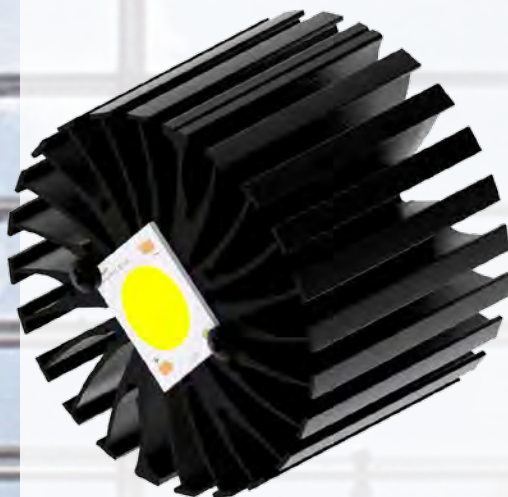


Your local distributor:

OUR PROCESS STARTS WITH LISTENING 



No.818, Dashun 2nd Rd., Sanmin Dist.
Tel: +886-7-3815892
led@mechatronix-asia.com

Kaohsiung City 80787 Taiwan
Fax: +886-7-3839293
www.led-heatsink.com



LUMILEDS LED COOLING

Gen4 LUXEON series 1203, 1204, 1205, 1208,
1211, 1216, 1812, 1321, 1825 LED COB
LUXEON SunPlus 1211, 1825, XR-M, XR-TX

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



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.

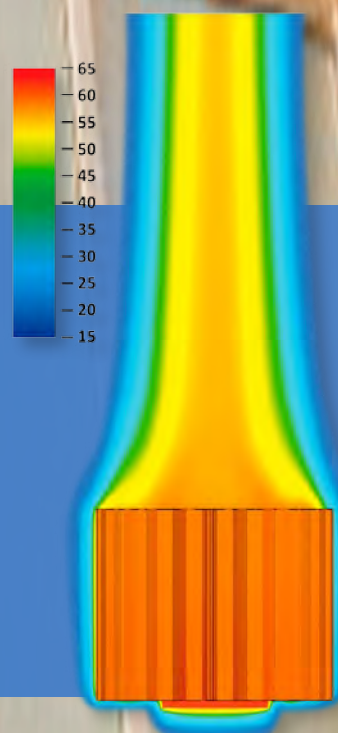
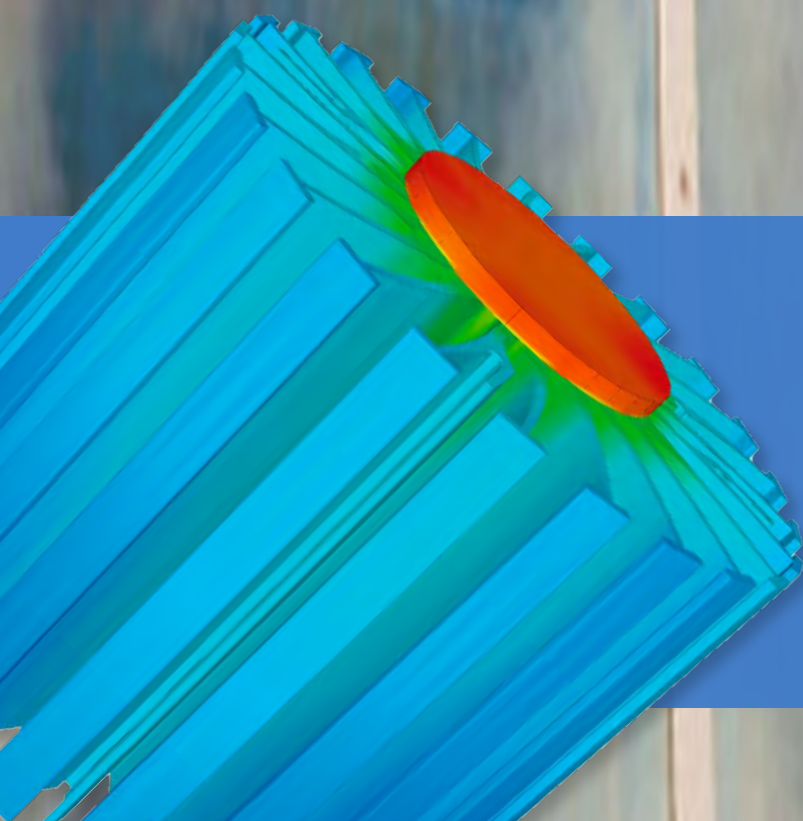
After initial reservations concerning active LED coolers, specialists have found that there really is no better option, when closing in on the 8000 lumen mark. Admittedly, the fan's lifespan becomes somewhat of a focal point in the application of an active LED cooler, but given that the lifespan of the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

