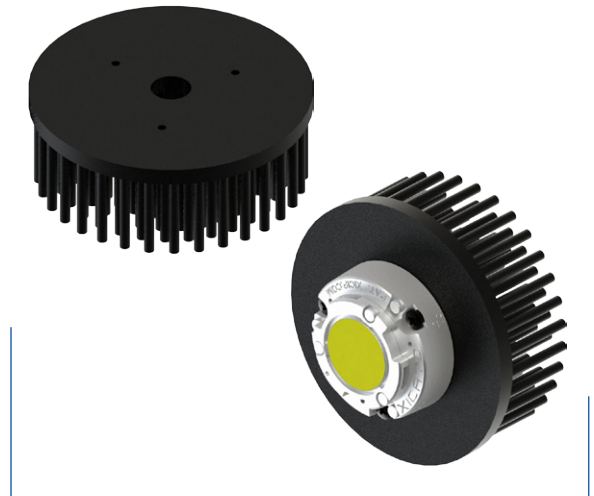


XSA-66 Pin Fin Heat Sink ϕ 80mm for Xicato

Features & Benefits

- Designed for Xicato XSM 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

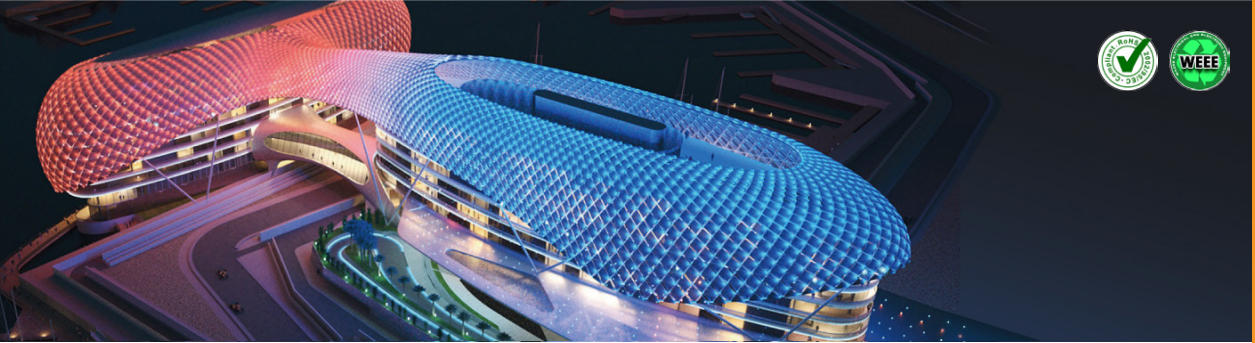
XICATO

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

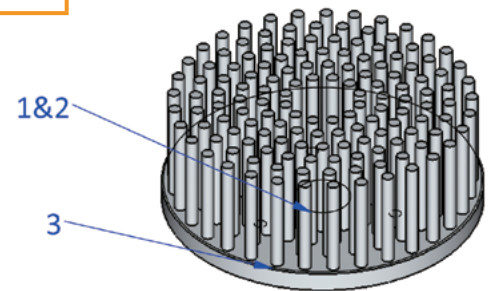


XSA-66 Pin Fin Heat Sink ϕ 80mm for Xicato

Product Details

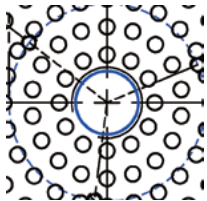
	Total Height ^{mm}	Rth($^{\circ}$ C/W)	Volume ^{mm³}	Cooling Surface ^{mm²}	Weight ^{gr}
XSA-66	30	3.3	50163.38	45535.81	135.44

Mounting Options

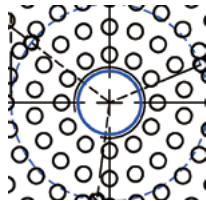


Notes:

