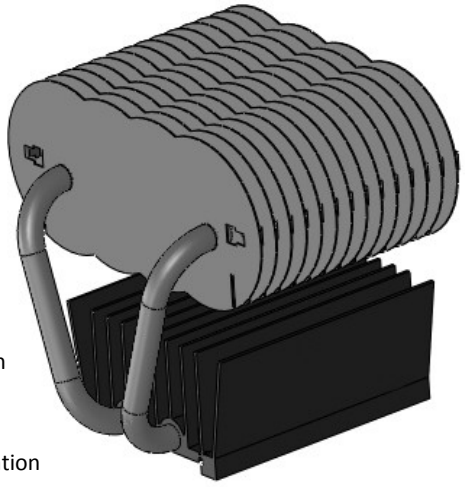
FrigoDynamics® **TC HPK-Fin™ 120** Cooler

For LEDs ≤ 30W

The TC HPK-Fin™ cooler is a 2-phase heat exchanger allowing high levels of power dissipation with zero power consumption. This design trades the low profile of the OC/LC version for a shorter length, fitting envelopes which have limited length wises pace available. Ideal for recess down lights.

- Passive, no CO_2 emissions
- Light weight
- Compact
- Zero noise levels
- No operating cost
- No lifetime issues
- Easy installation



Please Note:
Registered German
Utility Model
DBGM protected
PCT Patent Application

Specifications

	Value	Conditions
Thermal Resistance (Tc)	1.15 °C/W [1, 2]	Measured between LED Tc - ambient
Thermal Resistance (Hs)	0.95 °C/W [1]	Measured between heat sink base - ambient
Design power	30W [3]	Electrical Load
Storage Temperature	-40°C to 100°C	Air temperature surrounding cooler
Surface finish	Black	Anodized
Weight	310g & 325g	Complete cooler: variation 1 & variation 2
Regulatory Compliance	RoHS	No further compliance necessary for passive devices

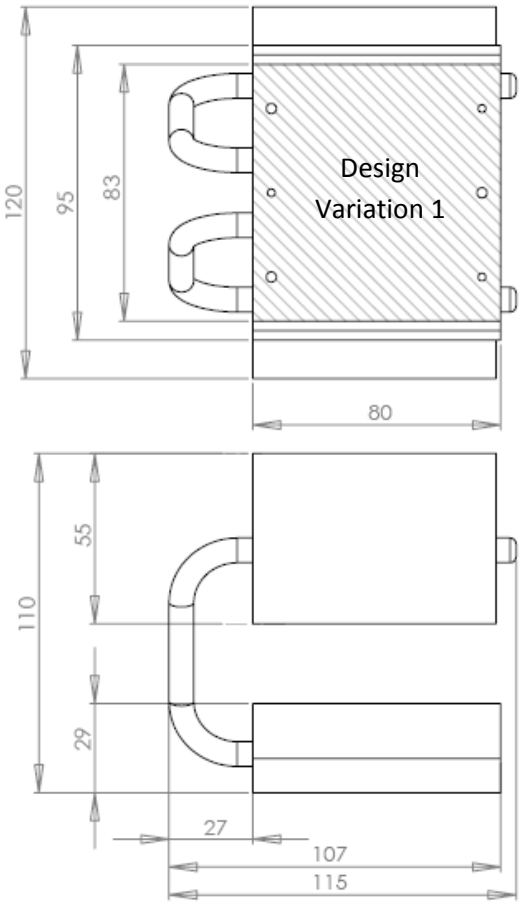
[1] Thermal resistance is measured in free air without airflow obstructions and in a horizontal orientation.

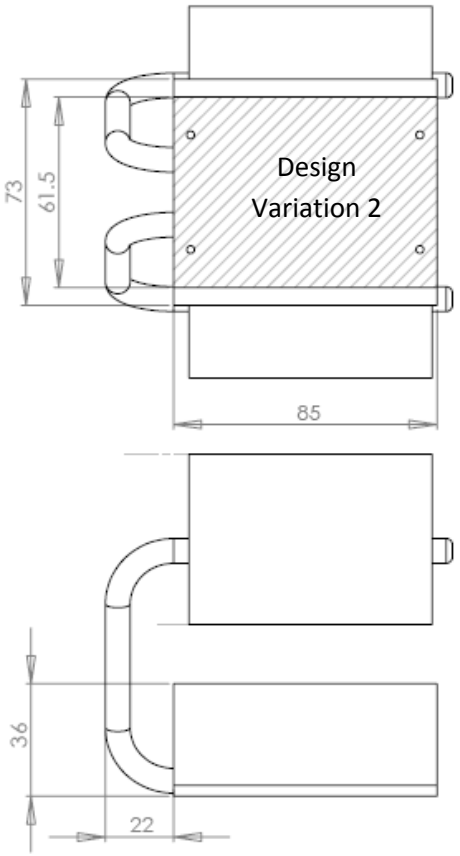
[2] This value is impacted by the thermal interface material used, especially with smaller heat sources.

[3] Design power is based on 30 °C temperature difference between maximum Tc point on LED module to ambient temperature.

www.frigodynamics.com
info@frigodynamics.com

Dimensions (mm)





3D envelope CAD file available upon request and endorsement of FrigoDynamics NDA

Product Guide

Part Number	Description	Specifics
TC 0200 HPK01-120AN	Blank Surface	Design variation 1
TC 0300 HPK01-120AN	Blank Surface	Design variation 2
TC 0201 HPK01-120AN	With Fortimo/Lexel™ mounting holes	Design variation 1 for Fortimo/Lexel™
TC 0302 HPK01-120AN	With Xicato mounting holes	Design variation 2 for XLM/XSM™
TC 0303 HPK01-120AN	With Bridgelux® mounting holes	Design variation 2 for all BXRA
TC 0304 HPK01-120AN	With OSRAM/Philips mounting holes	Design variation 2 for PrevaLED®/SLM

Please contact us, should you have specific requirements not covered in the data sheets.

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info@frigodynamics.com