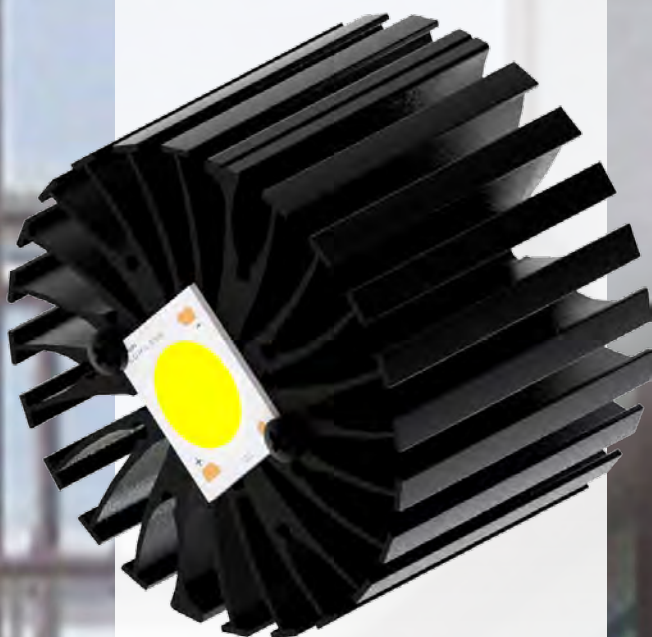
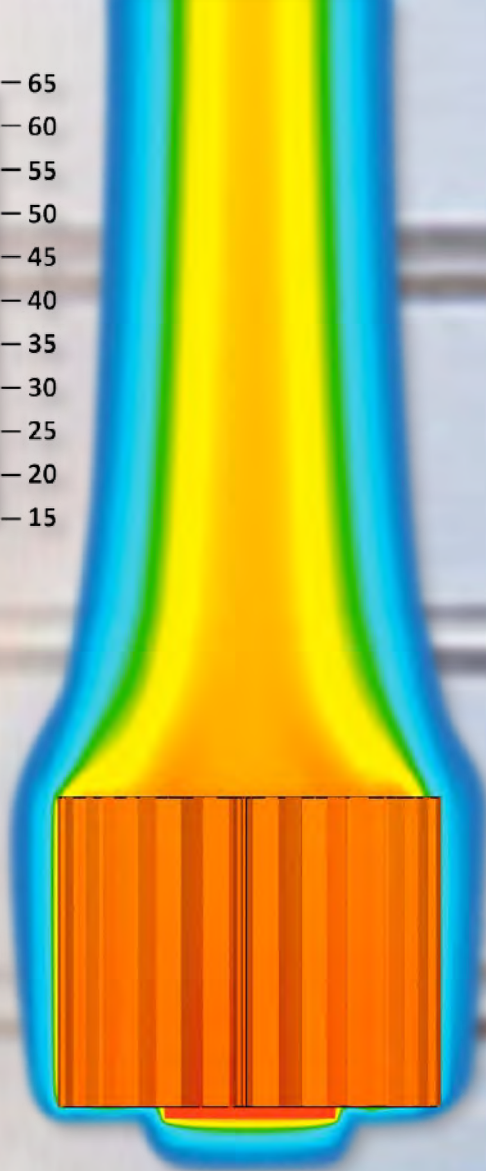
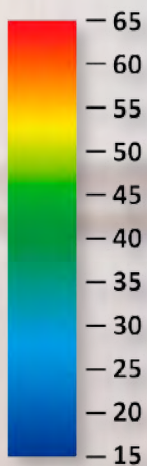
MechaTronix' ground breaking ModuLED coolers and its actively cooled sibling IceLED have garnered a lot of attention and positive reviews in the LED market. ModuLED and IceLED are just precursors of a complete range of dedicated and highly effective LED coolers for professional deployment in spotlights, 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 Lumileds 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 Lumileds Luxeon 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





