



SHARP LED COOLING

INTERMO LED Modules - 3000lm / 4000lm / 5000lm
Mini Zenigata LED COB, Tiger Zenigata LED COB,
Mega Zenigata LED COB

- Validated Thermal Designs
- Adaptable to your Needs
- Functional & Aesthetic

SHARP

MTx
MechaTronix

Mastering LED Cooling

With the evolution of LED lighting over the last years, the demand for professional thermal solutions has grown exponentially. And now that we no longer remain in the realm of low power LED's, thermal management becomes a critical factor within LED fixtures. To that end, MechaTronix has developed several series of pin-fin and star heat sinks, manufactured through die casting, forging or extrusion. This has resulted in a comprehensive range of more than 400 off-the-shelf available LED coolers, for passive or active heat dissipation.

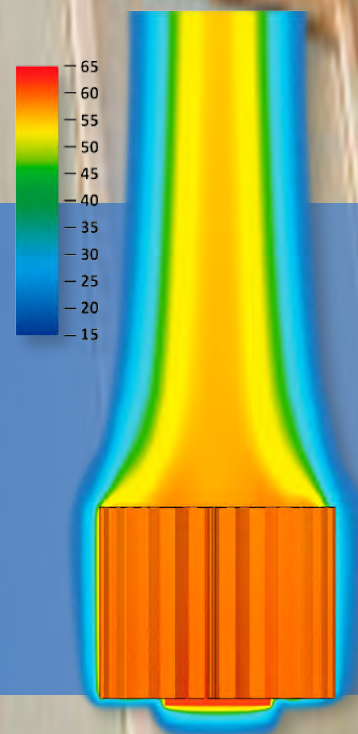
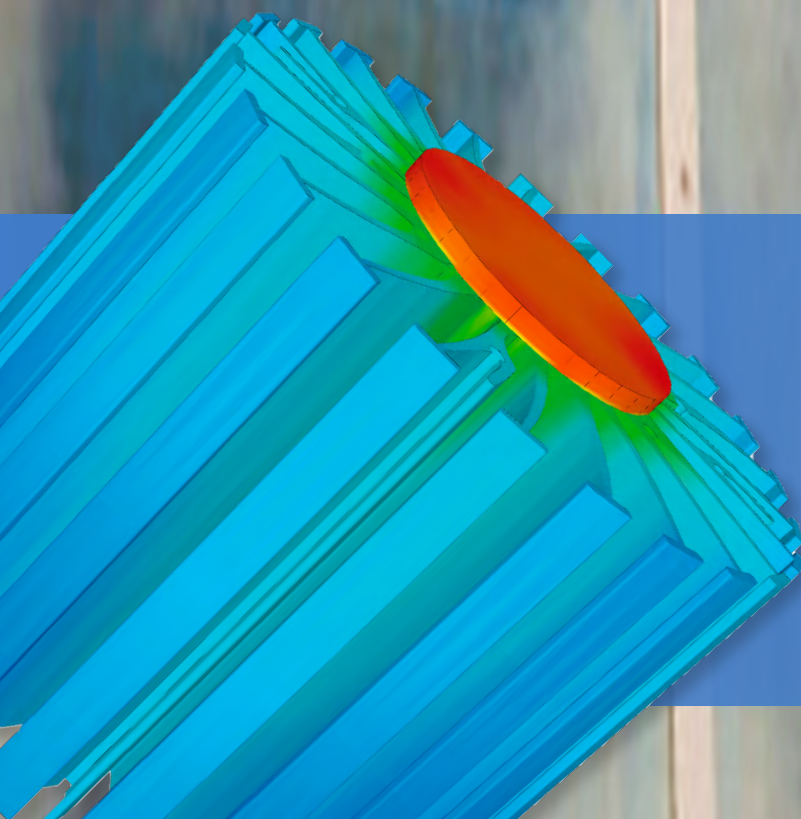
After initial reservations concerning active LED coolers, specialists have found that there really is no better option, when closing in on the 8000 lumen mark. Admittedly, the fan's lifespan becomes somewhat of a focal point in the application of an active LED cooler, but given that the lifespan of the LED engine itself dramatically decreases at high temperatures, the lifespan of the fan looks rather favourable all of a sudden.

MechaTronix' ground breaking ModuLED coolers and its actively cooled sibling IceLED have garnered a lot of attention and positive reviews in the LED market. ModuLED and IceLED are just precursors of a complete range of dedicated and highly effective LED coolers for professional deployment in spotlights, downlights, high bays and a further score of architectural and utility LED applications.

