

Spotlight Cooler 70W LED Heat Sink

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

Thermal¹

Thermal Wattage	Heatsink Θ_{s-a}^2	Heat Sink T_{Rise} Above Ambient
22 W	1.2 ($^{\circ}C/W$)	27 ($^{\circ}C$)
32 W	1.1 ($^{\circ}C/W$)	36 ($^{\circ}C$)
42 W	1.1 ($^{\circ}C/W$)	45 ($^{\circ}C$)

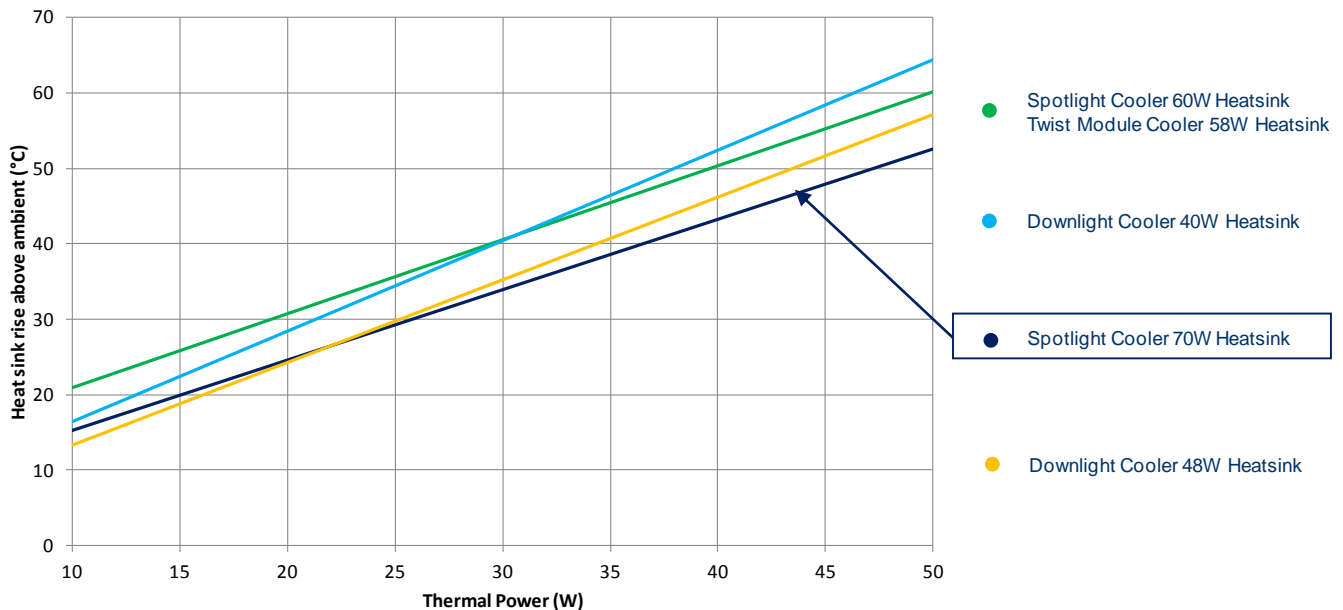
Mechanical

Material	6063-T5 Al Extrusion
Finish	Black Anodized
Weight	433g
Regulatory	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.

