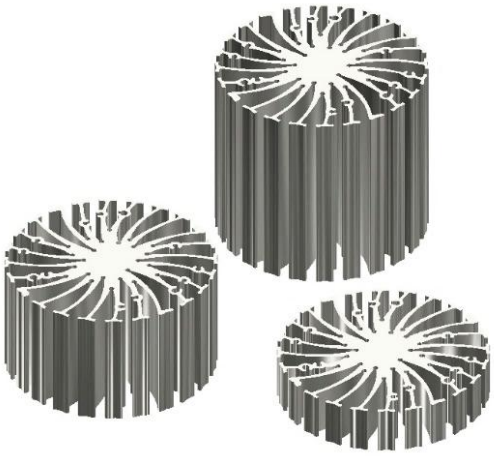
SpirLED Heat Sink 2490

JLT-MH90140

Aluminum heat sink designed for direct mounting of LED modules to the LED cooler, providing thermal performance matched to high-lumen packages. Features a modular design with predefined mounting holes for a wide range of COB and Zhaga Book 3 spotlight modules.

Applications:

Designed for **Round LED Modules**, ideal for Retail & Hospitality, Malls & Food, Architectural & Museum, Office & Education, Station & Airport, and Healthcare environments.



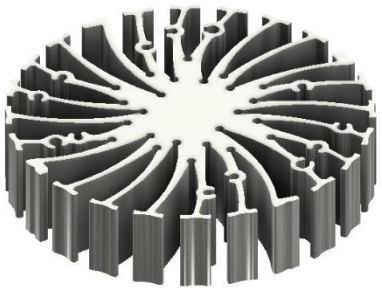
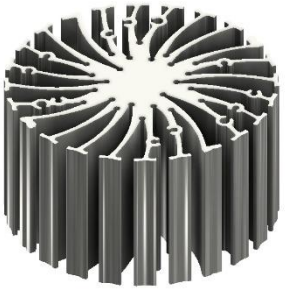
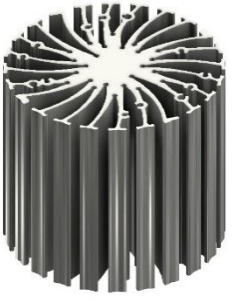
Features

Material & Compatibility

- **Material:** Extruded from highly conductive aluminum.
- **Finishes:** Available in non-anodized, clear anodized, and black anodized.
- **LED Compatibility:** Supports Zhaga Book 3 spotlight modules and major LED brands including Edison, Xicato, Bridgelux, Osram, Citizen, Lumileds, Cree, Tridonic, Vossloh-Schwabe, Seoul, LG, Lustrous, Prolight, Samsung, SHARP, Luminus, Philips.

Mechanical & Thermal Specs

- **Mechanical Compatibility:** Direct mounting of LED modules to the LED cooler.
- **Thermal Performance:** Thermal resistance options of 2.08°C/W, 1.45°C/W, and 1.2°C/W.
- **Modular Design:** Mounting holes for a wide range of COB and LED modules.
- **Size Options:** Diameter 90 mm; standard heights 20 mm, 50 mm, 80 mm; other heights on request.

019014002001	029014005002	039014008003
20mm	50mm	80mm
		

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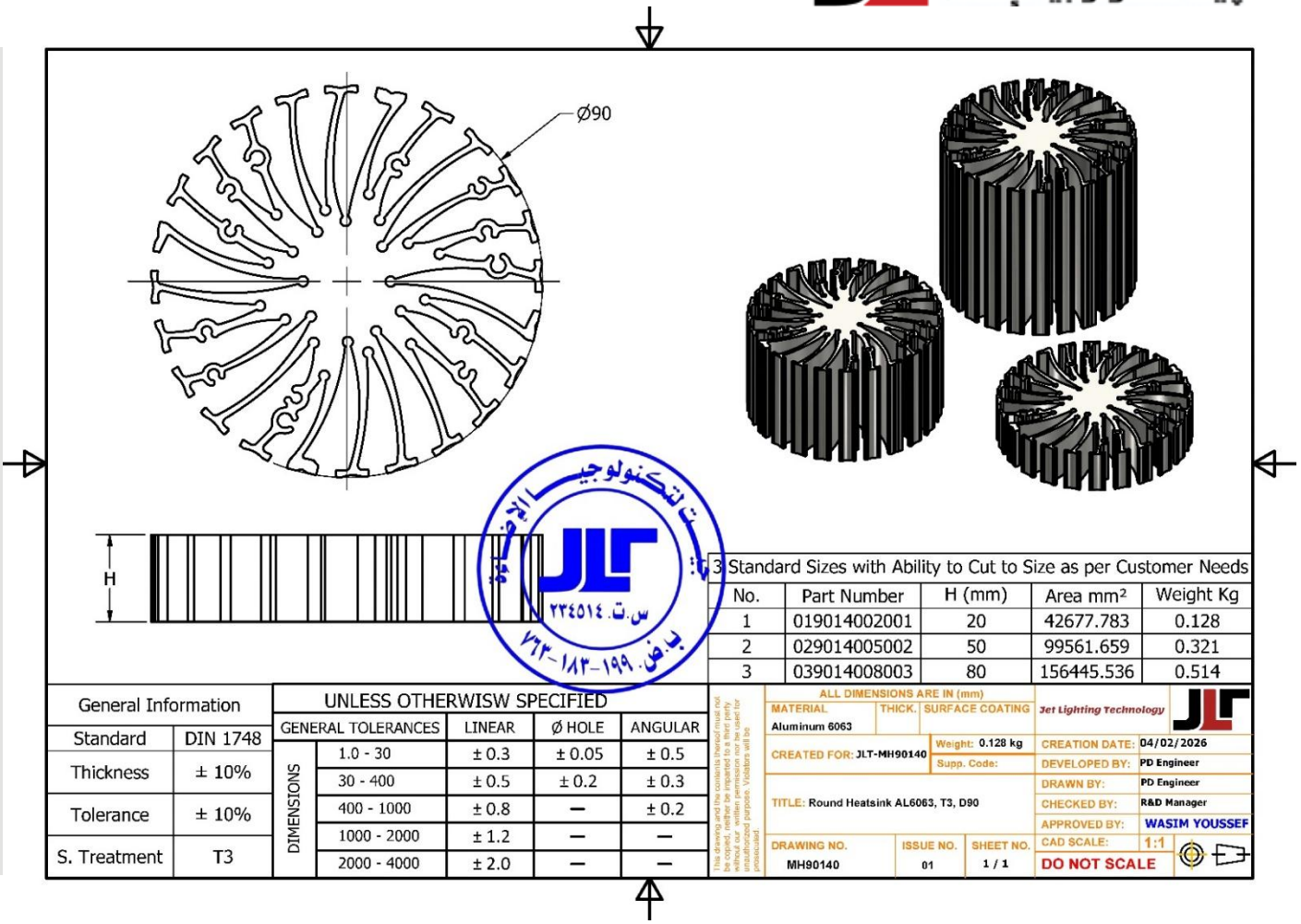

