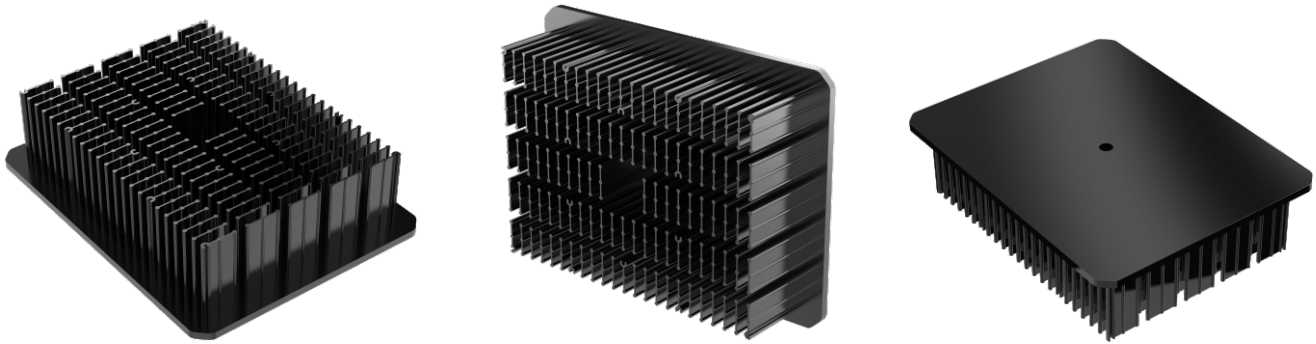


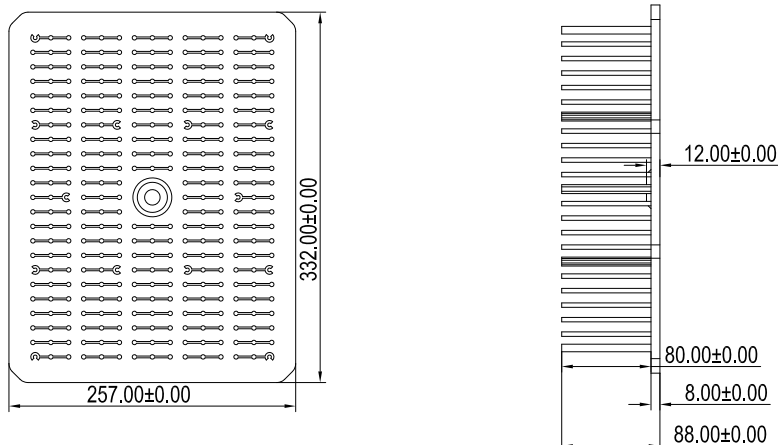
400W SMD High Bay Light Cold Forged Heatsink



Features :

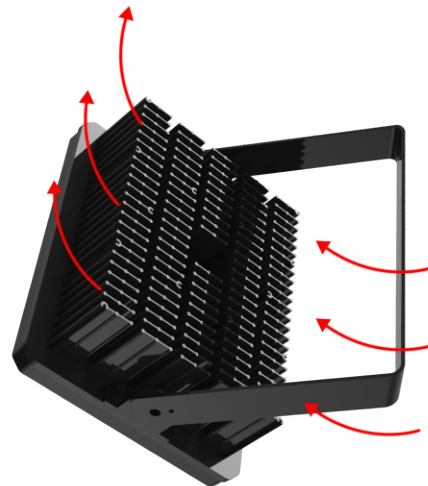
- **Fish-Scale Fin Design** - Bio-inspired fish-scale and shark-fin 3D structure increases surface area, generates micro-vortices, and significantly enhances convective heat transfer.
- **Flexible Installation** - Maintains high efficiency even at non-vertical angles, giving greater flexibility in lighting fixture design.
- **Superior Thermal Conductivity** - AL1070 cold-forged heatsinks ($\geq 99.7\%$ pure aluminum, up to 240 W/m·K) outperform extrusion and die-casting, delivering outstanding heat dissipation for high-power LED lighting.
- **Longer LED Lifespan** - Faster PCB temperature stabilization (20–25 minutes) reduces heat buildup, prevents light decay, and prolong product lifetime.
- **Compact & Lightweight** - High thermal efficiency enables smaller, lighter designs that lower production and shipping costs.
- **Advanced Surface Protection** - Electrophoretic (e-coating) finish ensures exceptional corrosion resistance in harsh environments, superior to plating, powder coating, or anodizing.
- **Versatile Applications** - Perfect for grow lights, high/low bay lights, flood lights, and other LED systems.

