



# Mingfa TECH for LED

## XSA-311

## XSA-311 Modular Passive LED Cooler $\Phi$ 135mm for Xicato

### Features VS Benefits

- \* The XSA-311 Xicato Modular Passive LED Coolers are specifically designed for luminaires using 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 4500 lumen.
- \* Thermal resistance range  $R_{th} 1.1^{\circ}\text{C/W}$ . ( XSM Thermal class Q).
- \* The cooler design with mounting holes foreseen for direct mounting of Xicato XSM, XTM and XIM Modules.
- \* Diameter 135mm - standard height 40mm Other heights on request.
- \* Center hole for cable guidance.
- \* Extruded from highly conductive aluminum.



### Xicato LED modules and radiator assembly directly Mounting Options

- \* Below you find an overview of Xicato LEDs which standard fit on the XSA-311 coolers.
- \* In this way mechanical after work and related costs can be avoided, and lighting designers can standardize their designs on a limited number of LED coolers.

# XICATO



### XSA-311 standard height 40mm 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 :

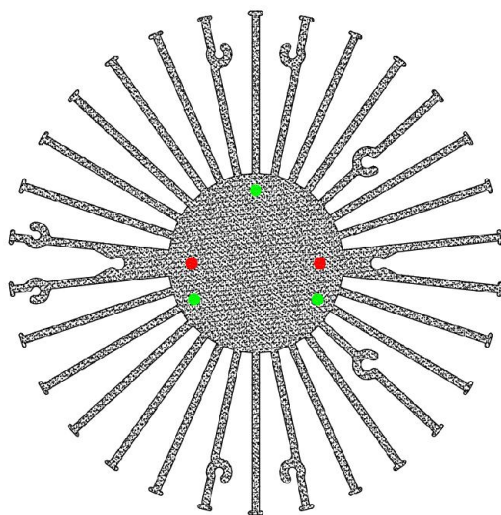
XIMCV481980xx13;	XIMCV4819V8xx13;
XIMCV481995xx13;	XIMCV4819V8xx20;
XIMCV481980xx20;	

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



*XSA-311*

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## Mounting Options and Drawings & Dimensions

Example: XSA-311-M3-B-3

Example: XSA-311 - **1** - **2** - **3**

### **1** THREAD

M2 or M3

### **2** Anodising Color

B-Black

C-Clear

Z-Custom

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

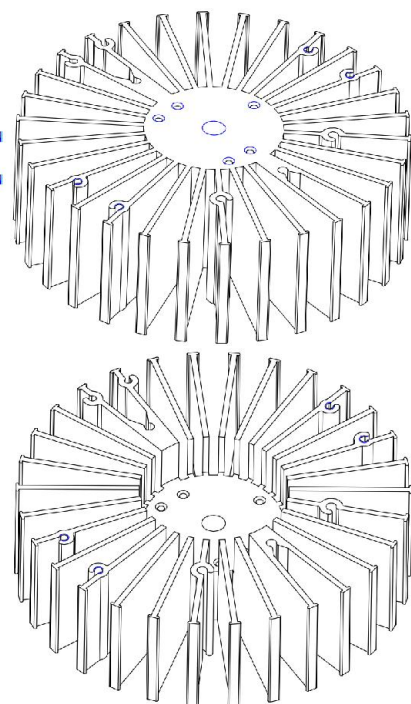
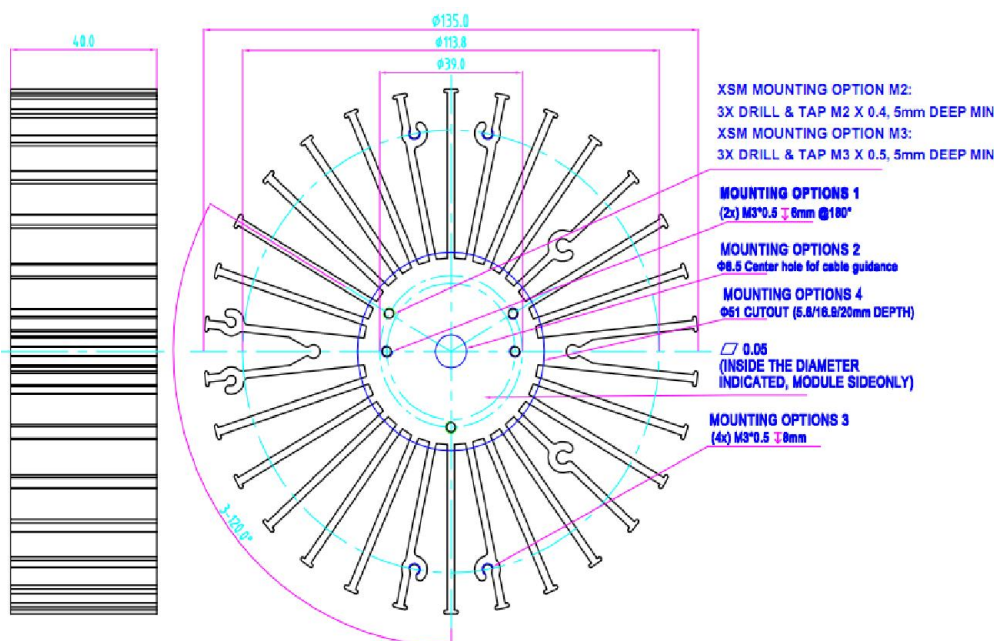
details Combinations available

