

# Spotlight Cooler 70W LED Heat Sink

**This LED Heatsink is part of the Nuventix 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 $\Theta_{s-a}^2$	Heat Sink T <sub>Rise Above Ambient</sub>
22 W	1.2 (°C/W)	27 (°C)
32 W	1.1 (°C/W)	36 (°C)
42 W	1.1 (°C/W)	45 (°C)

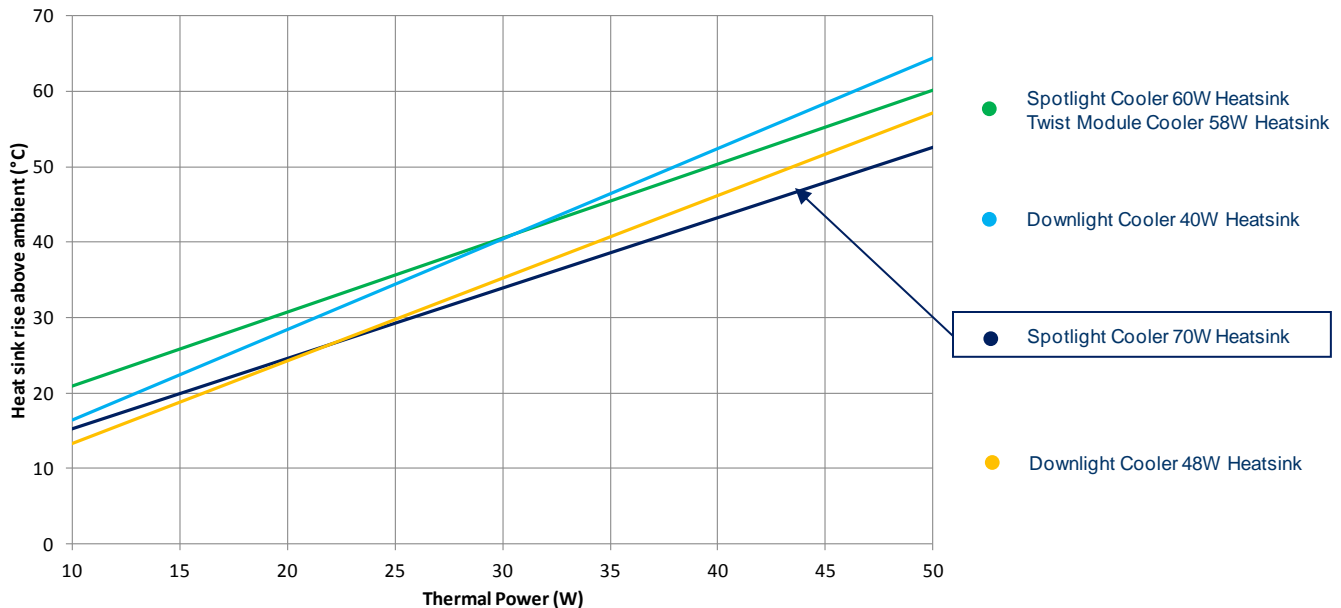
### Mechanical

<b>Material</b>	6063-T5 Al Extrusion
<b>Finish</b>	Black Anodized
<b>Weight</b>	433g
<b>Regulatory</b>	RoHS

Size
Diameter: 134 mm
Height: 42 mm

The chart below summarizes the thermal performance of all round LED heatsink solutions with diameters from 118 to 138 mm.

