



*GooLED*

**XSA-327 Pin Fin LED Heat Sink  $\Phi$ 110mm for Xicato**

### Features VS Benefits

- \* The XSA-327 Pin Fin LED Heat Sink 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  $R_{th}$  1.35°C/W. For downlight designs from 800 to 3600 lumen.
- \* Xicato Thermal Class **N**, ( 60° tilt angle, 40°C ambient ).
- \* The cooler design with mounting holes foreseen for direct mounting of Xicato XSM, XIM and XTM Modules .
- \* Diameter 110mm - Standard height 50mm , Other heights on request.
- \* Forged from highly conductive aluminum.



\*The XSA-327 Xicato Pin Fin 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 Pin Fin 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.

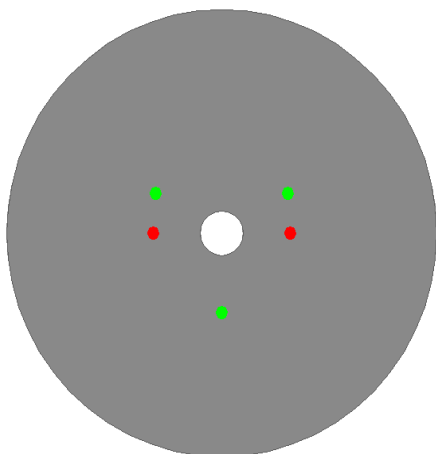
\*Below you find an overview of Xicato LED modules which standard fit on the XSA-327 Pin Fin LED Heat Sinks.

\*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-327 standard height 50mm 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.

### Mounting Options and Drawings & Dimensions

Example:XSA-327-M3-B-2

Example:XSA-327-M3 - **1** - **2**

#### **1** Anodising Color

B-Black

C-Clear

Z-Custom

#### **2** Mounting Options - see graphics for

details Combinations available

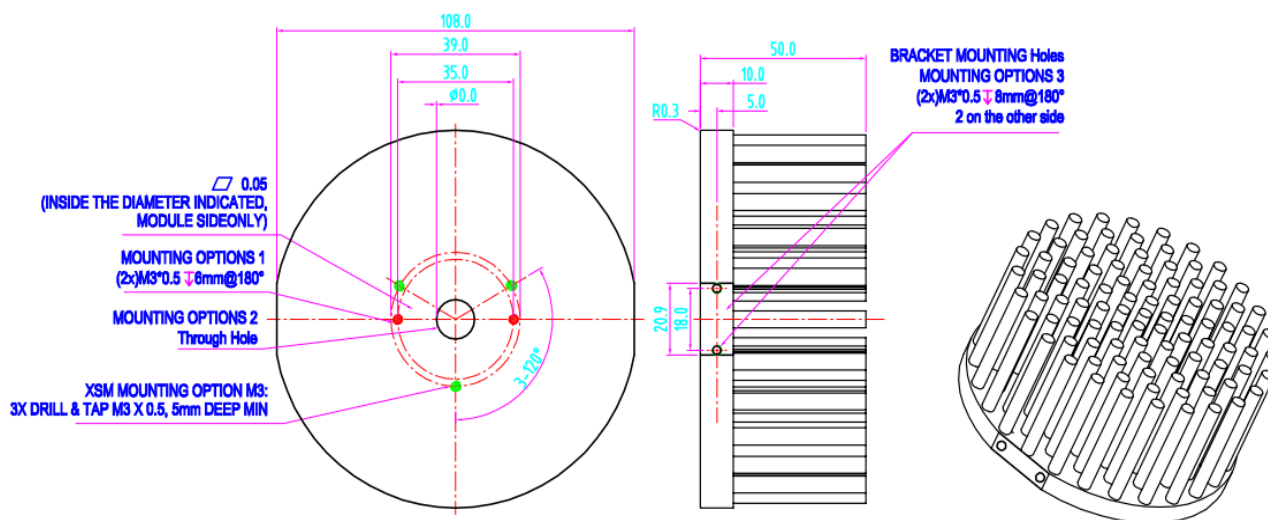
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means option 1 and 2 combined

# XICATO

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-327-M3-#-N	NONE	NONE
1	XSA-327-M3-#-1	M3*0.5	6mm
2	XSA-327-M3-#-2	$\Phi 11.5$	Through-hole
3	XSA-327-M3-#-3	M3*0.5	8mm
4			





The thermal data table

	
	<i>XSA-327</i>
<b>Model No.</b>	XSA-327
<b>Size</b>	Φ110xH50mm
<b>Material</b>	AL 1070
<b>Finish</b>	Black Anodized
<b>Weight(g)</b>	463
<b>Thermal Wattage</b>	39W
<b>HeatsinkOs-a<sup>2</sup></b>	83140
<b>Thermal Resistance (°C/W)<sup>2</sup></b>	1.3

$P_d = P_e \times (1-\eta_L)$		Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise Ths-amb (°C)
		XSA-327	XSA-327
Dissipated Power Pd(W)	12.0W	1.5	18
	23.5W	1.4	33
	35.0W	1.35	45
	47.0W	1.05	51
	58.0W	0.98	57
	70.0W	0.92	65