Both ModuLED and IceLED, as well as their upcoming descendants are Zhaga-ready and have a matrix of mounting holes that allows for very easy attachment of a great number of various Sharp LED modules. Simply apply a thermal interface of your choice, put the LED engine in place and fasten with self-tapping screws and you are good to go! No drilling, customisation or special mounting brackets are needed.

Thanks to an extremely thorough thermal verification of all heat sink lines, MechaTronix provides total thermal disclosure for each model, coupled with all Sharp LED COB's and engines. All thermal data is available in the product specifications, that come with every MechaTronix heat sink. In this way, engineers save time and effort during the design stage of their LED fixture and will significantly shorten their time to market.

OUR PROCESS STARTS WITH LISTENING



SHARP LED COOLING

INTERMO 3000lm, 4000lm, 5000lm LED Modules

Mini Zenigata 4-10W, 10-15W, 15-24W, Tiger Zenigata,

Mega Zenigata 15-25W, 25-40W, 35-50W, 50-80w COB

LPF3550-ZHC

Sharp LED Pin Fin cooler
ø35mm - h50mm - Rth 7.41°C/W
Cooling performance 700 - 1,300 lm



Direct mount	Zhaga holder	Sharp LED COB
	<input checked="" type="checkbox"/>	Mini Zenigata 4 - 10W

LPF4768-ZHP

Sharp LED LED Pin Fin cooler
ø47mm - h68mm - Rth 3.9°C/W
Cooling performance 1,300 - 2,500 lm



Direct mount	Zhaga holder	Sharp LED COB
	<input checked="" type="checkbox"/>	Mini Zenigata 4 - 24W
	<input checked="" type="checkbox"/>	Mega Zenigata 15 - 25W

LPF6050-ZHC

Sharp CITILED LED Pin Fin cooler
ø60mm - h50mm - Rth 4.0°C/W
Cooling performance 1,200 - 2,300 lm



Direct mount	Zhaga holder	Sharp LED COB
	<input checked="" type="checkbox"/>	Mini Zenigata 4 - 24W
	<input checked="" type="checkbox"/>	Mega Zenigata 15 - 25W

LPF6768-ZHP

Sharp LED Pin Fin cooler
ø67mm - h68mm - Rth 2.1°C/W
Cooling performance 2,300 - 4,600 lm



Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>		INTERMO 3000 lm, 4000 lm
	<input checked="" type="checkbox"/>	Mini Zenigata 4 - 24W
	<input checked="" type="checkbox"/>	Tiger Zenigata 25W
	<input checked="" type="checkbox"/>	Mega Zenigata 15 - 50W

LPF8050-ZHC

Sharp LED Pin Fin cooler
ø80mm - h50mm - Rth 2.34°C/W
Cooling performance 2,000 - 4,000 lm



Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>		INTERMO 3000 lm, 4000 lm
	<input checked="" type="checkbox"/>	Tiger Zenigata 25W
	<input checked="" type="checkbox"/>	Mega Zenigata 15 - 50W

LPF8668-ZHC

Sharp LED Pin Fin cooler
ø86mm - h68mm - Rth 1.46°C/W
Cooling performance 3,300 - 6,500 lm



Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>		INTERMO 3000 lm, 4000 lm, 5000 lm
	<input checked="" type="checkbox"/>	Tiger Zenigata 25W
	<input checked="" type="checkbox"/>	Mega Zenigata 15 - 80W

LPF11180-ZHE

Sharp LED Pin Fin cooler
ø111mm - h80mm - Rth 1.07°C/W
Cooling performance 4,800 - 9,600 lm



Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>		INTERMO 3000 lm, 4000 lm, 5000 lm
	<input checked="" type="checkbox"/>	Tiger Zenigata 25W
	<input checked="" type="checkbox"/>	Mega Zenigata 15 - 80W

CoolStar® White 4740

Sharp Designer LED Star cooler
ø47mm - h40mm - Rth 5°C/W
Cooling performance 1,000 - 2,000 lm



Direct mount	Zhaga holder	Sharp LED COB
	<input checked="" type="checkbox"/>	Mini Zenigata 4 - 15W



CoolStar® White 4760

Sharp DesignerLED Star cooler
 ø47mm - h60mm - Rth 4.17°C/W
 Cooling performance 1,200 - 2,400 lm

Direct mount	Zhaga holder	Sharp LED COB
	<input checked="" type="checkbox"/>	Mini Zenigata 4 - 24W
	<input checked="" type="checkbox"/>	Mega Zenigata 15 - 25W



