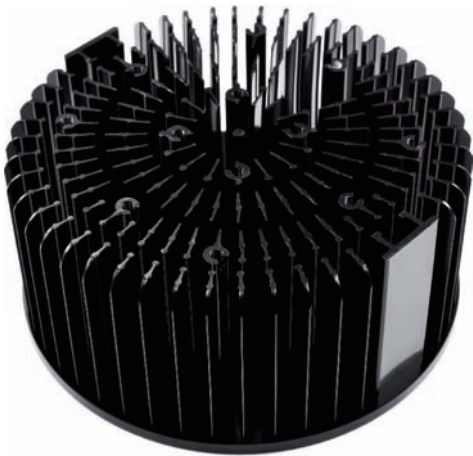




## 100W SMD LED Lighting Heat Sink



### Features :

- Best Cost/Performance Custom Thermal Solution for 100W SMD LED Lighting; Thermal Resistance 0.30~0.50°C/W
- Most Optimum Surface Area and Heat Sink Designs for Best Heat Dissipation and Budget Affordability
- Pure Aluminum AL1070 Made by Cold-Forging Techniques much better than Conventional Extrusion or Die-Casting Techniques; Superior Thermal Conductivity - 238W/(m\*K)
- Flexible Adaption with Multiple Choices of SMD LED Modules 3030 and etc
- Advanced Surface Treatment & Custom Color Options: Anodized Black or Clear; Electrophoresis Black
- Great Varieties of Applications: High Bay Light, Down Light, Flood Light, Street Light, Grow , Light, etc

### Product Information :

Model Number: DG180-100-001

Cooling Surface(mm<sup>2</sup>): 396661

Thermal Resistance(°C/W): 0.30~0.50

Weight: 1.1 kgs/2.4 lbs

Surface Treatment Options: Anodized Black or Clear; Electrophoresis Black

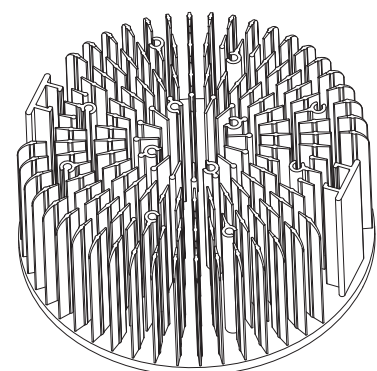
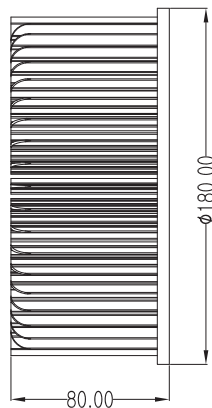
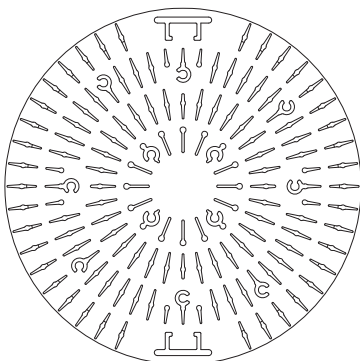
Dimension (mm):  $\phi$  180X80

Cooling Performance (lm): 9600~12000

Dissipated Power (W): 80~100

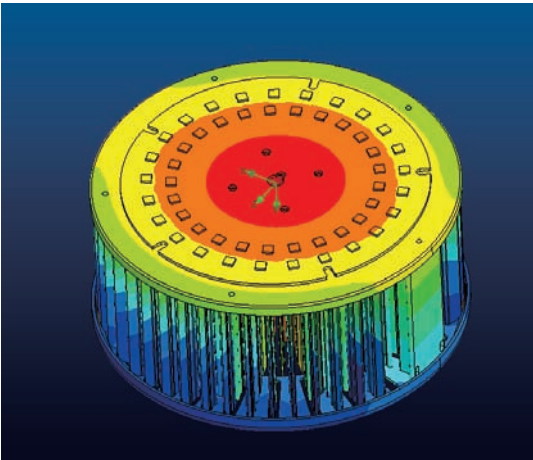
Material: AL1070

### 100W Heat Sink Dimensions:



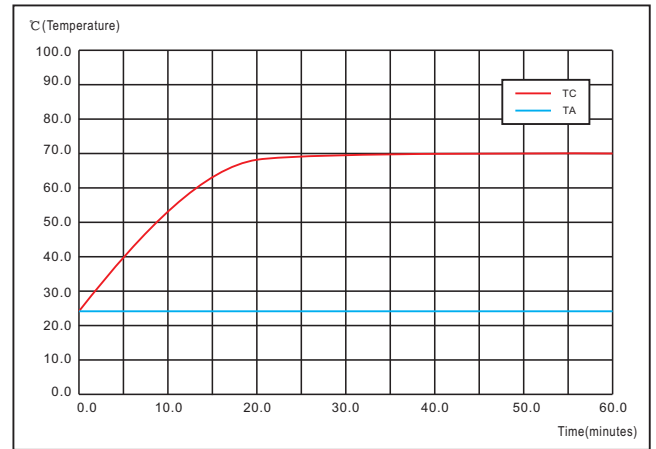
## Heat Dissipation Simulation :

Simulation under SMT Chip Model# 3030



Power =100W: Ta=25 Tc=70  $\Delta T=45$  Rca=0.45°C/W

## Temperature Rise Curve :



Model Number	LED Power (W)	Ambient Temperature Ta (°C)	Heat Sink Temperature Tc (°C)	Temperature Rise $\Delta T$ (°C)	Thermal resistance Rca (°C/W)	Angle of LED Simulator
DG180-100-001	100	25	70	45	0.45	90°

## Applications:

A great variety of applications in High Bay Light, Down Light, Flood Light, Street Light, Sports Light, and more.