400W Heat Sink Dimensions:

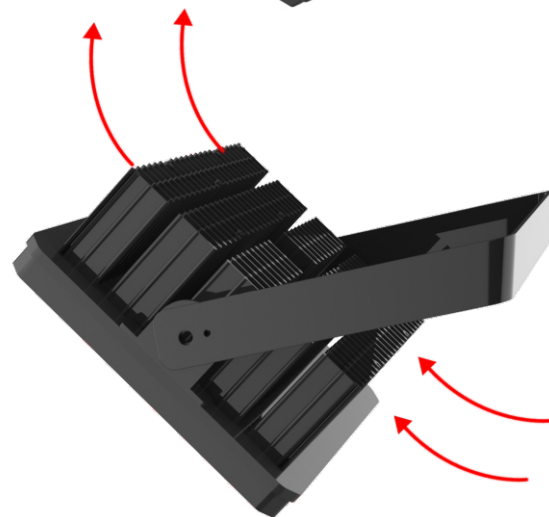
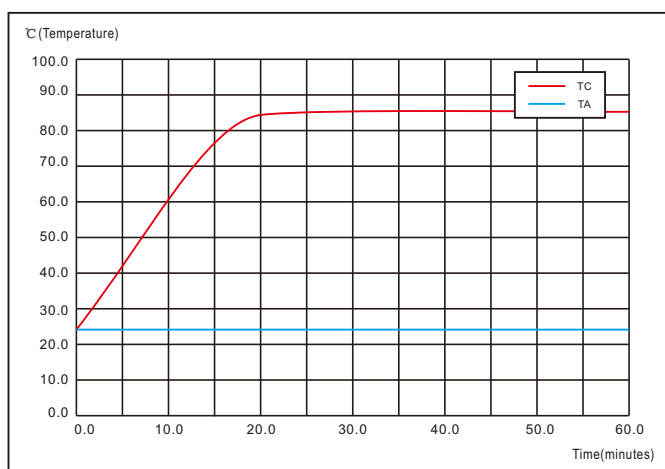


(Unit: mm)

“ With its innovative fish-scale fin design for superior cooling and unique tilt-mounting capability, this heatsink delivers unmatched flexibility, reliability, and design freedom beyond traditional vertical setups.”



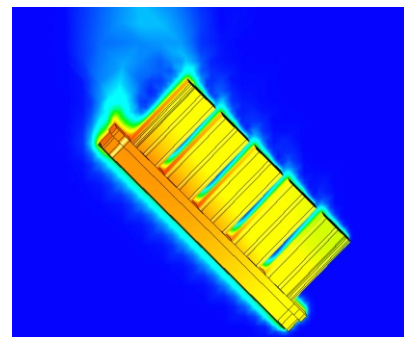
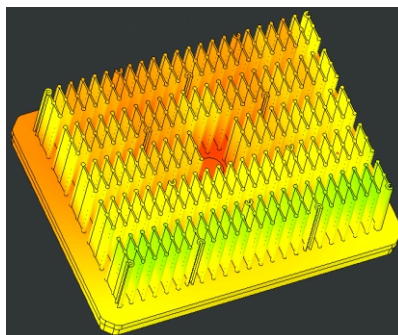
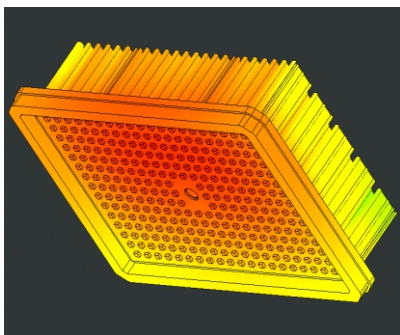
Temperature Rise Curve:



Heat Dissipation Simulation :

Simulation under SMD Chip with Rotation 45° (with sealed glass cover and 25°C ambient temperature)