 Zhaga

ModuLED
IceLED

LUMILEDS LED COOLING

Gen4 LUXEON series 1203, 1204, 1205, 1208, 1211, 1216, 1812, 1321, 1825 LED COB
LUXEON SunPlus 1211, 1825, XR-M, XR-TX

LPF4768-ZHP



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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
✓	✓	G4 1202s
	✓	G4 1202, 1203, 1204
	✓	High Density 1202

LPF6050-ZHC



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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
✓	✓	G4 1202s
	✓	G4 1202, 1203
	✓	G4 1204
	✓	High Density 1202

LPF6768-ZHP



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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
✓	✓	G4 1202s
✓	✓	G4 1202, 1203, 1204, 1205, 1208
	✓	High Density 1202
	✓	High Density 1204, 1205

LPF8050-ZHC



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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
✓	✓	G4 1202s, 1202, 1203
	✓	G4 1204, 1205, 1208
	✓	High Density 1202, 1204, 1205

LPF8668-ZHC



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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
✓	✓	G4 1204, 1205, 1208, 1211
	✓	High Density 1204, 1205

LPF11180-ZHE



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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
	✓	G4 1208, 1211, 1216, 1812
	✓	High Density 1204, 1205

CoolStar® White 4740



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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
✓	✓	G4 1202s
	✓	G4 1202, 1203
	✓	High Density 1202

CoolStar® White 4760



Lumileds Designer LED Star cooler
ø47mm - h60mm - Rth 4.17°C/W
Cooling performance 1,200 - 2,400 lm

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
✓	✓	G4 1202s, 1204
	✓	G4 1202, 1203
	✓	High Density 1202

CoolStar® White 6730



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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
	✓	G4 1202s, 1202, 1203, 1204, 1205
	✓	High Density 1202

CoolStar® White 6760



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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
	✓	G4 1202s, 1202, 1203,
	✓	G4 1204, 1205, 1208
	✓	High Density 1202, 1204

LUMILEDS LED COOLING

Gen4 LUXEON series 1203, 1204, 1205, 1208,
1211, 1216, 1812, 1321, 1825 LED COB
LUXEON SunPlus 1211, 1825, XR-M, XR-TX



CoolStar® White 8630

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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
	✓	G4 1202s, 1202, 1203
	✓	G4 1204, 1205, 1208
	✓	High Density 1202, 1204, 1205



CoolStar® White 8660

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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
	✓	G4 1204, 1205, 1208, 1211
	✓	High Density 1202, 1204, 1205



ModuLED Pico 4750

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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
✓	✓	G4 1202s
	✓	G4 1202, 1203
	✓	High Density 1202



ModuLED Pico 4780

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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
✓	✓	G4 1202s
	✓	G4 1202, 1203, 1204
	✓	High Density 1202



ModuLED Nano 7050

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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
✓	✓	G4 1202s
	✓	G4 1202, 1203, 1204, 1205, 1208
	✓	High Density 1202
✓	✓	High Density 1204



ModuLED Nano 7080

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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
✓	✓	G4 1203, 1204, 1205, 1208
	✓	High Density 1202
✓	✓	High Density 1204, 1205



ModuLED Micro 8630

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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
✓	✓	G4 1203, 1204, 1205, 1208
	✓	High Density 1202
✓	✓	High Density 1204, 1205



ModuLED Micro 8650

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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
✓	✓	G4 1204, 1205, 1208
	✓	G4 1211
✓	✓	High Density 1204, 1205



ModuLED Micro 8680

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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
✓	✓	G4 1205, 1208
	✓	G4 1211, 1216, 1812
✓	✓	High Density 1204, 1205



ModuLED Xtra 9950

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

Direct mount	LED holder	Lumileds Luxeon LED COB
✓	✓	G4 1205, 1208
	✓	G4 1211
✓	✓	High Density 1204, 1205

LUMILEDS LED COOLING

Gen4 LUXEON series 1203, 1204, 1205, 1208,
1211, 1216, 1812, 1321, 1825 LED COB
LUXEON SunPlus 1211, 1825, XR-M, XR-TX

ModuLED Xtra 9980



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

Direct mount	LED holder	Lumileds Luxeon LED COB
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	G4 1208
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	G4 1211, 1216, 1812
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	High Density 1204, 1205

ModuLED Mega 13420



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

Direct mount	LED holder	Lumileds Luxeon LED COB
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	G4 1205, 1208
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	G4 1211, 1216, 1812
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	High Density 1204, 1205