**Heatsink Rise Above Ambient vs. Thermal Power  
Round Heatsinks Diameter 118 to 138 mm**

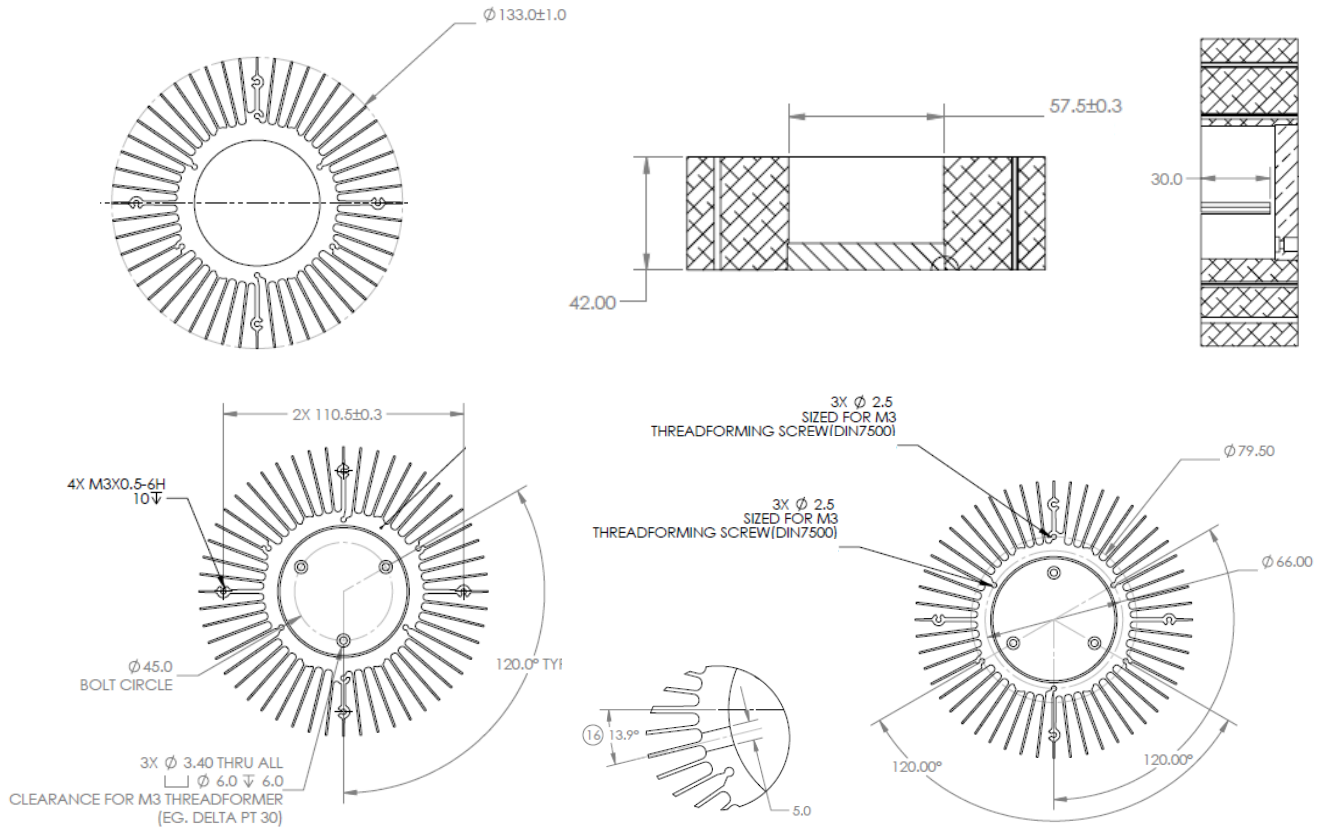


<sup>1</sup> All values are typical at 25°C unless otherwise stated.

<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.

# PRODUCT DATASHEET

## Mechanical – LED Heatsink shown with Configurable heat sink



All dimensions are nominal and in mm unless otherwise stated. See product drawings for more detail.

### Part Numbers

Part Number	Description	Notes
NX300119	LED Heatsink, 70W, Spotlight Cooler, Configurable, Molex Helieon, Philips Twistable, Zhaga B2, Black	Contact sales for other heatsink options
NX300120	LED Heatsink, 70W, Spotlight Cooler, Philips SLM, Vossloh-Schwabe, Molex Helieon, Philips Twistable, Zhaga B2, Black	Contact sales for other heatsink options
NX300121	LED Heatsink, 70W, Spotlight Cooler, Osram PrevaLed, Molex Helieon, Philips Twistable, Zhaga B2, Black	Contact sales for other heatsink options
NX300122	LED Heatsink, 70W, Spotlight Cooler, BridgeLux RS, Molex, Molex Helieon, Philips Twistable, Zhaga B2, Black	Contact sales for other heatsink options
NX300123	LED Heatsink, 70W, Spotlight Cooler, Zhaga B3, Tridonic, Molex Helieon, Philips Twistable, Zhaga B2, Black	Contact sales for other heatsink options
NX300151	LED Heatsink, 70W, Spotlight Cooler, Citizen CLL040, Ledil, Molex Helieon, Philips Twistable, Zhaga B2, Black	Contact sales for other heatsink options

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