FrigoDynamics® PS HPK-Sink™ Heatsink for LEDs ≤ 15W [3]

The PS HPK-Fin™ heatsink provides a good thermal resistance value per given space and a low pressure drop. The round pins reduce the resistance to incoming air and enhance air turbulence between the pins.

	Value	Conditions
Thermal Resistance (Tc)	3.80 °C/W [1, 2]	Measured between LED Tc - ambient
Thermal Resistance (Hs)	3.50 °C/W [1]	Measured between heat sink base - ambient
Design power	15W [3]	Electrical Load (~80% Pth)
Storage Temperature	-40°C to 100°C	Air temperature surrounding cooler
Surface finish	Black	Anodized
Weight	118g (~0.26 lbs)	Complete cooler
Regulatory Compliance	RoHS	No further compliance necessary for passive devices

[1] Thermal resistance is measured in free air without airflow obstructions and in a horizontal orientation.

[2] This value is impacted by the thermal interface material used, especially with smaller heat sources.

[3] Design power is based on 50 °C temperature difference between maximum Tc point on LED module and ambient temperature.

Dimensions (mm)

Ø 50 — PS08

Ø 50 — PS18

68

8
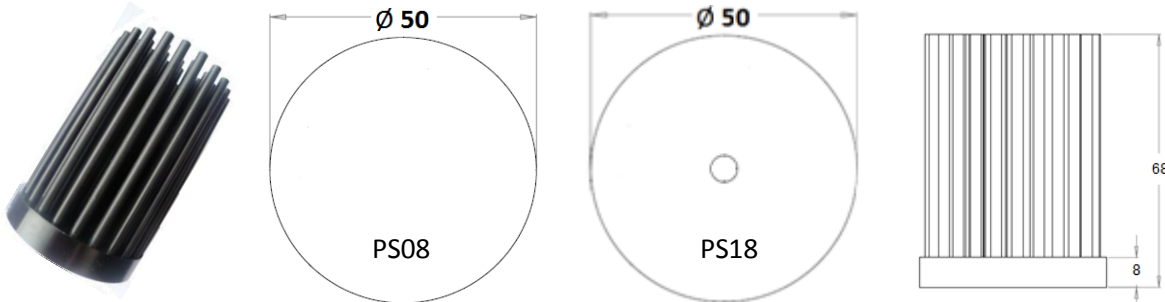
Product Guide

Part Number	Description	Specifics
PSx8050068-00AN	blank surface	
PSx8050068-06AN	with Xicato XSM™ mounting pattern	Rated Xicato Thermal Class F
PSx8050068-09AN	Zhaga mounting pattern	
PSx8050068-17AN	Citizen CITILED™ and Zhaga mounting pattern	CLL022, CLL032
PSx8050068-18AN	Bridgelux VERO™ and Zhaga mounting pattern	VERO™10, VERO™13, VERO™18

Please contact us, should you have specific requirements not covered in this data sheet.

Disclaimer

Information given by FrigoDynamics® is believed to be accurate and reliable. However, since every potential application and the environment our products operate in cannot be anticipated, FrigoDynamics® does not guarantee suitability in all circumstances. Thermal performance may vary depending on the enclosure, the operating orientation and natural airflow. FrigoDynamics® shall not be liable for incidental or consequential damages of any kind.