

# LED Heatsink R186-70

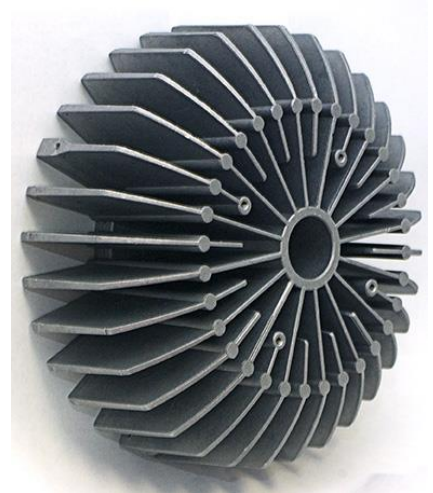
**This LED heatsink is part of the Aavid scalable LED portfolio.**

**Future proof** – Designed with the rapidly evolving light engine industry in mind, thermal performance can be easily increased or decreased without a luminaire redesign by adding or removing a SynJet Cooler

**Flexibility** – Configure to order luminaire production process, use heatsinks for low lumen applications and the SynJet Cooler with heatsink for higher lumen versions

**Freedom** – Compatible with most major light engines so thermal solutions and mechanical interfaces do not have to be redesigned when changing light engines

**Fast** – In stock and ready for overnight delivery, worldwide



## Specifications

### Thermal<sup>1</sup>

Thermal Wattage	Heatsink $\Theta_{s-a}$ <sup>2</sup>	Heat Sink $T_{Rise Above Ambient}$
20 W	0.85 (°C/W)	17 (°C)
30 W	0.83 (°C/W)	25 (°C)
40 W	0.81 (°C/W)	33 (°C)

### Mechanical

<b>Material</b>	ADC12 Al Cast
<b>Finish</b>	Silver
<b>Weight</b>	1600g
<b>Regulatory</b>	RoHS

Size
Diameter: 186 mm
Height: 70 mm

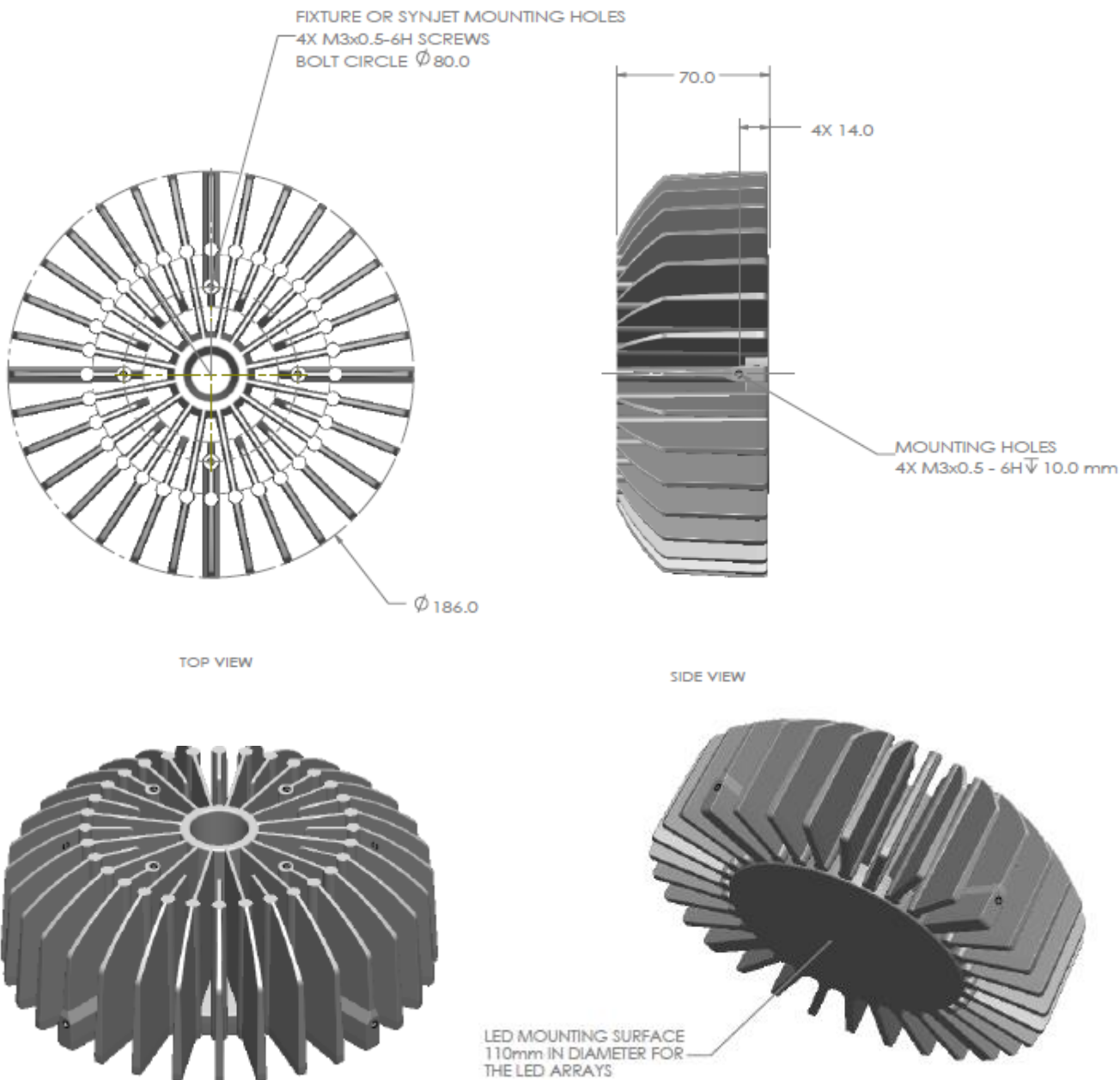
## Part Numbers

Part Number	Description	Notes
NX501101	LED Heatsink, R186-70, Fortimo DLM, SLM, Twistable DLM 1100 & 2000, Osram Cube, Zhaga B3, Silver	Contact Sales for other heatsink options
NX501103	LED Heatsink, R186-70, Toshiba E Core, Zhaga B6, Xicato XSM, Silver	Contact Sales for other heatsink options
NX501105	LED Heatsink, R186-70, Bridgelux Vero 13-18, 29, Ledil Lena Std. Base, Silver	Contact Sales for other heatsink options
NX501107	LED Heatsink, R186-70, Citizen CLL040, Ledil Holder, Silver	Contact Sales for other heatsink options
NX501111	LED Heatsink, R186-70, Osram Soleriq E30, E45, Ledil Holder, Silver	Contact Sales for other heatsink options

<sup>1</sup> All values are typical at 25°C unless otherwise stated.

<sup>2</sup> Thermal resistance values are given as reference only and are measured in free air without airflow obstructions. Thermal resistance is measured from the bottom middle of the heat sink to ambient air with a heat source of 19 cm<sup>2</sup>. Actual thermal performance may vary by application and final product design should be tested to assure proper thermal performance.

**Mechanical – LED Heat Sink Overall Dimensions**



All dimensions are nominal and in mm unless otherwise stated.  
See product drawings for LED Mounting Surface Hole Patterns.

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