



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
CPL4050-XXX	40	50	10	50	3.70	20	17
CPL4070-XXX	40	70	10	60	3.05	25	20

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.

CPL40 Series Passive LED Cooler

Thermal Performance Chart