CoolStar® White 6730

Sharp Designer LED Star cooler
 ø67mm - h30mm - Rth 3.13°C/W
 Cooling performance 1,600 - 3,100 lm

Direct mount	Zhaga holder	Sharp LED COB
	<input checked="" type="checkbox"/>	Mega Zenigata 15 - 25W



CoolStar® White 6760

Sharp Designer LED Star cooler
 ø67mm - h60mm - Rth 2.27°C/W
 Cooling performance 2,100 - 4,200 lm

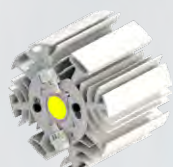
Direct mount	Zhaga holder	Sharp LED COB
	<input checked="" type="checkbox"/>	Mega Zenigata 15 - 40W



CoolStar® White 8630

Sharp Designer LED Star cooler
 ø86mm - h30mm - Rth 2.08°C/W
 Cooling performance 2,300 - 4,600 lm

Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>		INTERMO 3000 lm, 4000 lm
	<input checked="" type="checkbox"/>	Mega Zenigata 15 - 50W



CoolStar® White 8660

Sharp Designer LED Star cooler
 ø86mm - h60mm - Rth 1.56°C/W
 Cooling performance 3,100 - 6,100 lm

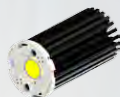
Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>		INTERMO 3000 lm
	<input checked="" type="checkbox"/>	Mega Zenigata 15 - 50W



ModuLED Pico 4750

Sharp Modular LED Star cooler
 ø47mm - h50mm - Rth 5.3°C/W
 Cooling performance 900 - 1,800 lm

Direct mount	Zhaga holder	Sharp LED COB
	<input checked="" type="checkbox"/>	Mega Zenigata 15 - 25W
	<input checked="" type="checkbox"/>	Mini Zenigata 4 - 24W



ModuLED Pico 4780

Sharp Modular LED Star cooler
 ø47mm - h80mm - Rth 4.2°C/W
 Cooling performance 1,200 - 2,300 lm

Direct mount	Zhaga holder	Sharp LED COB
	<input checked="" type="checkbox"/>	Mega Zenigata 15 - 25W
	<input checked="" type="checkbox"/>	Mini Zenigata 4 - 24W



ModuLED Nano 7050

Sharp Modular LED Star cooler
 ø70mm - h50mm - Rth 2.2°C/W
 Cooling performance 2,200 - 4,300 lm

Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>		INTERMO 3000 lm, 4000 lm
	<input checked="" type="checkbox"/>	Mini Zenigata 4 - 24W
	<input checked="" type="checkbox"/>	Tiger Zenigata 25W
	<input checked="" type="checkbox"/>	Mega Zenigata 15 - 50W



ModuLED Nano 7080

Sharp Modular LED Star cooler
ø70mm - h80mm - Rth 1.8°C/W
Cooling performance 2,700 - 5,300 lm

Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>		INTERMO 3000 lm, 4000 lm
	<input checked="" type="checkbox"/>	Mini Zenigata 4 - 24W
	<input checked="" type="checkbox"/>	Tiger Zenigata 25W
	<input checked="" type="checkbox"/>	Mega Zenigata 15 - 50W



ModuLED Micro 8630

Sharp Modular LED Star cooler
ø86mm - h30mm - Rth 1.8°C/W
Cooling performance 2,700 - 5,300 lm

Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>		INTERMO 3000 lm, 4000 lm
	<input checked="" type="checkbox"/>	Mini Zenigata 4 - 24W
	<input checked="" type="checkbox"/>	Tiger Zenigata 25W
	<input checked="" type="checkbox"/>	Mega Zenigata 15 - 50W



ModuLED Micro 8650

Sharp Modular LED Star cooler
ø86mm - h50mm - Rth 1.5°C/W
Cooling performance 3,200 - 6,400 lm

Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>		INTERMO 3000 lm, 4000 lm, 5000 lm
	<input checked="" type="checkbox"/>	Mini Zenigata 10 - 24W
	<input checked="" type="checkbox"/>	Tiger Zenigata 25W
	<input checked="" type="checkbox"/>	Mega Zenigata 15 - 80W



ModuLED Micro 8680

Sharp Modular LED Star cooler
ø86mm - h80mm - Rth 1.2°C/W
Cooling performance 4,000 - 8,000 lm

