.

Mounting Options and Drawings & Dimensions

Example: XSA-382-M3-B-2

Example: XSA-382-M3 - **1** - **2**

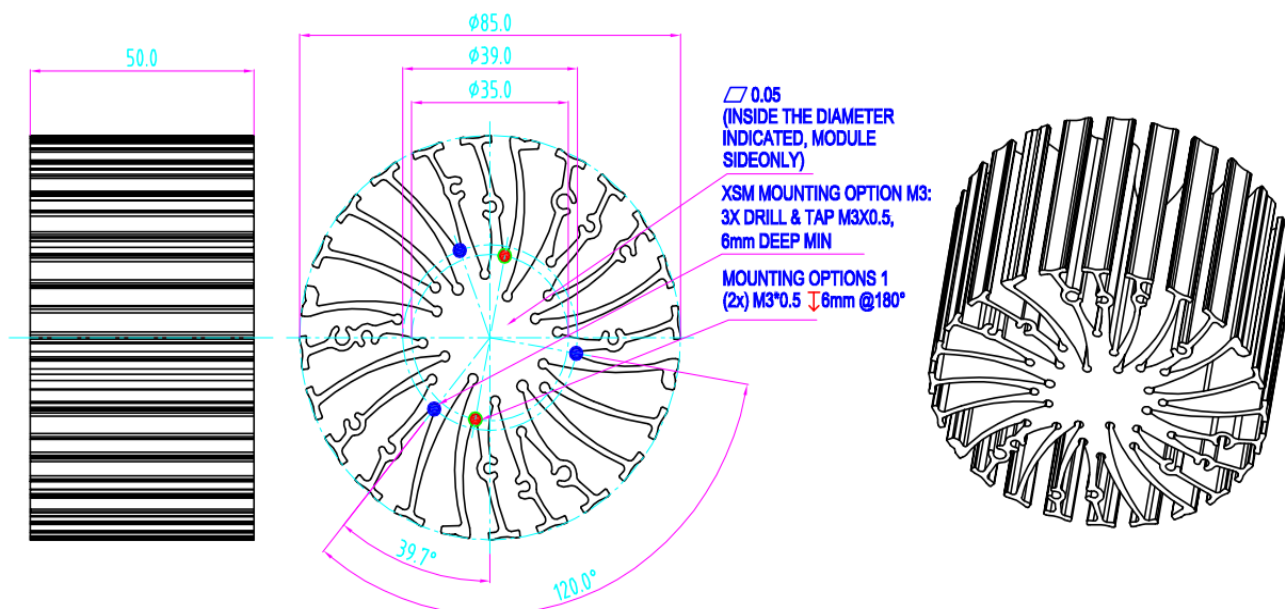
1 Anodising Color
B-Black
C-Clear
Z-Custom

2 Mounting Options - see graphics for details Combinations available
Ex.order code - 12
means option 1 and 2 combined

MingFa 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.

XICATO

| MOUNTING OPTION | PART NUMBER | THREAD | THREAD DEPTH |
|-----------------|----------------|--------|--------------|
| NONE | XSA-382-M3-B-N | NONE | NONE |
| 1 | XSA-382-M3-B-1 | M3*0.5 | 6mm |
| | | | |
| | | | |
| | | | |



Notes:

- Mentioned models are an extraction of full product range.
- For specific mechanical adaptations please contact MingfaTech.
- MingfaTech reserves the right to change products or specifications without prior notice.

The thermal data table

| | |
|--|-----------------------|
|  | |
| Model No. | XSA-382 |
| Size | Φ85xH50mm |
| Material | AL6063-T5 |
| Finish | Black Anodized |
| Weight(gr) | 286 |
| Thermal Wattage | 34W |
| HeatsinkOs-a² | 94366 |
| Thermal Resistance (°C/W)² | 1.5 |

| $P_d = P_e \times (1-\eta_L)$ Dissipated Power Pd(W) | | Heat sink to ambient thermal resistance Rhs-amb (°C/W) | Heat sink to ambient temperature rise Ths-amb (°C) |
|---|-----|--|--|
| | | XSA-382 | XSA-382 |
| | 10W | 1.9 | 19 |
| | 15W | 1.7 | 26 |
| | 20W | 1.6 | 32 |
| | 25W | 1.6 | 40 |
| | 30W | 1.5 | 45 |
| | 35W | 1.5 | 51 |
| | | | |
| | | | |

