

# Spotlight Cooler 38W 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 $\Theta_{sa}$	Heat Sink $T_{Rise Above Ambient}$
10 W	2.1 (°C/W)	22 (°C)
19 W	1.9 (°C/W)	36 (°C)
28 W	1.8 (°C/W)	49 (°C)

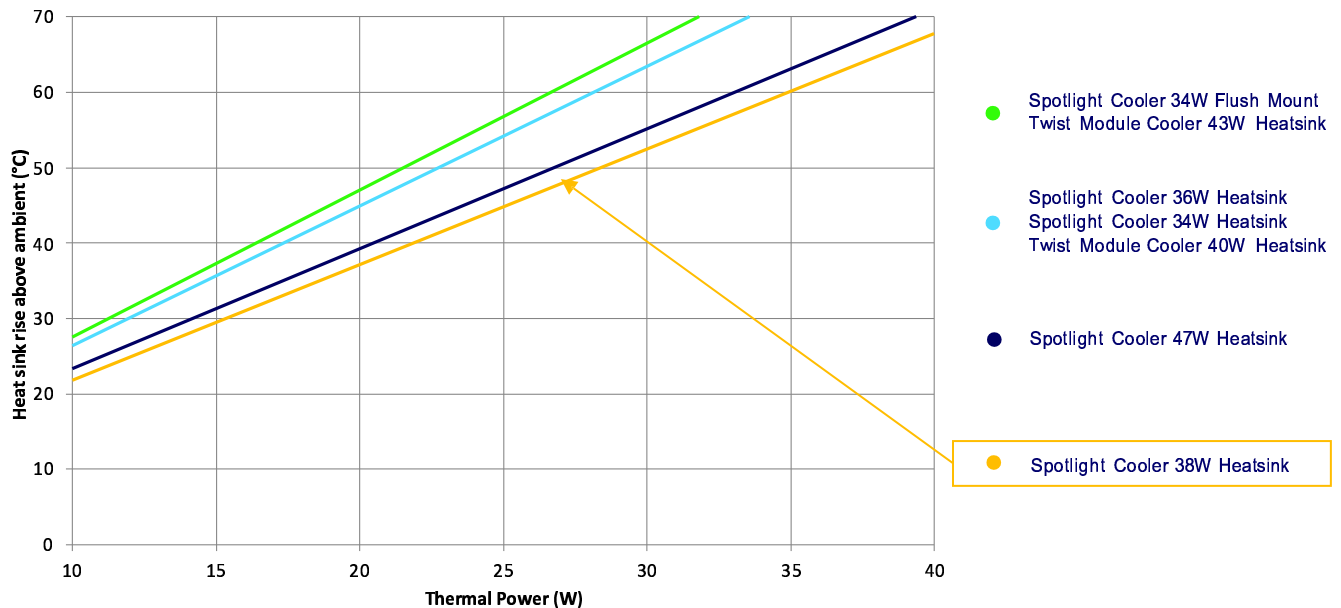
### Mechanical

<b>Material</b>	6063-T5 Al Extrusion
<b>Finish</b>	Black Anodized
<b>Weight</b>	295g
<b>Regulatory</b>	RoHS

