



40~50W COB LED Explosion-Proof Industrial Light Heat Sink Module (6") DG130-050-001

COB Heat Sink



Features :

- Best Thermal Performance for 40~50W COB LED High Bay Light/Explosion-Proof Light Application
- 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 Best Corrosion Protection for Hazardous Working Environment
- Great Varieties of LED Lighting Applications: Explosion-Proof Light, High Bay Light, etc.

Product Information:

Model Number: DG130-050-001

Dimension (mm): Ø130x68.5

Cooling Surface(mm²): 105,857

Cooling Performance (lm): 4,800~5,400

Thermal Resistance(°C/W): 1.0~1.5

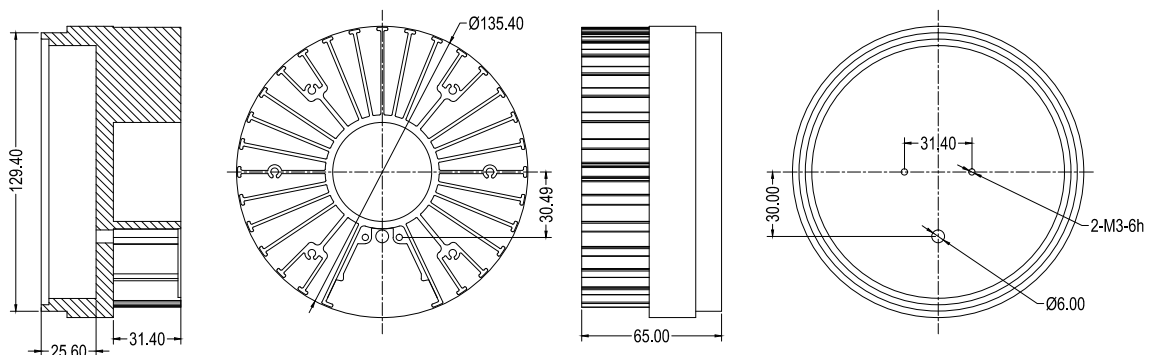
Dissipated Power (W): 40W~50W

Weight: 1.01 kgs/2.23 lbs

Material: AL1070 Aluminum

Surface treatment options: Anodized Black or clear; Electrophoresis Black

DG130-050-001 Dimensions:



Heat Dissipation Simulation:



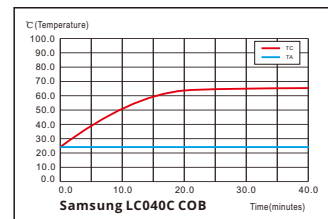
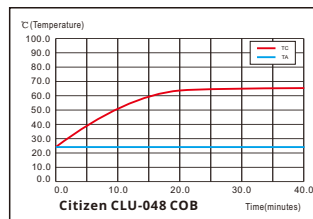
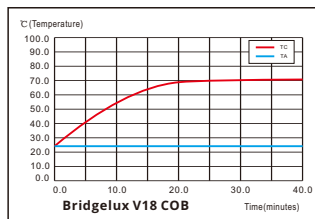
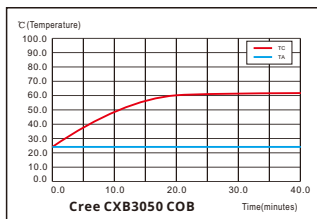
Applications:

A great variety of applications in Explosion-Proof Light, High Bay Light and more.



Temperature Rise Curve:

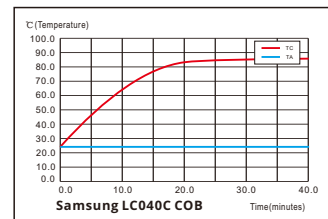
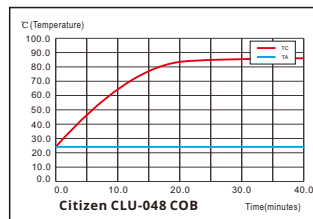
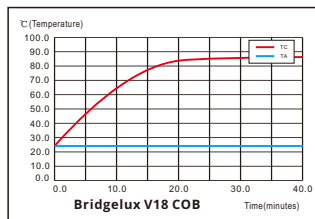
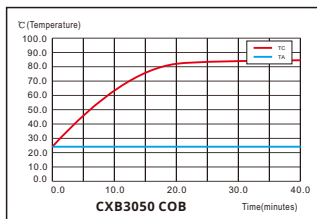
(Test Condition: With Glass Cover only)



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	83.6	58.6	1.17	90°
Bridgelux V18	50	25	86.3	61.3	1.22	90°
Citizen CLU-048	50	25	85.7	60.7	1.21	90°
Samsung LC040C	50	25	86.8	61.8	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
CXB3050	45	25	84.3	59.3	1.31	90°
Bridgelux V18	45	25	86.8	61.8	1.37	90°
Citizen CLU-048	45	25	87.5	62.5	1.38	90°
Samsung LC040C	45	25	86.5	61.5	1.36	90°