

**BULED**

**XSA-391 LED light accessory to replace MR16 fittings by Xicato XTM**

## Features VS Benefits

- \*XSA-391 LED light accessory includes one LED cooler and one LED housing to be assembled with Xicato XTM LED modules to replace MR16.
- \* Mechanical compatibility with direct mounting of the LED modules to the LED cooler and thermal performance matching the lumen packages.
- \* Thermal resistance range  $R_{th}$  3.7°C/W.
- \* Xicato Thermal Class **E**, ( 60° tilt angle, 40°C ambient ) .
- \* The cooler design with mounting holes foreseen for direct mounting of Xicato XTM Module .
- \* Heatsink Diameter 48mm - Standard height 50mm , Other heights on request.
- \* Housing Diameter 50mm - Standard height 45mm , Other heights on request.
- \* Extruded from highly conductive aluminum.



\*The XSA-391 LED light accessory Xicato 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.

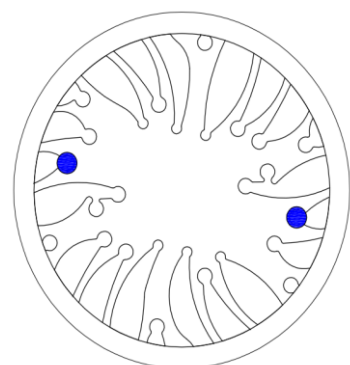
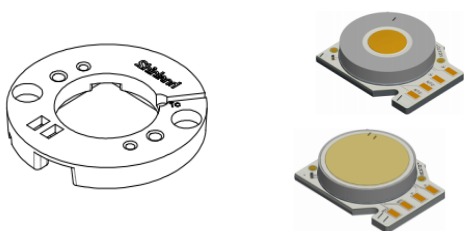
\*Below you find an overview of Xicato LED modules which standard fit on the XSA-391 LED light accessory .

\*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-391 LED light accessory ,Heatsink standard height 50mm for Xicato LED modules Mounting Options**

**Xicato XTM LED modules with Shinland Zhaga holder.**

XTM19-8027-xxx ;	XTM19-8040-xxx ;
XTM19-8030-xxx ;	XTM19-V830-xxx ;
XTM19-8035-xxx ;	

**Direct mounting by Zhaga mounting holes with 2 screws M3 x 8mm; with Shinland Zhaga holder. Blue indicator marks.**

## Mounting Options and Drawings & Dimensions

Example: XSA-391-M3-B-2

Example: XSA-391-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

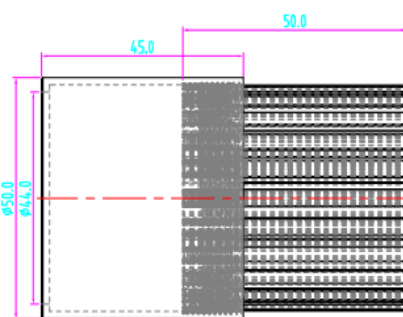
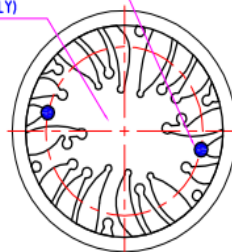
Thickness 0.1-0.15mm is recommended.

# XICATO

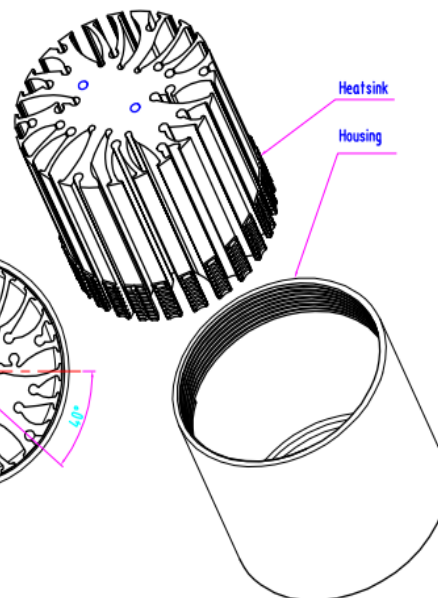
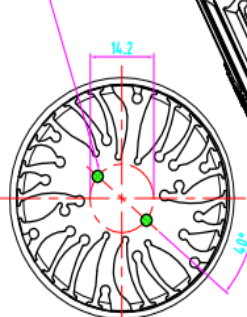
MOUNTING OPTION	PART NUMBER	THREAD	THREAD DEPTH
NONE	XSA-391-M3-B-N	NONE	NONE
1	XSA-391-M3-B-1	M3*0.5	6mm

XTM MOUNTING OPTION M3:  
2X DRILL & TAP M3X0.5,  
6mm DEEP MIN

0.05  
(INSIDE THE DIAMETER  
INDICATED, MODULE  
SIDE ONLY)



MOUNTING OPTIONS 1  
(2x) M3\*0.5 ± 6mm @180°



### 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.

**BuLED**

XSA-391 LED light accessory to replace MR16 fittings by Xicato XTM

## The thermal data table

	
	<b>BuLED</b>
<b>Model No.</b>	<b>XSA-391</b>
<b>Heatsink Size</b>	<b>Φ48xH50mm</b>
<b>Housing Size</b>	<b>Φ50xH45mm</b>
<b>Material</b>	<b>AL6063-T5</b>
<b>Finish</b>	<b>Black Anodized</b>
<b>Weight(g)</b>	<b>160</b>
<b>Thermal Wattage</b>	<b>15W</b>
<b>HeatsinkOs-a<sup>2</sup></b>	<b>36868</b>
<b>Thermal Resistance (°C/W)<sup>2</sup></b>	<b>3.7</b>

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-391	XSA-391
Dissipated Power Pd(W)	2.5W	5.6	14
	4.5W	5.3	24
	7.0W	4.6	32
	9.5W	4.3	41
	12W	4.1	49
	15W	3.7	55

