20~40W COB LED Lighting Heat Sink Module

Features:
- Best Cost/Performance Custom Solution for 20~40 W COB & SMD LED Lighting; Thermal Resistance 0.7~1.5°C/W
- Best Thermal Performance - Pure Aluminum AL1070 Made by Cold-Forging Techniques much better than Conventional Extrusion or Die-Casting Techniques
- Pure Aluminum AL1070 Material for Superior Thermal Conductivity – 238W/(m*K)
- Flexible Adaption with Multiple Choices of COB or SMD LED Modules
- Advanced Surface Treatment for Best IP Rating and Corrosion Protection
- Custom Color Options: Anodized Black or Clear; Electrophoresis Black
- Great Varieties of Applications: Track Light, Down Light etc

Product Information:
Model Number: DG118-050-001
Dimension (mm): Ǿ 118X80
Cooling Surface(mm²): 187649
Cooling Performance (lm): 2400~4800
Thermal Resistance(°C/W): 0.7~1.5
Dissipated Power (W): 20~40
Weight: 0.60 kgs/1.30 lbs
Material: AL1070
Surface Treatment Options: Anodized Black or Clear; Electrophoresis Black

20~40W Heat Sink Module Dimensions:
Heat Dissipation Simulation: Simulation under Cree CXB3050 COB-40W

Power = 40W:  Ta=25  Tc=53.5  △T=28.5  Rca=0.71°C/W

Simulation under Cree CXB2530 COB - 20W

Power = 20W:  Ta=25  Tc=55  △T=30  Rca=1.5°C/W

Temperature Rise Curve:

<table>
<thead>
<tr>
<th>Model Number</th>
<th>LED Power (W)</th>
<th>Ambient Temperature Ta (°C)</th>
<th>Heat Sink Temperature Tc (°C)</th>
<th>Temperature Rise △T (°C)</th>
<th>Thermal resistance Rca (°C/W)</th>
<th>Angle of LED Simulator</th>
</tr>
</thead>
<tbody>
<tr>
<td>DG118-050-001</td>
<td>40</td>
<td>25</td>
<td>53.5</td>
<td>28.5</td>
<td>0.71</td>
<td>90°</td>
</tr>
<tr>
<td>DG118-050-001</td>
<td>20</td>
<td>25</td>
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</tr>
</tbody>
</table>

Applications:
A great variety of applications in Track Light, Down Light and more.