Ex.order code - 12

means option 1 and 2 combined

# XICATO

MOUNTING OPTION	PART NUMBER	THREAD	THREAD DEPTH
NONE	XSA-311-M#-#-N	NONE	NONE
1	XSA-311-M#-#-1	M3*0.5	6mm
2	XSA-311-M#-#-2	$\Phi 8.5$	Through-hole
3	XSA-311-M#-#-3	M3*0.5	8mm
4	XSA-311-M#-#-4	$\Phi 51$	5.6mm
5	XSA-311-M#-#-5	$\Phi 51$	16.9mm
6	XSA-311-M#-#-6	$\Phi 51$	20mm



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[Http://www.heatsinkled.com](http://www.heatsinkled.com)

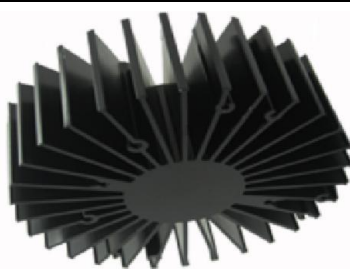
[Http://www.mingfatech.com](http://www.mingfatech.com)



## XSA-311

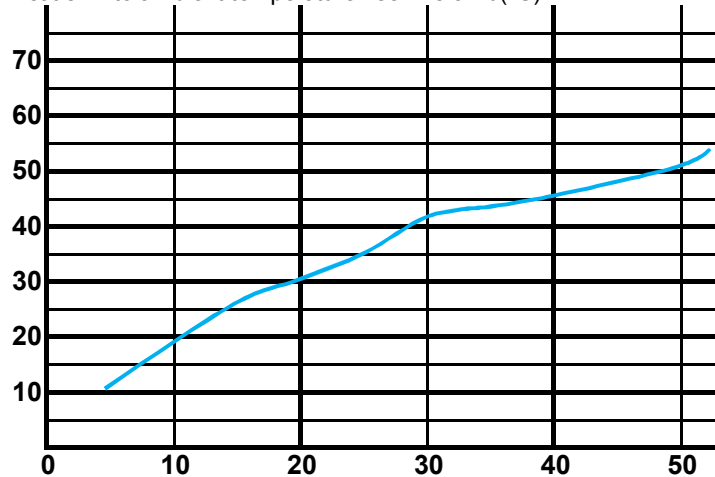
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### The thermal data table

	
<b>Model No.</b>	XSA-311
<b>Size</b>	$\Phi$ 135xH40mm
<b>Material</b>	6063-T5
<b>Finish</b>	Black Anodized
<b>Weight(gr)</b>	510
<b>Thermal Wattage</b>	45W
<b>HeatsinkOs-a<sup>2</sup></b>	126385
<b>Thermal Resistance (°C/W)<sup>2</sup></b>	1.1

Pd = Pe x (1-ηL)		Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise Ths-amb (°C)
		XSA-311	XSA-311
Dissipated Power Pd(W)	5W	2.15	10.8
	15W	1.8	27
	20W	1.5	30
	25W	1.4	35
	30W	1.36	40.8
	35W	1.2	42
	40W	1.12	46
	45W	1.1	49.5
	50W	1.08	54

Heat sink to ambient temperature rise Ths-amb(°C)



Dissipated Power Pd(W)