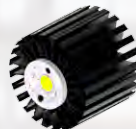
Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>		INTERMO, 3000 lm, 4000 lm, 5000 lm
	<input checked="" type="checkbox"/>	Mini Zenigata 10 - 24W
	<input checked="" type="checkbox"/>	Tiger Zenigata 25W
	<input checked="" type="checkbox"/>	Mega Zenigata 15 - 80W



ModuLED Xtra 9950

Sharp Modular LED Star cooler
ø99mm - h50mm - Rth 1.34°C/W
Cooling performance 3,600 - 7,200 lm

Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>		INTERMO 3000 lm, 4000 lm, 5000 lm
	<input checked="" type="checkbox"/>	Mini Zenigata 15 - 24W
	<input checked="" type="checkbox"/>	Tiger Zenigata 25W
	<input checked="" type="checkbox"/>	Mega Zenigata 15 - 80W



ModuLED Xtra 9980

Sharp Modular LED Star cooler
ø99mm - h80mm - Rth 1.02°C/W
Cooling performance 4,700 - 9,400 lm

Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>		INTERMO 3000 lm, 4000 lm, 5000 lm
	<input checked="" type="checkbox"/>	Mini Zenigata 15 - 24W
	<input checked="" type="checkbox"/>	Tiger Zenigata 25W
	<input checked="" type="checkbox"/>	Mega Zenigata 15 - 80W



ModuLED Mega 13420

Sharp Modular LED Star cooler
ø134mm - h20mm - Rth 1.32°C/W
Cooling performance 3,700 - 7,300 lm

Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>		INTERMO 3000 lm, 4000 lm, 5000 lm
	<input checked="" type="checkbox"/>	Tiger Zenigata 25W
	<input checked="" type="checkbox"/>	Mega Zenigata 25 - 80W



ModuLED Mega 13450-HBG

Sharp High Bay LED cooler with direct mounting holes for Mean Well HBG series driver
ø134mm - h50mm - Rth 0.88°C/W
Cooling performance 5,500 - 11,000 lm

Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>		INTERMO 3000 lm, 4000 lm, 5000 lm
	<input checked="" type="checkbox"/>	Tiger Zenigata 25W
	<input checked="" type="checkbox"/>	Mega Zenigata 25 - 80W

ModuLED Mega 134100-HBG



Sharp High Bay LED cooler with direct mounting holes for Mean Well HBG series driver
ø134mm - h100mm - Rth 0.67°C/W
Cooling performance 7,200 - 14,300 lm

Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	INTERMO 3000 lm, 4000 lm, 5000 lm Mega Zenigata 25 - 80W

ModuLED Giga 15220



Sharp Modular LED Star cooler
ø152mm - h20mm - Rth 1.13°C/W
Cooling performance 4,300 - 8,500 lm

Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	INTERMO 3000 lm, 4000 lm, 5000 lm Tiger Zenigata 25W Mega Zenigata 25 - 80W

ModuLED Giga 15250



Sharp Modular LED Star cooler
ø152mm - h50mm - Rth 0.7°C/W
Cooling performance 6,800 - 13,500 lm

Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	INTERMO 3000 lm, 4000 lm, 5000 lm Tiger Zenigata 25W Mega Zenigata 25 - 80W

ModuLED Giga 152100-HBG



Sharp High Bay LED cooler with direct mounting holes for Mean Well HBG series driver
ø152mm - h100mm - Rth 0.52°C/W
Cooling performance 9,000 - 18,000 lm

Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	INTERMO 5000 lm Mega Zenigata 50 - 80W

ModuLED Giga 152150-HBG



Sharp High Bay LED cooler with direct mounting holes for Mean Well HBG series driver
ø152mm - h150mm - Rth 0.46°C/W
Cooling performance 10,500 - 21,000 lm

Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mega Zenigata 50 - 80W

IceLED Xtra 550



Sharp Modular Active LED cooler
ø99mm - h55mm - Rth 0.46°C/W
Cooling performance 10,500 - 21,000 lm

Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	INTERMO 3000 lm, 4000 lm, 5000 lm Tiger Zenigata 25W Mega Zenigata 25 - 80W

IceLED Xtra Ultra



Sharp Modular Active LED cooler
ø99mm - h75mm - Rth 0.25°C/W
Cooling performance 19,000 - 38,000 lm

Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	INTERMO 5000 lm Mega Zenigata 50 - 80W

IceLED Ultra VS




Sharp Modular Active LED cooler
ø99mm - h75mm - Rth 0.26°C/W
Cooling performance 14,500 - 29,000 lm

Direct mount	Zhaga holder	Sharp LED COB
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	INTERMO 5000 lm Mega Zenigata 50 - 80W



Your local distributor:

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