



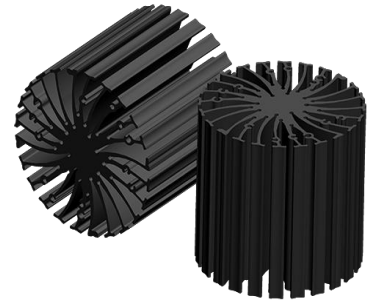
Mingfa TECH for LED

EtraLED

XSA-382 Modular Passive LED Cooler Φ 85mm for Xicato

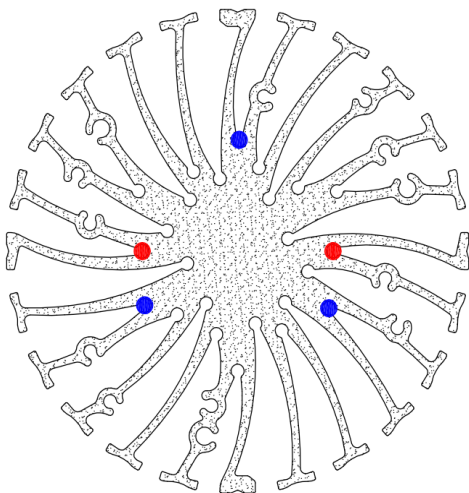
Features VS Benefits

- * 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
- *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**

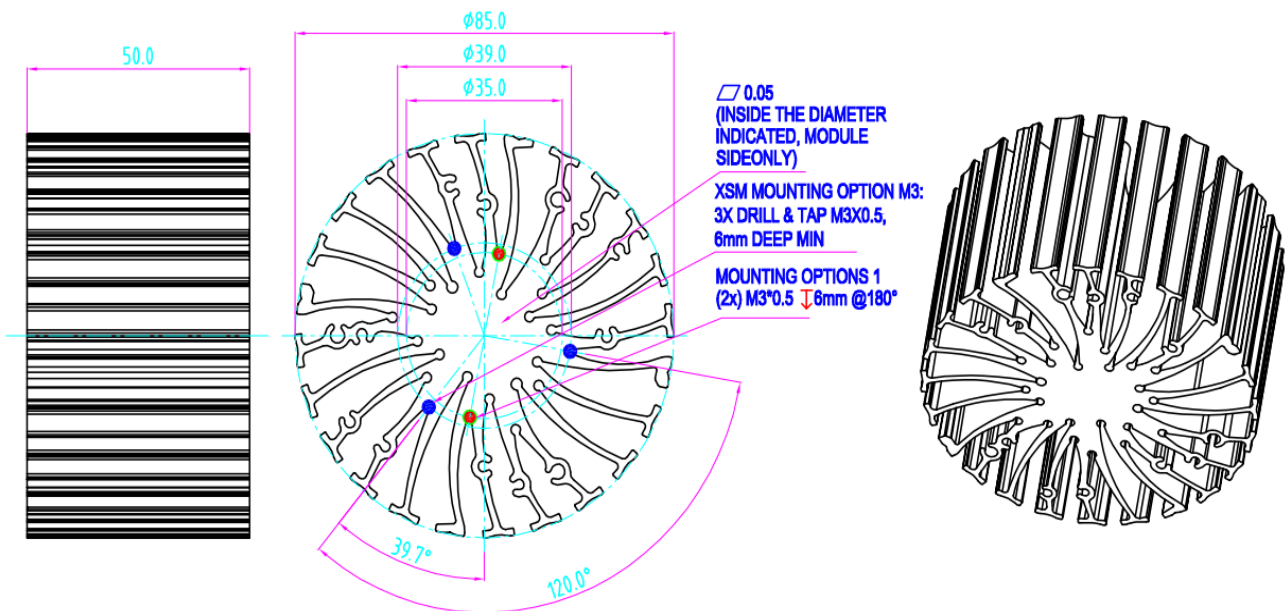
- 1** Anodising Color
B-Black
C-Clear
Z-Custom

- 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.



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.

for

LED

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The thermal data table

	
Model No.	XSA-382
Size	Φ85xH50mm
Material	AL6063-T5
Finish	Black Anodized
Weight(gr)	286
Thermal Wattage	34W
Heatsink Θ_{s-a^2}	94366
Thermal Resistance ($^{\circ}\text{C}/\text{W}$)²	1.5

	Pd = Pe x (1-ηL)	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-382	XSA-382
Dissipated Power Pd(W)	10W	1.9	19
	15W	1.7	26
	20W	1.6	32
	25W	1.6	40
	30W	1.5	45
	35W	1.5	51

