

High power LED lampAbstract

5 A high-power LED lamp, including: a shell, a light-emitting assembly, heat  
dissipating fins, the light-emitting assembly includes a reflective bowl, a LED  
and a lens, characterized in that, the heat dissipating fins are radially installed  
in the channel of the shell, the outer end of each heat dissipating fins is  
connected with the inner wall of the shell, with the inner end linked to the outer  
10 wall of a circular cylinder, all of the front end faces of the heat dissipating fins  
form a cone-shaped concave torus, the reflective bowl is provided on the  
cone-shaped concave torus; the axis of the circular cylinder coincides with the  
axis of the shell, the front end face of the circular cylinder is planar, and the  
LED and the lens are installed on the surface. Compared with the prior art, the  
15 radially fenced-shaped heat-dissipating fins communicating from the front to  
the rear are provided in the shell, which will be more conducive to the air  
ventilation around the heat-dissipating fins, as well as heat transfer, and  
remove the heat generated by the LED nodes in time to improve the effect of  
heat dissipation.

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(FIG. 1)