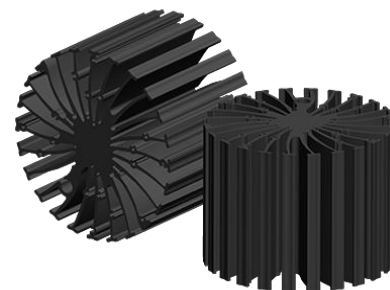


EtraLED

XSA-384 Modular Passive LED Cooler $\Phi 110\text{mm}$ for Xicato

Features VS Benefits

- * The XSA-384 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 1600 to 5300 lumen.
- * Thermal resistance range R_{th} 1.1°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 50mm, Other heights on request.
- * Extruded from highly conductive aluminum.



*The XSA-384 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.

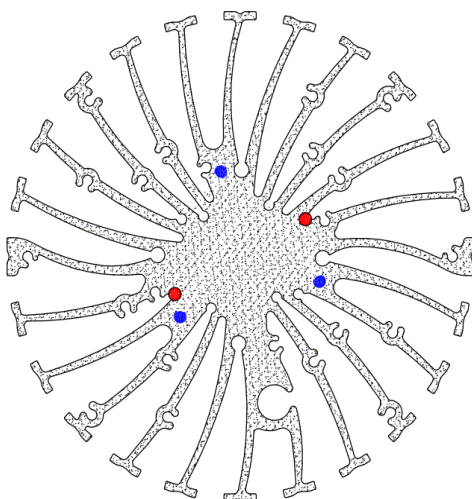
*Below you find an overview of Xicato LED modules which standard fit on the XSA-384 Passive LED Star Heat Sinks.

*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-384 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-384-M3-B-2

Example: XSA-384-M3 - **1** - **2**

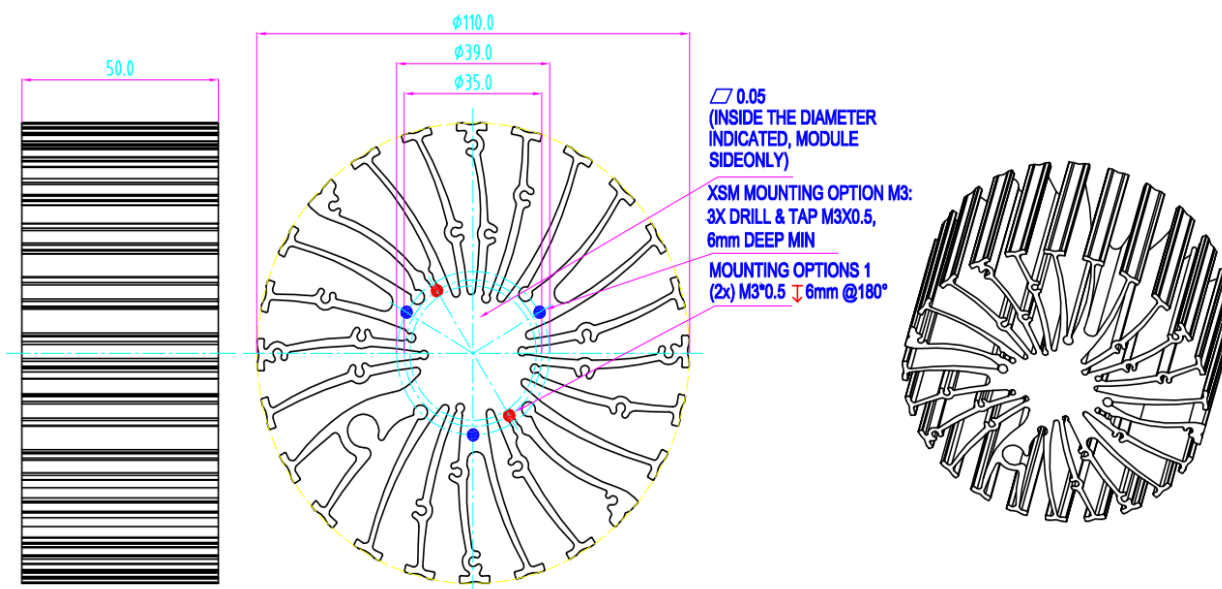
1 Anodising Color
B-Black
C-Clear
Z-Custom

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

XICATO

MOUNTING OPTION	PART NUMBER	THREAD	THREAD DEPTH
NONE	XSA-384-M3-B-N	NONE	NONE
1	XSA-384-M3-B-1	M3*0.5	6mm

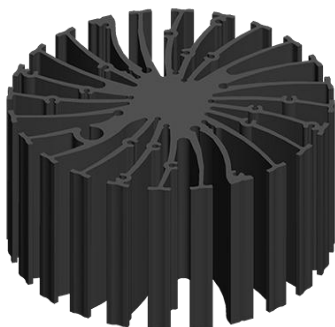
MingFa recommends the use of a high thermal conductive interface between the LED module and the LED cooler. Either thermal grease, a thermal pad or a phase change thermal pad thickness 0.1-0.15mm is recommended.



Notes:

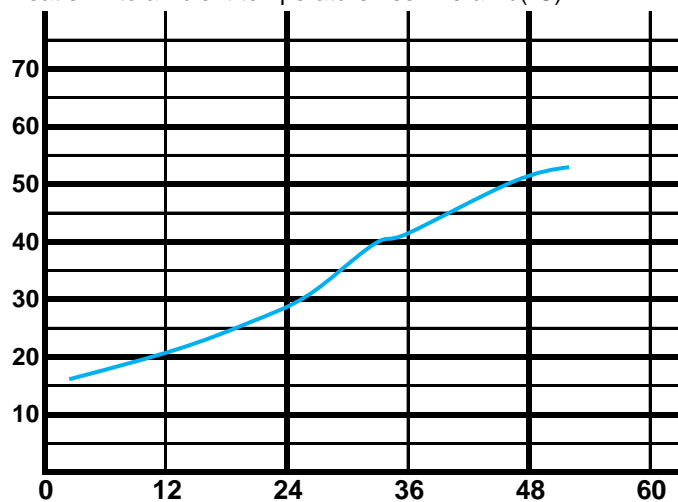
- Mentioned models are an extraction of full product range.
- For specific mechanical adaptations please contact MingfaTech.
- MingfaTech reserves the right to change products or specifications without prior notice.

The thermal data table

	
Model No.	XSA-384
Size	$\Phi 110 \times H50\text{mm}$
Material	AL6063-T5
Finish	Black Anodized
Weight(gr)	414
Thermal Wattage	48W
Heatsink Θ_{sa}^2	124084
Thermal Resistance ($^{\circ}\text{C/W}$)²	1.1

$P_d = P_e \times (1-\eta_L)$		Heat sink to ambient thermal resistance R_{hs-amb} ($^{\circ}\text{C/W}$)	Heat sink to ambient temperature rise T_{hs-amb} ($^{\circ}\text{C}$)
		XSA-384	XSA-384
Dissipated Power $P_d(\text{W})$	5W	3.4	17.5
	15W	1.43	21.5
	20W	1.32	26.4
	25W	1.21	30.3
	30W	1.32	39.6
	35W	1.2	40.3
	40W	1.15	45
	45W	1.1	48.5
	50W	1.05	52.5

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



Dissipated Power P_d (W)