

40~50W COB LED Down Light Heat Sink Module (6") DG135-050-001



Features :

- Best Thermal Performance for 40~50W COB LED (Recessed) Down Light/Track Light Application
- Integral Whole Design: Heat Sink and LED Driver Power Cables Conduit Box
- Best Fit Most Popular COB LED Brands: Cree CXB3050 / Bridgelux V18 / Citizen CLU048 / Samsung LC040C; Thermal Resistance 1.0~1.5°C/W
- Cold-Forging Benefits: Lower Fin Height, Lighter Weight, and Down Size
- Better Thermal Conductive Aluminum AL1070 Material Than Extrusion AL6061 or Die-Casting ADC12
- Advanced Surface Treatment for Corrosion Protection
- Great Varieties of LED Lighting Applications

Product Information:

Model Number: DG135-050-001

Dimension (mm): Ø135.4x46

Cooling Surface(mm²): 138,816

Cooling Performance (lm): 4,800~6,000

Thermal Resistance(°C/W): 1.0~1.5

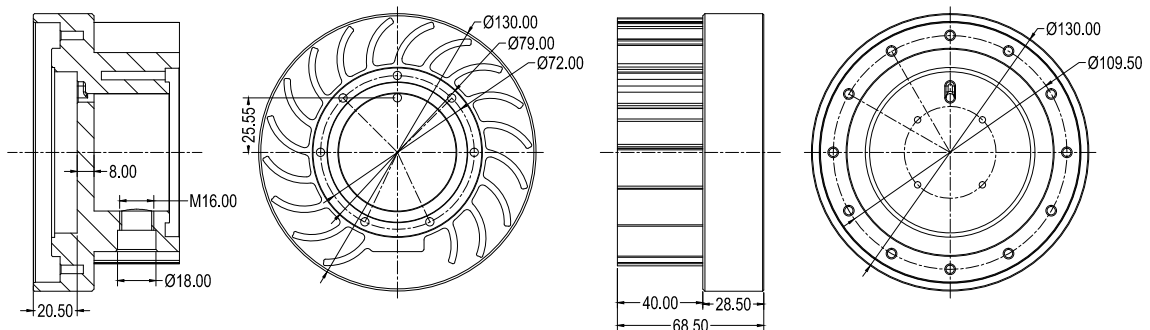
Dissipated Power (W): 40W~50W

Weight: 0.6 kgs/1.32 lbs

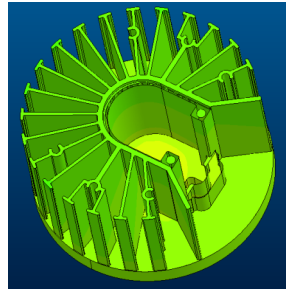
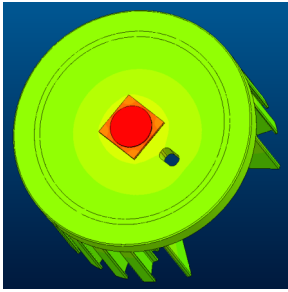
Material: AL1070 Aluminum

Surface treatment options: Anodized Black or clear; Electrophoresis Black

DG135-050-001 Dimensions:



Heat Dissipation Simulation:



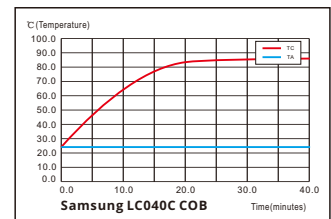
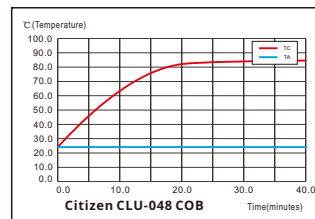
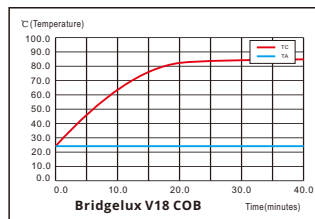
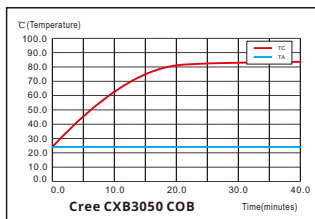
Applications:

A great variety of applications in Recessed Down Light, Track Light, Spot Light and more



Temperature Rise Curve:

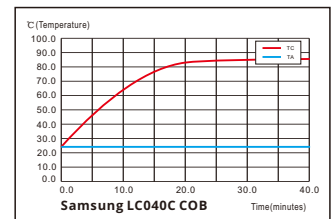
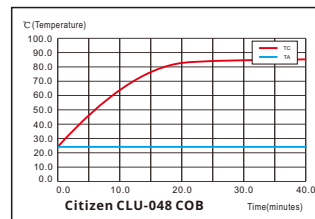
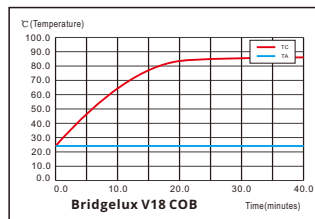
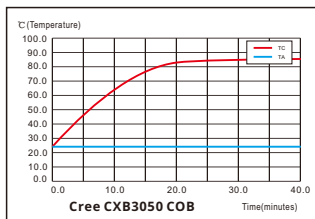
(Test Condition: With Glass Cover only)



COB	LED Power (W)	Ambient Temperature Ta (°C)	COB Case Temperature Tc (°C)	Temperature Rise ΔT (°C)	Thermal resistance Rc-a (°C/W)	Angle of LED Simulator
Cree CXB3050	50	25	82.5	57.5	1.15	90°
Bridgelux V18	50	25	84.6	59.6	1.19	90°
Citizen CLU-048	50	25	84.0	59.0	1.18	90°
Samsung LC040C	50	25	86.6	61.6	1.23	90°

Temperature Rise Curve:

(Test Condition: Wood Box + Heat Insulation Foam + Metal Enclosure Box + Glass Cover)



COB	LED Power (W)	Ambient Temperature Ta (°C)	COB Case Temperature Tc (°C)	Temperature Rise ΔT (°C)	Thermal resistance Rc-a (°C/W)	Angle of LED Simulator
Cree CXB3050	45	25	86.5	61.5	1.36	90°
Bridgelux V18	45	25	87.6	62.6	1.39	90°
Citizen CLU-048	45	25	86.3	61.3	1.36	90°
Samsung LC040C	45	25	88.5	63.5	1.41	90°