Cooliance – A leader in LED Cooling

Cooliance has an extensive range of options to provide the optimal cooling solution for your LED application. Our precision forge process provides unique advantages for LED cooling.

- Forging can produce round and other non-linear shapes that are preferred for LED applications.
- The forge process uses high pressure to form the material and provides control over the grain structure to provide superior thermal performance.
- LED's are generally convection cooled and our forged pin fin arrays provide the best possible thermal performance in ambient environments.
- Heat sinks can be forged in either aluminum or copper.

Sizes range from 5 mm diameter to 100mm and shapes can be almost any shape you need.

Standard or modified standard solutions - We can provide a solution from our standard product line and model it to ensure that it will provide adequate cooling for your application..

Custom design services - Our thermal engineers can also work with you to design and model a custom solution optimized to meet the needs of your application.

- Round Pin Fin LED Heatsinks - Up to 50W
- High Power LED Heatsinks - Exceeding 50W

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Round Pin Fin LED Heatsinks

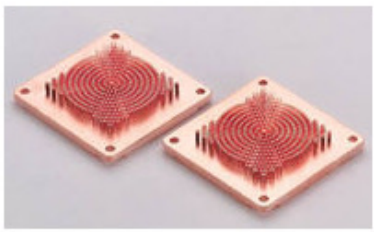
Forged Pin Fin Heatsinks – The Perfect Fit for LED Applications!

Cooliance has a broad range of pin fin solutions for LED cooling. Pin fins are perfectly suited for convection cooling due to their high surface area. They can be manufactured in aluminum or copper and they come in a variety of shapes including round, oblong, square and rectangular.

Sizes range from:

- Diameters of 10 mm to 80 mm
- Width from 10 mm to lengths of 200 mm

A variety of standard shapes and sizes are available and these can be modified to meet your application requirements.



Our thermal engineers can also design and model a customized cooling solution for your LED application or we can manufacture your design.

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Part Number	Dia. (mm)	Height (mm)	Base Thk. (mm)	Material
CML3201-20-3-101	32	20	3	Aluminum
CML3201-25-3-101	32	25	3	Aluminum
CML3201-30-3-101	32	30	3	Aluminum
CML3201-35-3-101	32	35	3	Aluminum
CML3901-20-3-101	39	20	3	Aluminum
CML3901-25-3-101	39	25	3	Aluminum
CML3901-30-3-101	39	30	3	Aluminum
CML3901-35-3-101	39	35	3	Aluminum
CML4601-20-3-101	46	20	3	Aluminum
CML4601-25-3-101	46	25	3	Aluminum
CML4601-30-3-101	46	30	3	Aluminum
CML4601-35-3-101	46	35	3	Aluminum
CML4001-52-6-101	40	52	6	Aluminum
CML4001-52-8-101	40	52	8	Aluminum
CML4001-52-10-101	40	52	10	Aluminum
CML5001-52-6-101	50	52	6	Aluminum
CML5001-52-8-101	50	52	8	Aluminum
CML5001-52-10-101	50	52	10	Aluminum
CML6001-52-6-101	60	52	6	Aluminum
CML6001-52-8-101	60	52	8	Aluminum
CML6001-52-10-101	60	52	10	Aluminum
CML7001-52-6-101	70	52	6	Aluminum
CML7001-52-8-101	70	52	8	Aluminum
CML7001-52-10-101	70	52	10	Aluminum
CML8001-52-6-101	80	52	6	Aluminum
CML8001-52-8-101	80	52	8	Aluminum
CML8001-52-10-101	80	52	10	Aluminum

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High Power LED Heatsinks

High Power LED Heatsinks

Cooliance has leading engineering and manufacturing capabilities to cool **high power LED heatsink** applications. Our precision forge process can produce sizes as small as 50mm and as large as 160mm. We can forge the optimal fin shape depending on the direction and LFM of airflow.

We can incorporate advanced technologies to cool your most challenging LED applications including:

- Spreader Plates
- Heat Pipes
- Vapor Chambers
- Liquid Cooling

A variety of standard shapes and sizes are available and these can be modified to meet your application requirements.

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