ModuLED Mega 13450-HBG



Lumileds 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	LED holder	Lumileds Luxeon LED COB
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	G4 1208
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	G4 1211, 1216, 1812, 1321
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	High Density 1204, 1205

ModuLED Mega 134100-HBG



Lumileds 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	Lumileds Luxeon LED COB
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	G4 1211, 1216, 1812
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	G4 1321

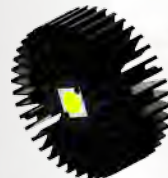
ModuLED Giga 15220



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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	G4 1205, 1208
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	G4 1211, 1216, 1812
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	High Density 1204, 1205

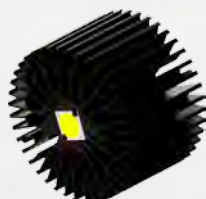
ModuLED Giga 15250



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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	G4 1211, 1216, 1812
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	G4 1321

ModuLED Giga 152100-HBG



Lumileds 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	Lumileds Luxeon LED COB
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	G4 1216, 1812
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	G4 1321, 1825

ModuLED Giga 152150-HBG



Lumileds 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	Lumileds Luxeon LED COB
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	G4 1812
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	G4 1321, 1825

LUMILEDS LED COOLING

Gen4 LUXEON series 1203, 1204, 1205, 1208,
1211, 1216, 1812, 1321, 1825 LED COB
LUXEON SunPlus 1211, 1825, XR-M, XR-TX



CoolBay® Giga-A

Lumileds High Bay LED cooler with CoolTube® heat tube and direct mounting holes for Mean Well HBG series driver
ø152mm - h200mm - Rth 0.34°C/W
Cooling performance 14,500 - 29,000 lm

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	G4 1825



CoolBlock® SQ-01 2x2MX

Square Pin Fin LED Cooler for the Lumileds Luxeon XR-M 2x2MX LED module which consist of 4 Luxeon M LEDs. Accommodating Ledil Strada 2x2MX lenses for IP67 waterproof with just a few screws

W96mm - L96mm - H61.5mm
Thermal resistance Rth 1.45°C/W
Cooling performance 3,300 - 6,500 lm
Black electro-coating



CoolBlock® LX-01 2x6

Advanced high power rectangle Pin Fin LED Cooler for the Lumileds Luxeon XR-TX 2x6 LED module which consist of 12 Luxeon TX LEDs. Accommodating Ledil Strada & HB 2x6 lenses for IP67 waterproof with just a few screws

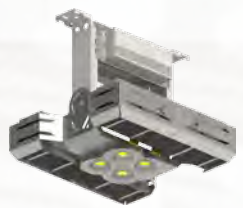
W80mm - L192mm - H45mm
Thermal resistance Rth 1.09°C/W
Cooling performance 4,400 - 8,700 lm
Black electro-coating



CoolFin® Giga

Advanced Ultra High power LED cooler with stackfin and heat pipe structure For 28x28 COB Luxeon 1211 - 1216 - 1812, SunPlus 1211 and 38x38 COB Luxeon 1321 - 1825, SunPlus 1825 by use of LED holder. Accommodating multiple brands LED driver & accessories.

W468mm - L446mm - H226mm
Thermal resistance Rth 0.1°C/W
Cooling performance 50,000 - 100,000 lm



CoolFin® Giga Tilt

Advanced Ultra High power LED cooler with stackfin and heat pipe structure For 28x28 COB Luxeon 1211 - 1216 - 1812, SunPlus 1211 and 38x38 COB Luxeon 1321 - 1825, SunPlus 1825 by use of LED holder. Accommodating multiple brands LED driver & accessories.

W468mm - L446mm - H394mm
Thermal resistance Rth 0.1°C/W
Cooling performance 50,000 - 100,000 lm



CoolCube® Giga

Advanced Ultra High power LED cooler with stackfin and heat pipe structure For 28x28 COB Luxeon 1211 - 1216 - 1812, SunPlus 1211 and 38x38 COB Luxeon 1321 - 1825, SunPlus 1825 by use of LED holder. Accommodating multiple brands LED driver & accessories.

W200mm - L575mm - H417mm
Thermal resistance Rth 0.1°C/W
Cooling performance 50,000 - 100,000 lm



IceLED Xtra 550

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

Direct mount	Zhaga holder	Lumileds Luxeon LED COB
	<input checked="" type="checkbox"/>	G4 1812