cooliance CPL100 Series Passive LED Cooler

Features

- Solid one-piece forged aluminum construction for maximum thermal conductivity.
- Pin fin design maximizes surface area and provides omni-directional cooling to eliminate concerns about orientation of the heat sink (unlike a linear extrusion).
- Precision-machined flat base ensures consistent contact between the heat sink, interface and LED substrate to maximize heat transfer.
- Standard 10mm base thickness allows for full recommended depth for mounting holes.

Specifications

Model	Diameter (mm)	Height (mm)	Base Thickness (mm)	Weight (g)	Thermal Resistance (°C/W)	Power Dissipation (w)*	
						Ambient 25°C	Ambient 35°C
CPL10050-XXX	100	50	10	313	1.20	63	52
CPL10070-XXX	100	70	10	377	1.03	73	61

Notes

- Thermal testing is performed in open air. Results in a closed environment will vary. Cooliance recommends that each application be tested.
- *Power Dissipation (watts) calculation assumes an LED case temperature of 85°C and an LED input power to output power conversion efficiency of 80%.
- Custom versions of this product are available upon request.
- Holes for mounting LED devices are available and supported by Cooliance. Please consult factory for mounting hole options.

North America Cooliance, Inc.
Warwick, RI USA
401-921-6500

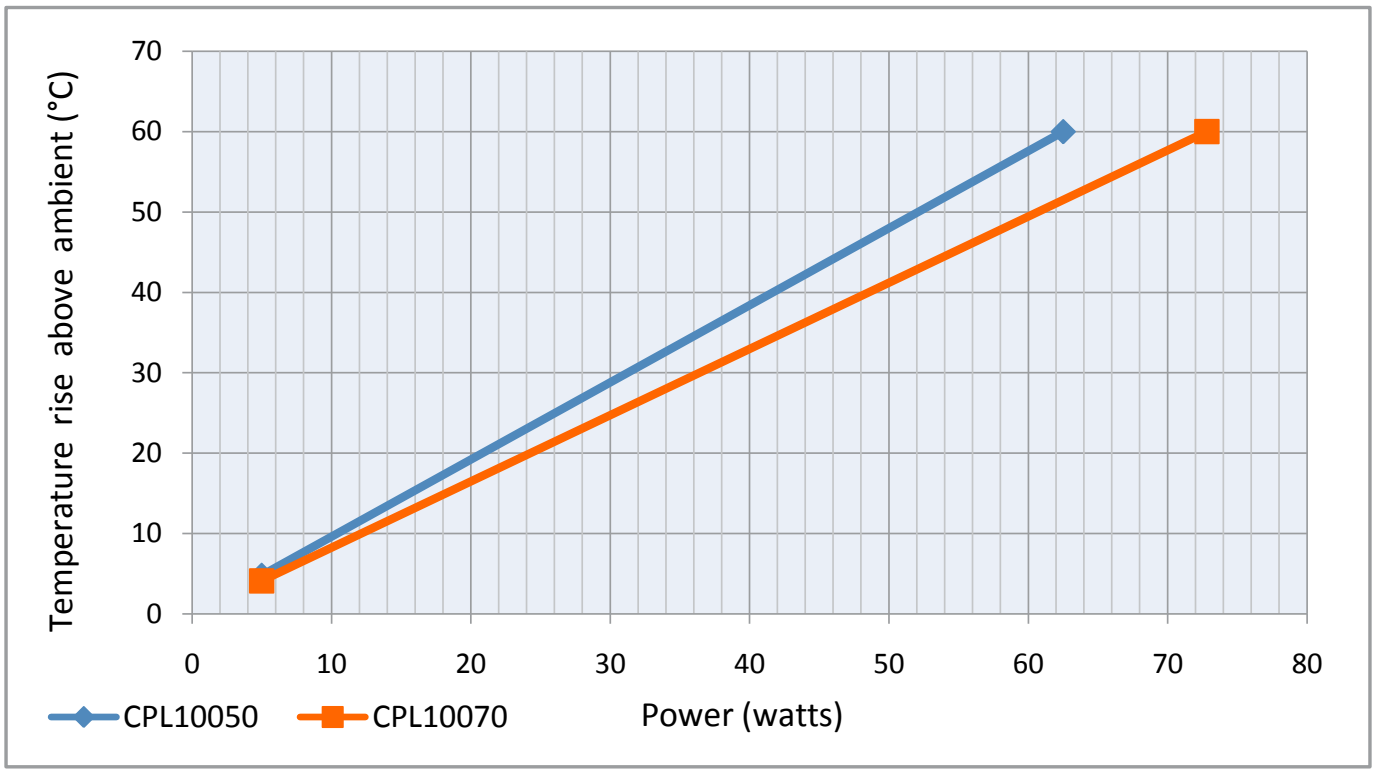
Europe Cooliance, GmbH
Ettlingen, Germany
+49 7243 3329734

cooliance
Innovative Cooling Technology
www.cooliance.com

Rev C

CPL100 Series Passive LED Cooler

Thermal Performance Chart



North America Cooliance, Inc.
Warwick, RI USA
401-921-6500

Europe Cooliance, GmbH
Ettlingen, Germany
+49 7243 3329734

cooliance
Innovative Cooling Technology
www.cooliance.com