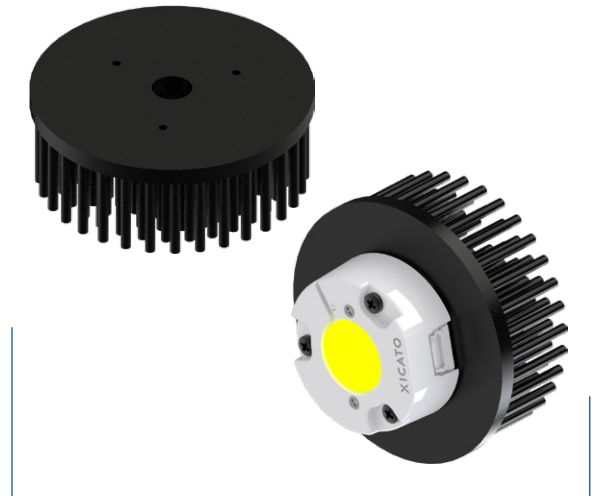


## XSA-66 Pin Fin Heat Sink ø 80mm for Xicato

### Features & Benefits

- Designed for Xicato XIM LED spot modules
- Xicato thermal class H ( 60° tilt angle, 40°C ambient )
- Thermal resistance Rth 3.3°C/W
- Forged from highly conductive aluminum AL-1070
- Diameter 80mm - height 30mm- weight 135.44g
- Standard colors - clear anodised - black anodised
- Other colors and finishings on request  
 ( all RAL/Pantone colors available )



### Order Information

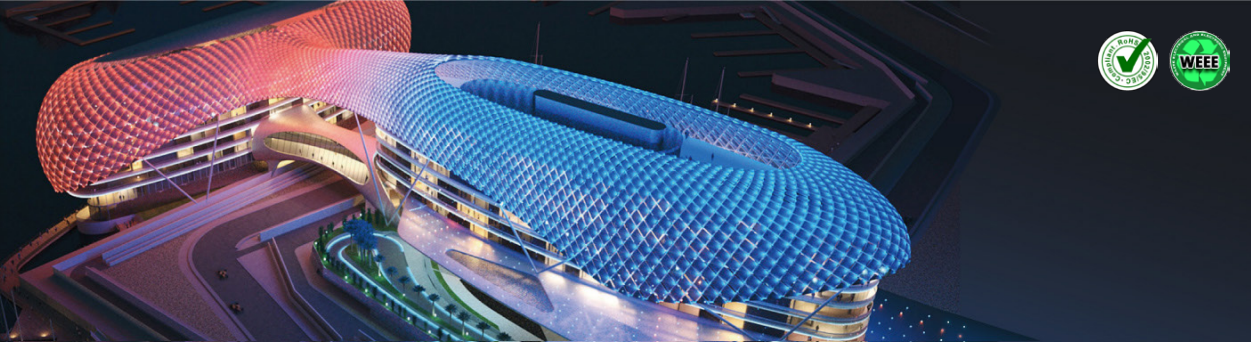
**xicato**<sup>®</sup>

Example : XSA-66-M2-B-3

XSA-66- **1** - **2** - **3**

- 1** XSM Mounting  
 "M2" - M2 screw threads  
 "M3" - M3 screw threads
- 2** Anodising color  
 "B" - Black Anodised  
 "C" - Clear Anodised  
 "Z" - Custom ( specify )
- 3** Mounting Options - see graphics for details  
 Combinations available  
 Ex. order code - 13  
 means option 1 and 3 combined

MOUNTING OPTION	THREAD	THREAD DEPTH
NONE/BLANC	NONE	NONE
1	M14 x 1.5	5mm MIN.
2	#9/16-12UNC	0.19" MIN.
3	M80 x 2	Base contour



