



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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

Thermal¹

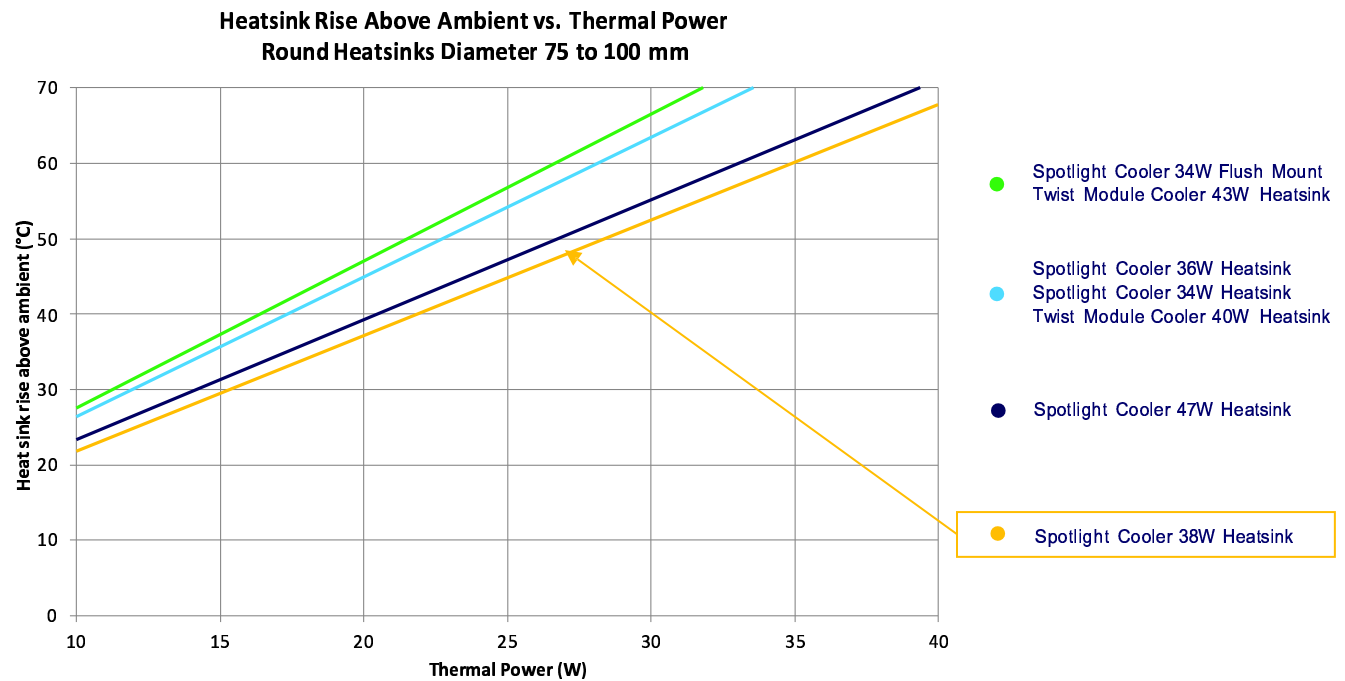
| Thermal Wattage | Heatsink Θ_{sa} | Heat Sink $T_{Rise Above Ambient}$ |
|-----------------|------------------------|------------------------------------|
| 10 W | 2.1 (°C/W) | 22 (°C) |
| 19 W | 1.9 (°C/W) | 36 (°C) |
| 28 W | 1.8 (°C/W) | 49 (°C) |

Mechanical

| | |
|-------------------|----------------------|
| Material | 6063-T5 Al Extrusion |
| Finish | Black Anodized |
| Weight | 295g |
| Regulatory | RoHS |

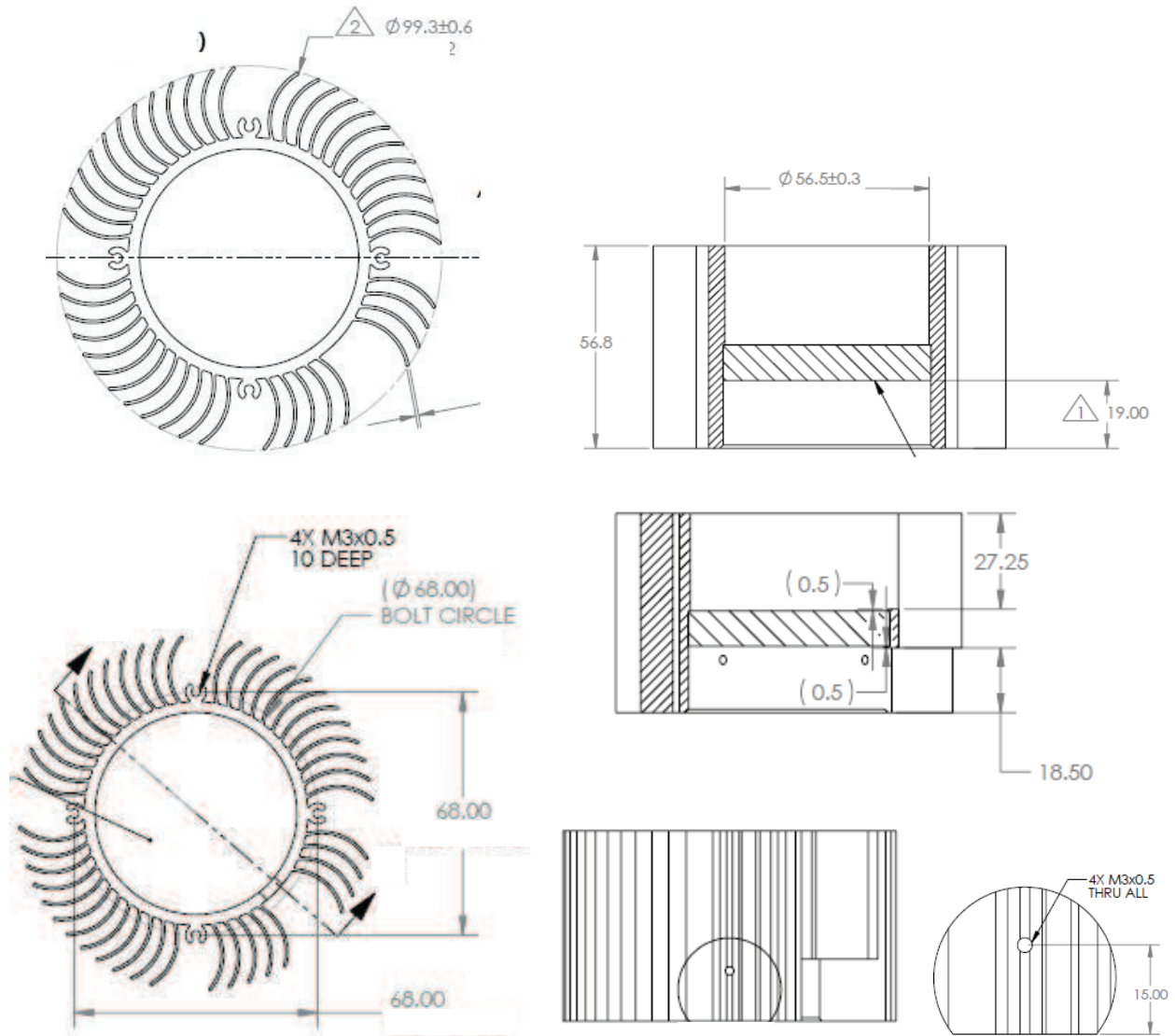
| Size |
|------------------|
| Diameter: 100 mm |
| Height: 57 mm |

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



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 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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