Size
Diameter: 100 mm
Height: 57 mm

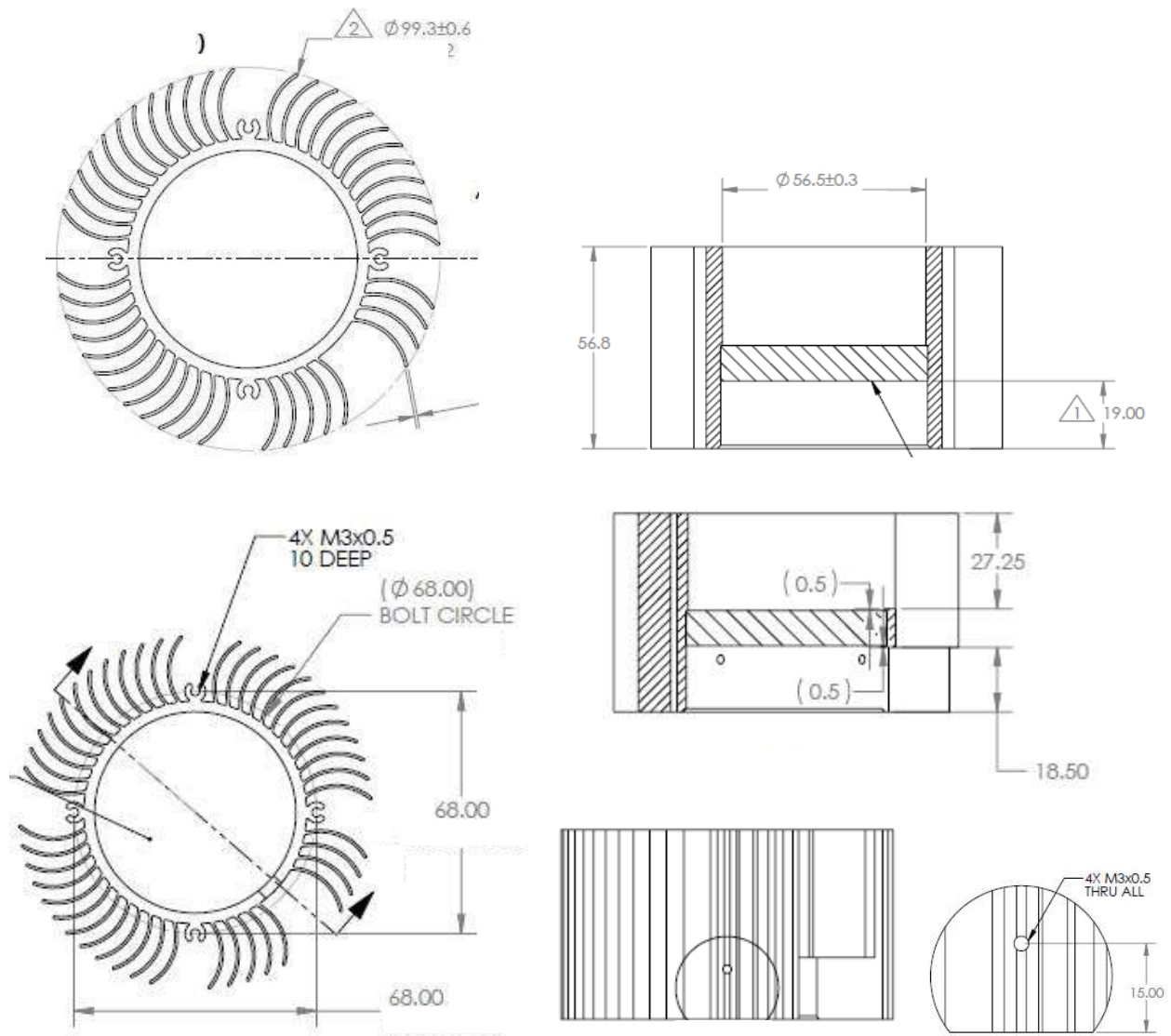
The chart below summarizes the thermal performance of all round LED heatsink solutions with diameters from 75 to 100 mm.

Heatsink Rise Above Ambient vs. Thermal Power  
Round Heatsinks Diameter 75 to 100 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.

**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
HSLCS-CALBL-011	Heatsink, 38W, Spotlight Cooler, Configurable, Black	Mounting surface does not have mounting holes
HSLCS-CALBL-012	Heatsink, 38W, Spotlight Cooler, Philips SLM, Vossloh-Schwabe, Black	Has mounting holes for Philips SLM or Vossloh-Schwabe
HSLCS-CALBL-015	Heatsink, 38W, Spotlight Cooler, Osram PrevaLED, Black	Has mounting holes for Osram PrevaLED
HSLCS-CALBL-019	Heatsink, 38W, Spotlight Cooler, Zhaga B3, Tridonic, Black	Has mounting holes for Zhaga Spot Modules
HSLCS-CALBL-030	Heatsink, 38W, Spotlight Cooler, Xicato XSM M3, Black	Has mounting holes for Xicato XSM Modules
HSLCS-CALBL-035	Heatsink, 38W, Spotlight Cooler, Bridgelux Vero 13/18, ES, Molex, Black	Has mounting holes for Bridgelux Vero 13/18

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