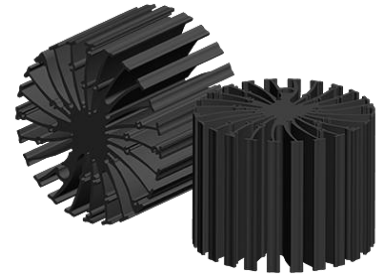


EtraLED

XSA-385 Modular Passive LED Cooler Φ 110mm for Xicato

Features VS Benefits

- * The XSA-385 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 2000 to 6400 lumen.
- * Thermal resistance range R_{th} 0.9°C/W. (Thermal class Q)
- * Modular design with mounting holes foreseen for direct mounting of Xicato XSM, XTM and XIM Modules .
- * Diameter 110mm - standard height 80mm, Other heights on request.
- * Extruded from highly conductive aluminum.



*The XSA-385 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.

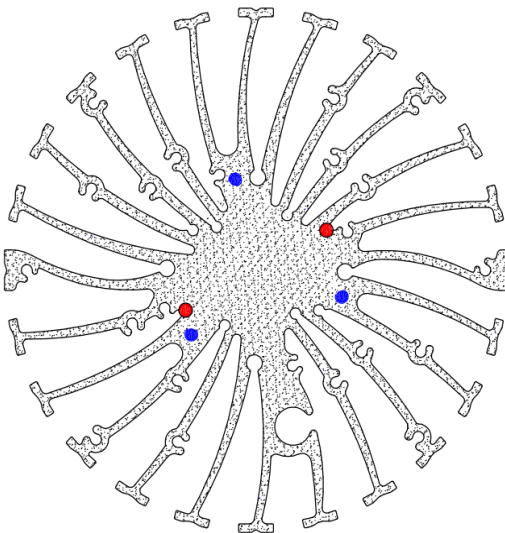
*Below you find an overview of Xicato LED modules which standard fit on the XSA-385 Passive LED Star Heat Sinks.

*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-385 standard height 80mm 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-385-M3-B-2

Example: XSA-385-M3 - **1** - **2**

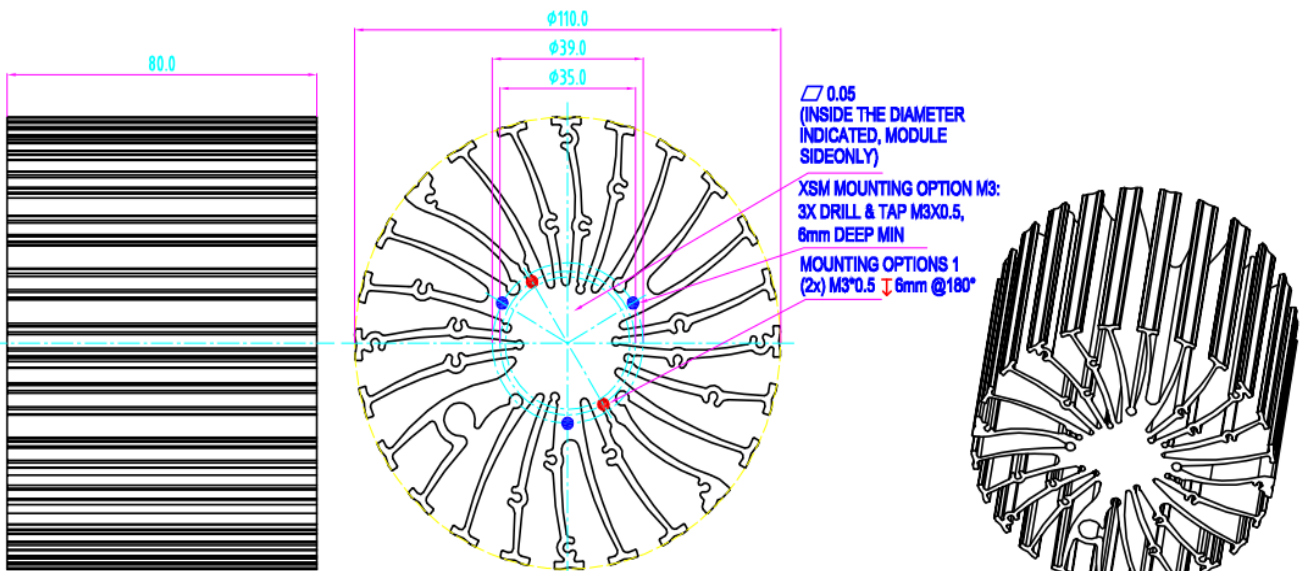
- 1** Anodising Color
B-Black
C-Clear
Z-Custom

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



MOUNTING OPTION	PART NUMBER	THREAD	THREAD DEPTH
NONE	XSA-385-M3-B-N	NONE	NONE
1	XSA-385-M3-B-1	M3*0.5	6mm

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.



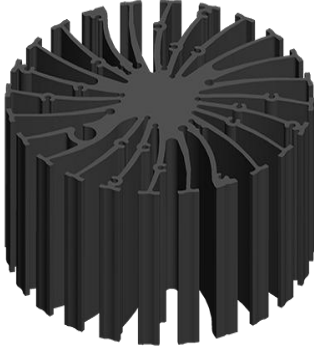
Notes:

- 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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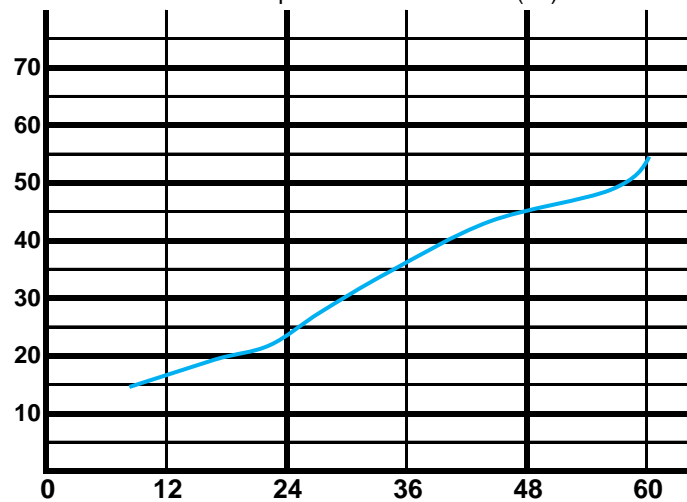
XSA-385 Modular Passive LED Cooler Φ 110mm for Xicato

The thermal data table

	
Model No.	XSA-385
Size	Φ110xH80mm
Material	AL6063-T5
Finish	Black Anodized
Weight(gr)	662
Thermal Wattage	57W
Heatsink Θ_{s-a^2}	194856
Thermal Resistance ($^{\circ}\text{C}/\text{W}$)²	0.9

Dissipated Power Pd(W)	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-385	XSA-385
10W		1.3	13
15W		1.2	18
20W		1.1	22
25W		1.1	27.5
35W		1.0	35
45W		0.95	43
55W		0.9	49
60W		0.88	54

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



Dissipated Power Pd(W)