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

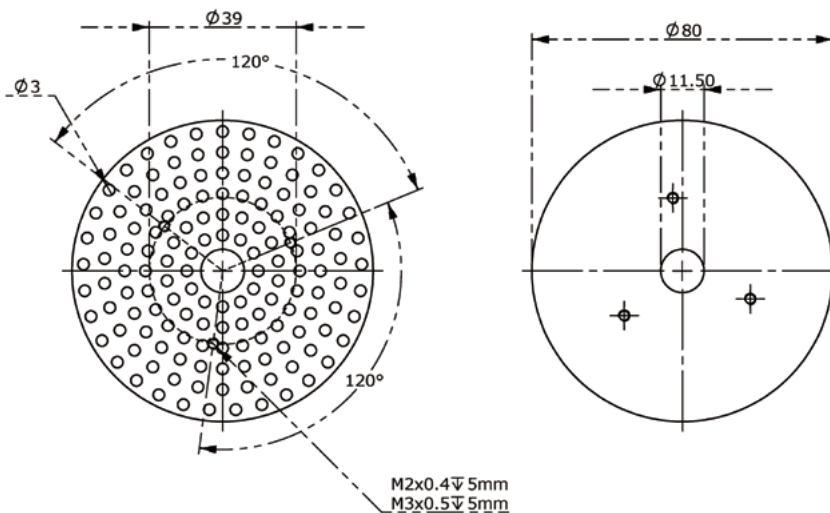


2 Mechanical version
 Center hole tapping
 #9/16-12UNC
 Through out 5mm base

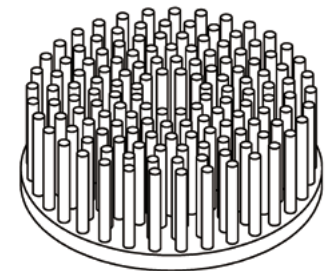


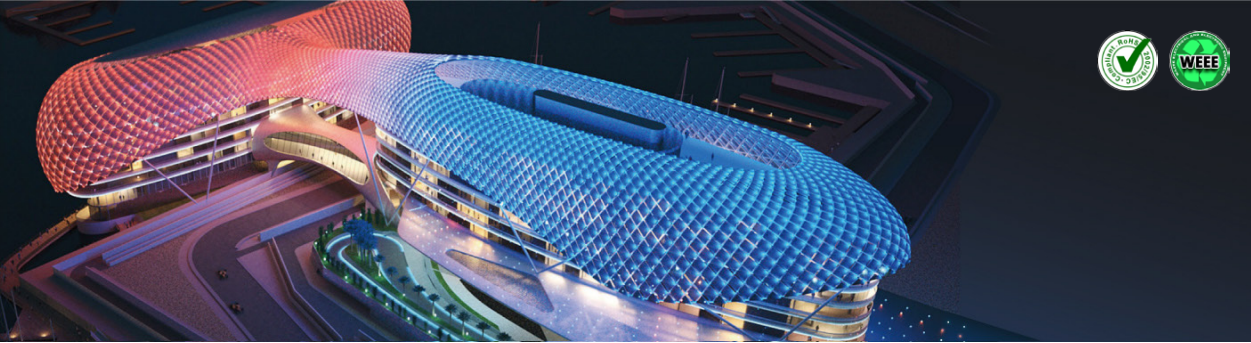
3 Mechanical version
 M80x2
 Screw thread around
 base contour

Drawings & Dimensions



Example : XSA-66-M2





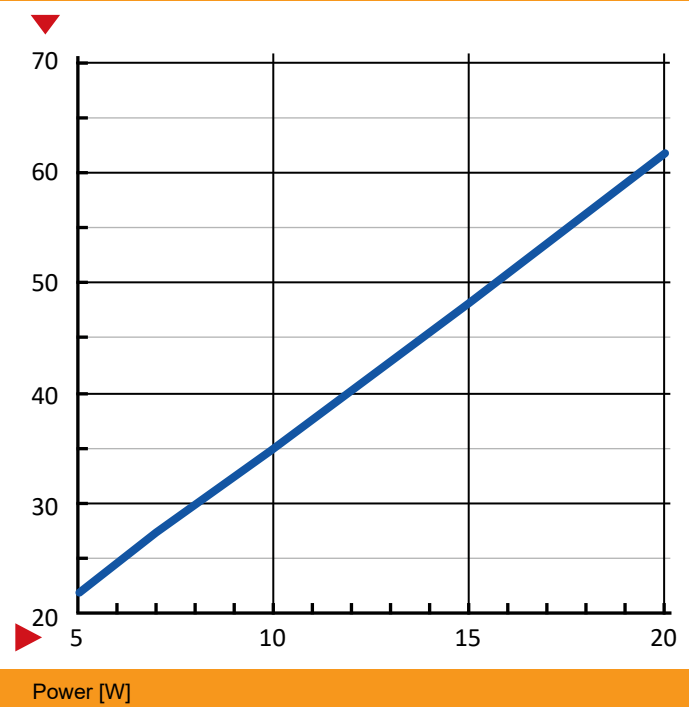
XSA-66 Pin Fin Heat Sink ϕ 80mm for Xicato

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
$R_{th Av.}$	3.3

Heat sink to ambient temperature difference [°C]



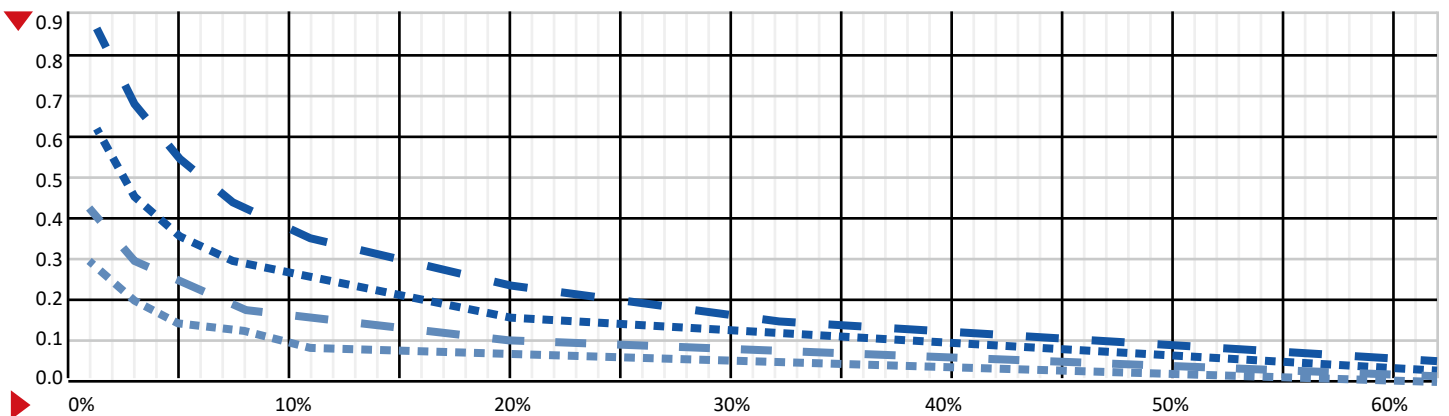
Spreading resistance, R_{sp} [K/W]

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

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

— t=2mm - - - t=3mm
- - - t=5mm - - - t=10mm



Ratio of light engine (LE) area over heat sink base area, ALE/Ahs [%]