



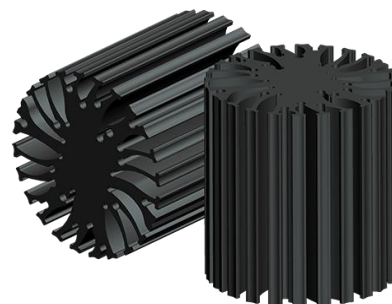
Mingfa *for* LED

EtraLED

XSA-381 Modular Passive LED Cooler Φ 48mm for Xicato

Features VS Benefits

- * The XSA-381 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.
- * Thermal resistance range R_{th} 3.6°C/W.
- * Xicato Thermal Class **F**, (60° tilt angle, 40°C ambient).
- * The cooler design with mounting holes foreseen for direct mounting of Xicato XSM, XIM and XTM Modules .
- * Diameter 48mm - Standard height 80mm , Other heights on request.
- * Extruded from highly conductive aluminum.



*The XSA-381 Xicato 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.

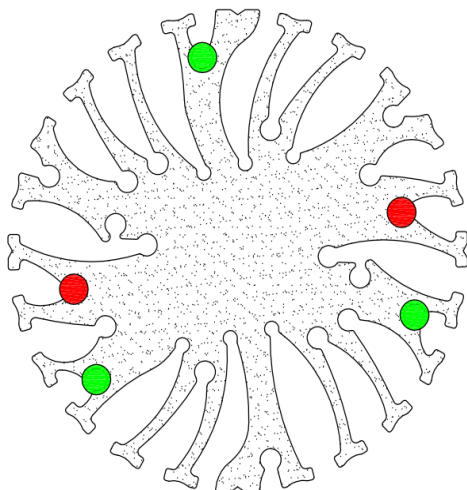
*Below you find an overview of Xicato LED modules which standard fit on the XSA-381 Star Heat Sinks.

*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-381 standard height 80mm for Xicato LED modules Mounting Options

Xicato XSM LED modules name :

XSM8027-xxxx ;	XSM9530-xxxx ;
XSM8030-xxxx ;	XSM9540-xxxx ;
XSM8040-xxxx ;	XSMV830-xxxx ;
XSM9527-xxxx ;	

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

Xicato XIM LED modules name :

XIM198027-xxx ;	XIM198040-xxx ;
XIM198030-xxx ;	XIM19V830-xxx ;
XIM198035-xxx ;	

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

Xicato XTM LED modules:

XTM19-8027-xxx ;	XTM19-8040-xxx ;
XTM19-8030-xxx ;	XTM19-V830-xxx ;
XTM19-8035-xxx ;	

Direct mounting with 3 screws M3 x 10mm;
Green indicator marks.

Direct mounting by Zhaga mounting holes with 2 screws M3 x 10mm;
Red indicator marks.



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Mounting Options and Drawings & Dimensions

Example: XSA-381-M3-B-2

Example: XSA-381-M3 - **1** - **2**

1 Anodising Color

B-Black
C-Clear
Z-Custom

2 Mounting Options - see graphics for details Combinations available

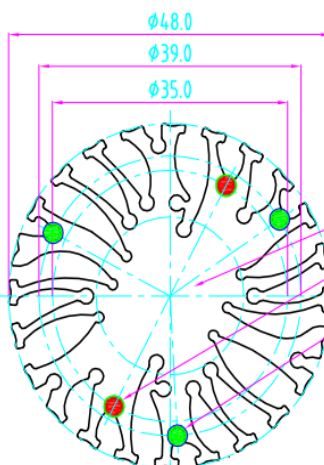
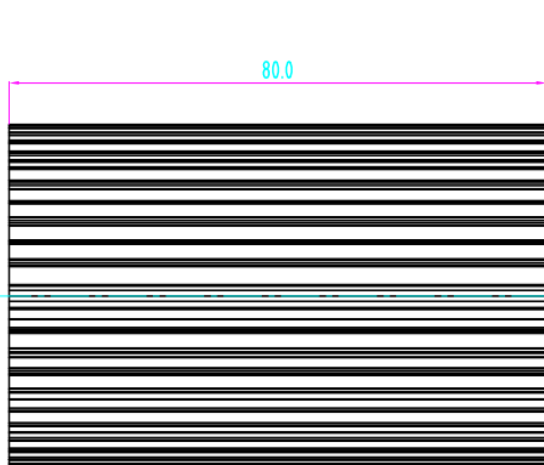
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means option 1 and 2 combined

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-381-M3-B-N	NONE	NONE
1	XSA-381-M3-B-1	M3*0.5	6mm



0.05
(INSIDE THE DIAMETER INDICATED, MODULE SIDE ONLY)

MOUNTING OPTIONS 1
(2x) M3*0.5 6mm @180°

XSA MOUNTING OPTION M3:
3X DRILL & TAP M3*0.5,
6mm DEEP MIN



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.



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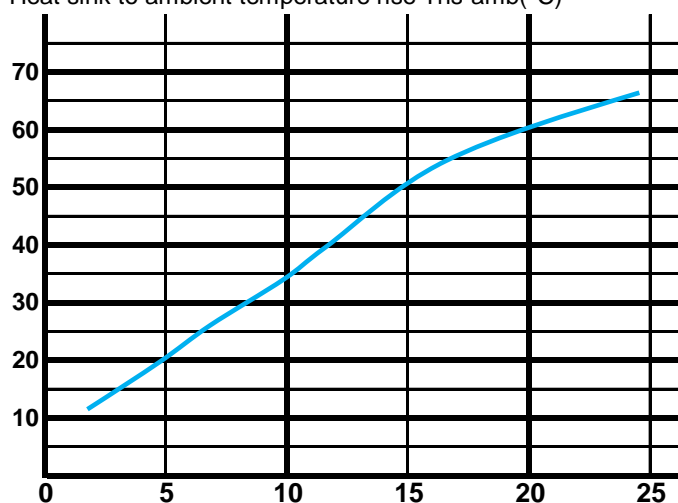
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The thermal data table

	
Model No.	XSA-381
Size	Φ48xH80mm
Material	AL6063-T5
Finish	Black Anodized
Weight(g)	213
Thermal Wattage	14W
HeatsinkOs-a²	58826
Thermal Resistance ($^{\circ}\text{C}/\text{W}$)²	3.6

Pd = Pe x (1- η L)		Heat sink to ambient thermal resistance Rhs-amb ($^{\circ}\text{C}/\text{W}$)	Heat sink to ambient temperature rise Ths-amb ($^{\circ}\text{C}$)
		XSA-381	XSA-381
Dissipated Power Pd(W)	2.5W	4.4	11
	4.5W	4.2	19
	7.0W	3.7	26
	9.5W	3.7	35
	12W	3.6	43
	17.5W	3.1	53
	24.0W	2.8	66

Heat sink to ambient temperature rise Ths-amb($^{\circ}\text{C}$)



Dissipated Power Pd(W)