## XSA-66 Pin Fin Heat Sink $\phi$ 80mm for Xicato

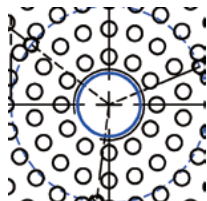
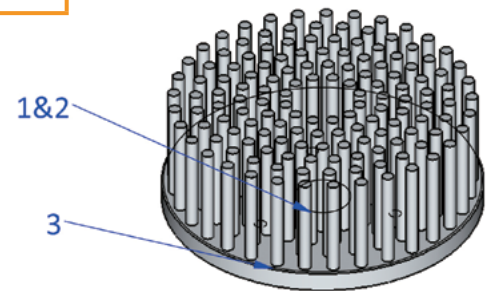
### Product Details

	Total Height <sup>mm</sup>	Rth( $^{\circ}$ C/W)	Volume <sup>mm<sup>3</sup></sup>	Cooling Surface <sup>mm<sup>2</sup></sup>	Weight <sup>gr</sup>
XSA-66	30	3.3	50163.38	45535.81	132

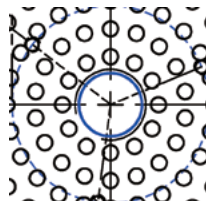
### Mounting Options

#### Notes:

1. MechaTronix reserves the right to change products or specifications without prior notice.
2. Mentioned models are an extraction of the full product range. For specific mechanical adaptations please contact MechaTronix.
3. All these types are made by forging process from highly conductive aluminum type AL1070 with a typical Thermal Conductivity of 209W/m-K.



**1** Mechanical version  
 Center hole tapping  
 M14x1.5  
 Through out 5mm base



**2** Mechanical version  
 Center hole tapping  
 #9/16-12UNC  
 Through out 5mm base

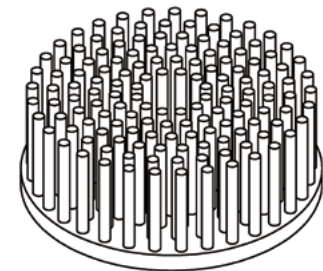
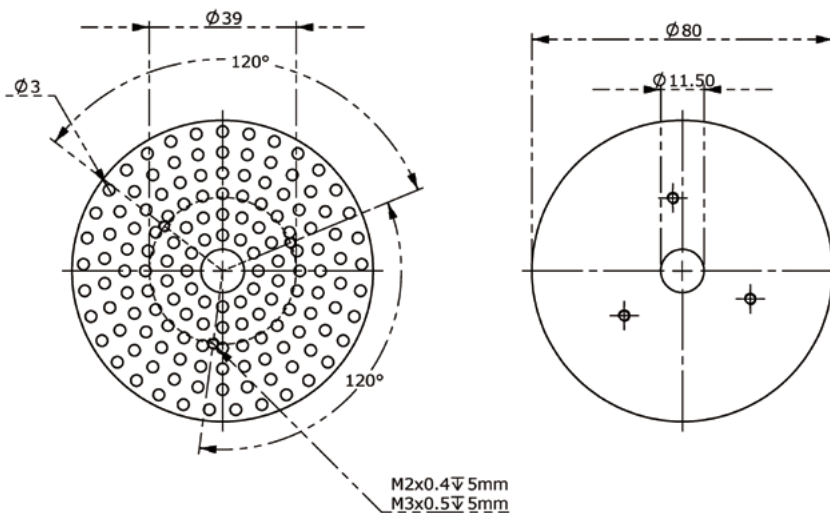