Power = 400W $T_a = 25$ $T_{pcb} = 85.5^\circ\text{C}$ $\Delta T = 60.5^\circ\text{C}$ $R_{pcb-a} = 0.151^\circ\text{C/W}$



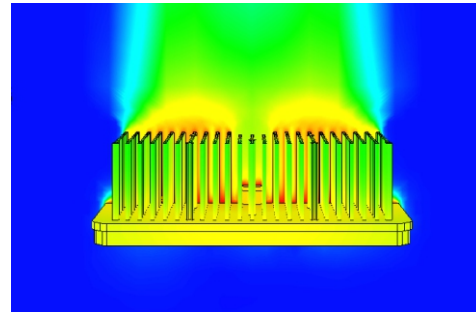
Model Number	LED Power (W)	Ambient Temperature T_a ($^\circ\text{C}$)	Heat Sink Temperature T_{pcb} ($^\circ\text{C}$)	Temperature Rise ΔT ($^\circ\text{C}$)	Thermal resistance R_{pcb-a} ($^\circ\text{C/W}$)	Angle of LED Simulator
DG332-400-A01	400	25	85.5	60.5	0.151	90°

Product Information :

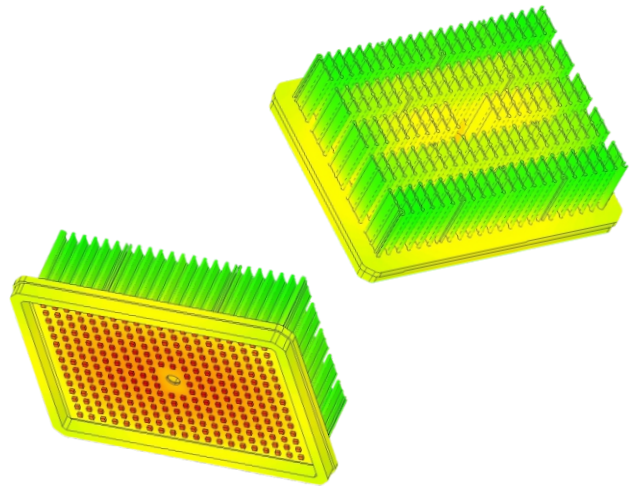
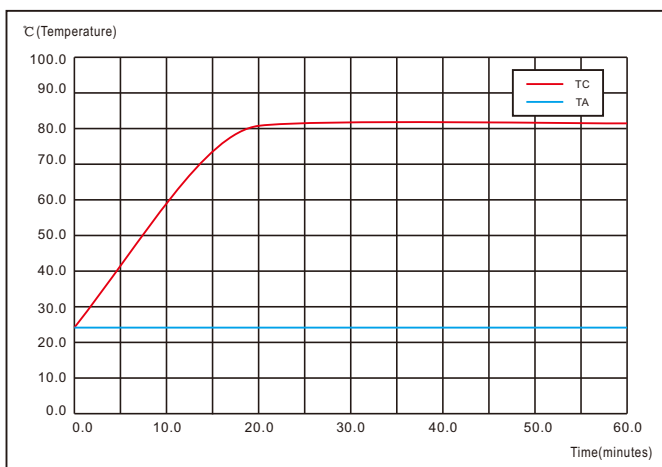
Model Number: DG332-400-A01
Dimension (mm): 332*257*88
Cooling Surface(mm²): 913,966.6
Cooling Performance (lm): 36,000~48,000
Thermal Resistance(°C/W): 0.12~0.22
Dissipated Power (W): 300W~400W
Weight: 3.8 kgs/8.38 lbs
Material: AL1070 Aluminum
Surface treatment options: Anodized Black or clear;
Electrophoresis Black

Heat Dissipation Simulation :

Simulation under SMD Chip with Sealed Glass Cover
Power = 400W Ta=25 Tpcb=81°C $\Delta T=56^{\circ}\text{C}$ Rpcb-a=0.2°C/W



Temperature Rise Curve:



Model Number	LED Power (W)	Ambient Temperature Ta (°C)	Heat Sink Temperature Tpcb (°C)	Temperature Rise ΔT (°C)	Thermal resistance Rpcb-a (°C/W)	Angle of LED Simulator
DG332-400-A01	400	25	81	56	0.20	90°

Applications:

A great variety of applications in Grow Light, High/Low Bay Light, Flood Light and more.

