Features:

- Industry Best 100W COB Thermal Solution
- Patented Heat Pipes Absolute Embedding Flatness Technology
- Much Faster Heat Dissipation Speed to Avoid Light Decay Risk
- Most Advanced Cold-Forging Heat Sink Production Techniques
- Much Better Thermal Conductive Aluminum Material (AL 1070)
- Most Advanced Electroplating Coating Surface Treatment for Best Corrosion Resistance
- Flexible Mounting Systems Custom Design & Built
- Great Variety of COB LED Lighting Applications

Product Information:
Model Number: DG180-100-A01
Dimension (mm): ∅180 x 80
100W COB Brightness (lm): 10,000~14,000
Cooling Surface Area (mm²): 398,982
Thermal Resistance (°C/W): 0.3~0.5 (Varies Upon COB Chips)
Total Dissipated Power (W): 80W~100W
Weight: 1.10 kgs/2.4 lbs
Material: AL1070 with 3pcs ∅6mm heat pipes
Surface Treatment Options: Electroplating Black or Glossy White

100W Heat Pipes Module Dimensions:
Heat Dissipation Simulation:

Temperature Rise Curve:

<table>
<thead>
<tr>
<th>COB</th>
<th>LED Power (W)</th>
<th>Ambient Temperature Ta (°C)</th>
<th>COB Case Temperature Tc (°C)</th>
<th>Temperature Rise △T (°C)</th>
<th>Thermal resistance Rc-a (°C/W)</th>
<th>Angle of LED Simulator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cree CXB 3590</td>
<td>100</td>
<td>25</td>
<td>62.5</td>
<td>37.5</td>
<td>0.38</td>
<td>90°</td>
</tr>
<tr>
<td>Bridgelux Vero 29</td>
<td>100</td>
<td>25</td>
<td>68.5</td>
<td>43.4</td>
<td>0.43</td>
<td>90°</td>
</tr>
<tr>
<td>Citizen CLU048</td>
<td>100</td>
<td>25</td>
<td>61.5</td>
<td>36.5</td>
<td>0.37</td>
<td>90°</td>
</tr>
</tbody>
</table>

Applications:

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