



Mingfa TECH for LED

XSA-310

XSA-310 Modular Passive LED Cooler Φ 96mm for Xicato

Features VS Benefits

- * The XSA-310 Modular Passive LED Coolers 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 2200 to 4300 lumen.
- * Thermal resistance range Rth 0.92°C/W. (XSM Thermal class Q)
- * Modular design with mounting holes foreseen for direct mounting of Xicato XSM, XTM and XIM Modules .
- * Diameter 96mm - standard height 80mm, Other heights on request.
- * Extruded from highly conductive aluminum.



*The XSA-310 Xicato modular passive LED cooler 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.

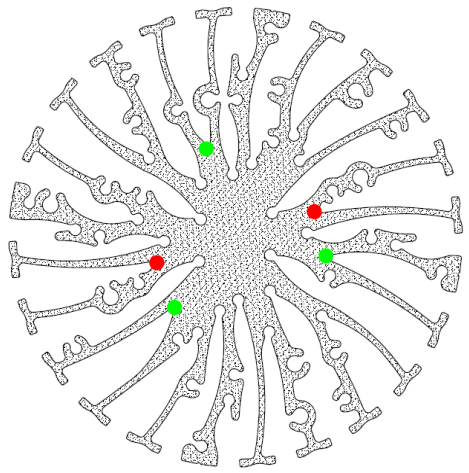
*Below you find an overview of Xicato LED modules which standard fit on the XSA-310 Passive LED Coolers.

*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-310 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;
Green indicator marks.

Xicato XIM LED modules name :

- XIM1980xx13 ; XIM1980xx20 ;
- XIM19V8xx13 ; XIM19V8xx20 ;
- XIM1995xx13 ;

Direct mounting with 3 screws M3 x 20mm;
Green 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;
Green indicator marks.
Direct mounting by Zhaga mounting holes with 2 screws M3 x 8mm;
Red indicator marks.





for

LED



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Mounting Options and Drawings & Dimensions

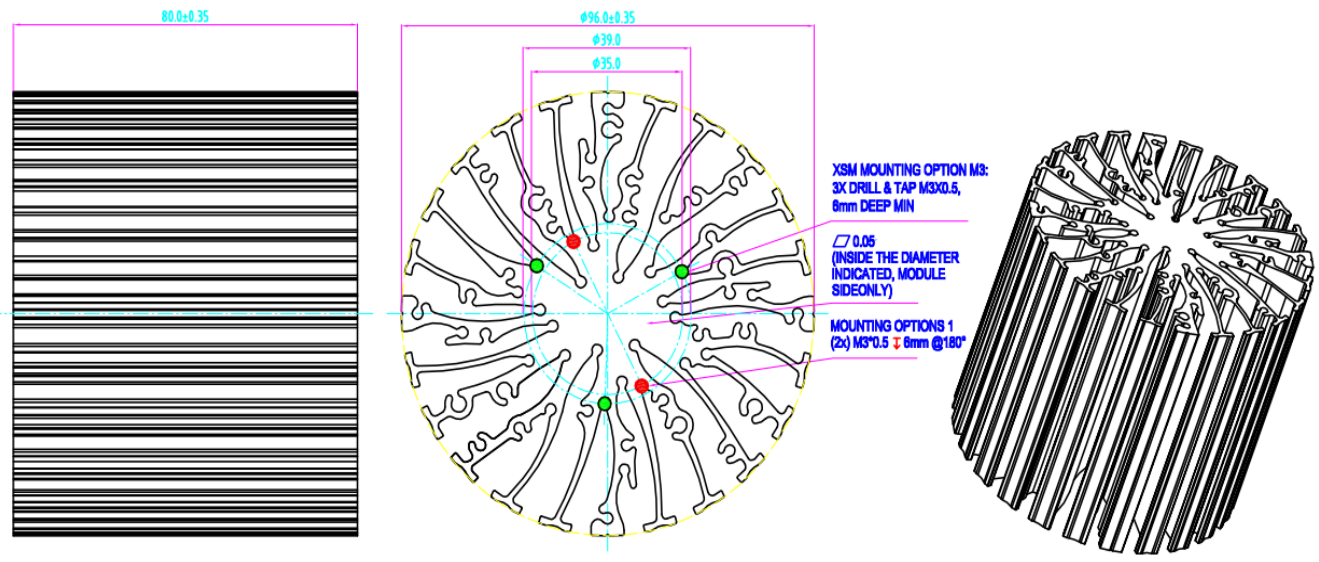
Example: XSA-310-M3-B-2
 Example: XSA-310-M3 - **1** - **2**

- 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-310-M3-#-N	NONE	NONE
1	XSA-310-M3-#-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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The thermal data table

	
Model No.	XSA-310
Size	Φ96xH80mm
Material	6063-T5
Finish	Black Anodized
Weight(gr)	575
Thermal Wattage	49.2W
HeatsinkΘs-a²	180427
Thermal Resistance ($^{\circ}$C/W)²	0.92

Pd = Pe x (1- η L)	Heat sink to ambient thermal resistance Rhs-amb ($^{\circ}$ C/W)	Heat sink to ambient temperature rise
	XSA-310	XSA-310
Dissipated Power Pd(W)	5W	17.5
	15W	21.5
	20W	26.4
	25W	30.3
	30W	39.6
	35W	40.3
	40W	44.8
	45W	48.6
	50W	51