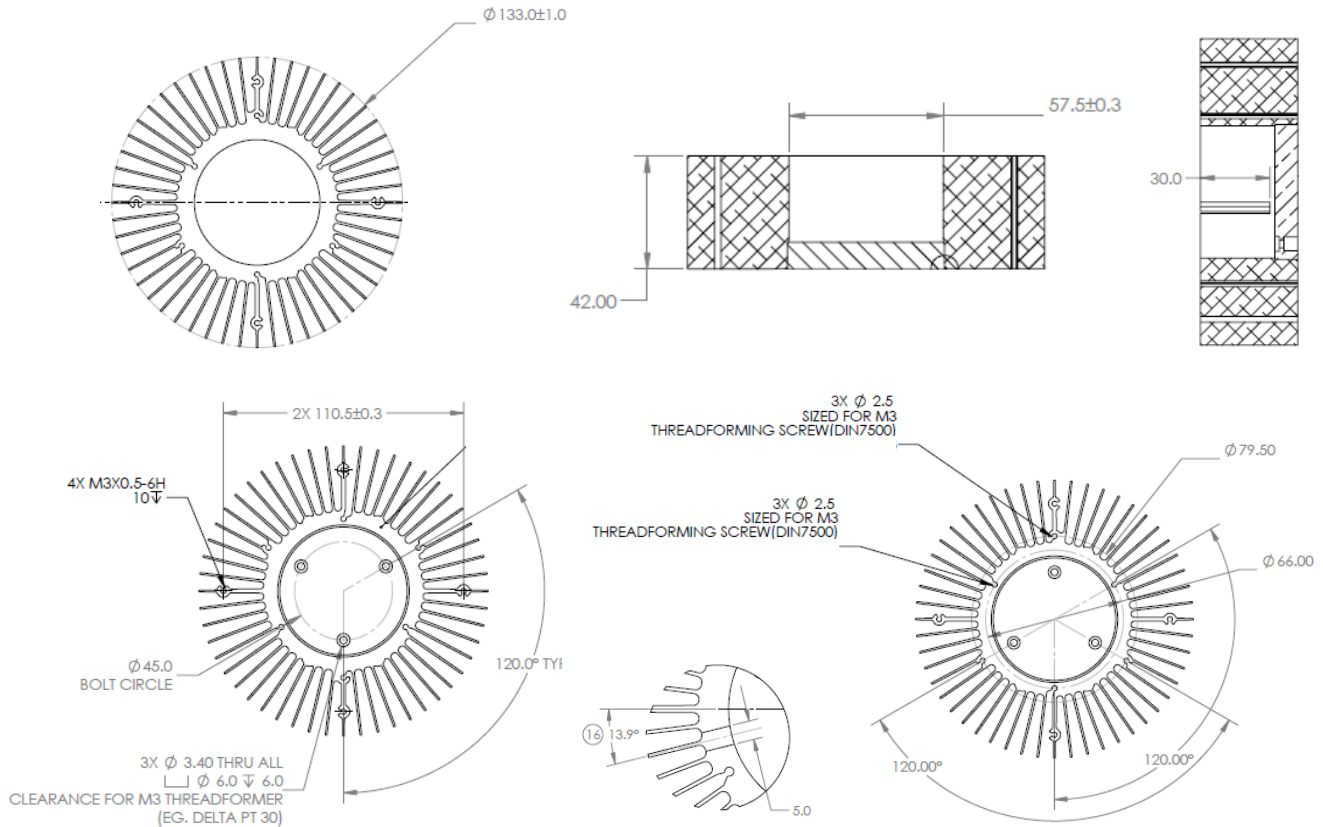
**Heatsink Rise Above Ambient vs. Thermal Power
Round Heatsinks Diameter 118 to 138 mm**



¹ All values are typical at 25°C unless otherwise stated.

² 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 cm². Actual thermal performance may vary by application and final product design should be tested to assure proper thermal performance.

Mechanical – LED Heatsink (Configurable version shown)



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

Part Numbers

Part Number	Description	Notes
NX300119	Heatsink, 70W, Spotlight Cooler, Configurable, Molex Helieon, Philips Twistable, Zhaga B2, Black, Al insert	Contact sales for other heatsink options
NX300120	Heatsink, 70W, Spotlight Cooler, Philips SLM, Vossloh-Schwabe, Molex Helieon, Philips Twistable, Zhaga B2, Black, Al insert	Contact sales for other heatsink options
NX300121	Heatsink, 70W, Spotlight Cooler, Osram PrevaLed, Molex Helieon, Philips Twistable, Zhaga B2, Black, Al insert	Contact sales for other heatsink options
NX300123	Heatsink, 70W, Spotlight Cooler, Zhaga B3, Tridonic, Molex Helieon, Philips Twistable, Zhaga B2, Black, Al insert	Contact sales for other heatsink options
NX300151	Heatsink, 70W, Spotlight Cooler, Citizen CLL040, Ledil, Molex Helieon, Philips Twistable, Zhaga B2, Black, Al insert	Contact sales for other heatsink options
NX300159	Heatsink, 70W, Spotlight Cooler, Bridgelux Vero 29, RS & Molex, Molex Helieon, Philips Twistable, Zhaga B2, Black, Al insert	Contact sales for other heatsink options

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