Item Number	019014002001	029014005002	039014008003
Height	20mm	50mm,	80mm,
Dissipated Power (Ths-am50°C)	20W	30W	40W
Thermal Resistance Rth (°C/W)	2.38 °C/W	1.72 °C/W	1.47°C/W
Cooling Surface Area (mm^2)	42677 mm^2	99561 mm^2	156445 mm^2
Net Weight (g)	128 g	321g	514g
Modular Types	COB	COB	COB

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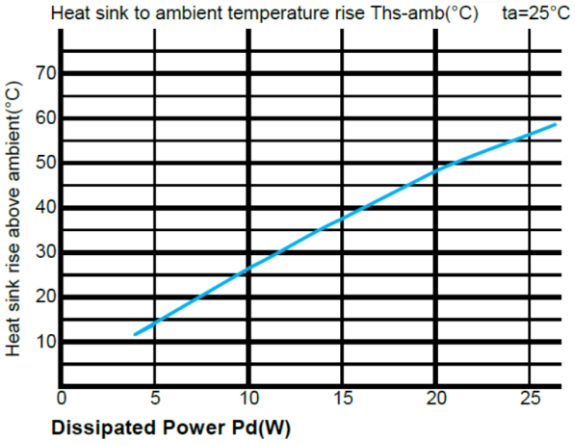
Thermal Data

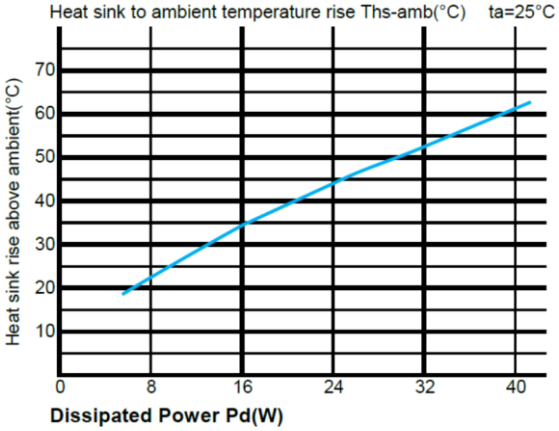
I- 019014002001, Height 20mm

Pd=Pe × (1-ηL)		Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise Ths-amb (°C)
Dissipated Power Pd (W)	5	2.8	14
	10	2.7	27
	15	2.53	38
	20	2.1	48
	25	2.28	57



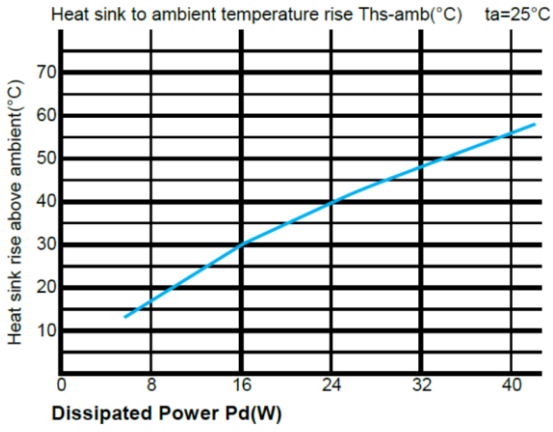
II- 029014005002, Height 50mm

Pd=Pe × (1-ηL)		Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise Ths-amb (°C)
Dissipated Power Pd (W)	8	2.88	23
	16	2.19	35
	24	1.88	45
	32	1.66	53
	40	1.53	61



III- 039014008003, Height 80mm

Pd=Pe × (1-ηL)		Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise Ths-amb (°C)
Dissipated Power Pd (W)	8	2.25	18
	16	1.88	30
	24	1.67	40
	32	1.50	48
	40	1.40	56



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