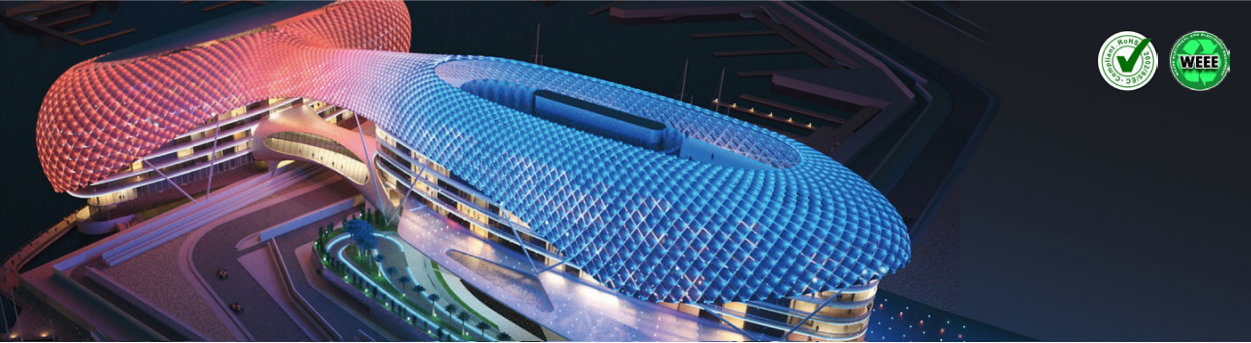
**3** Mechanical version  
 M80x2  
 Screw thread around  
 base contour

### Drawings & Dimensions

#### Example : XSA-66-M2

Unit: mm





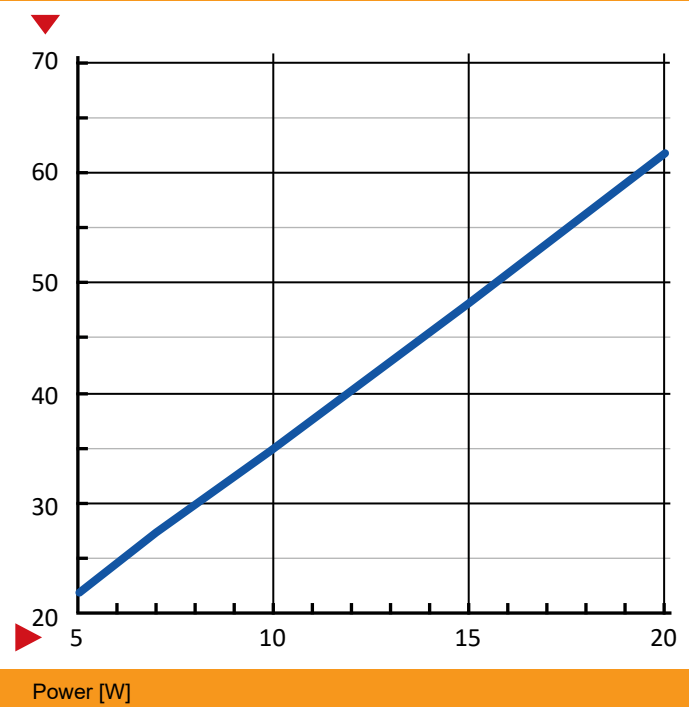
## XSA-66 Pin Fin Heat Sink $\phi$ 80mm for Xicato

### Thermal Data

#### Heat sink base to ambient thermal resistance, $R_{hs-amb}$ [K/W]

Power (W)	XSA-66
5	4.3
7	3.9
10	3.6
15	3.3
20	3.1
Rth Av.	3.3

#### Heat sink to ambient temperature difference [°C]



#### Spreading resistance, $R_{sp}$ [K/W]

Base thickness	Ratio of light engine (LE) area over heat sink base area, ALE/Ahs [%]	t=2mm	t=3mm	t=5mm	t=10mm
		1%	0.87	0.61	0.41
	3%	0.68	0.47	0.30	0.20
	5%	0.54	0.37	0.24	0.15
	8%	0.44	0.30	0.19	0.12
	11%	0.36	0.24	0.15	0.09
	20%	0.24	0.17	0.10	0.06
	32%	0.16	0.11	0.07	0.04
	62%	0.06	0.04	0.03	0.01

#### Heat sink base spreading resistance, $R_{sp}$ [K/W], based on base thickness, t

