

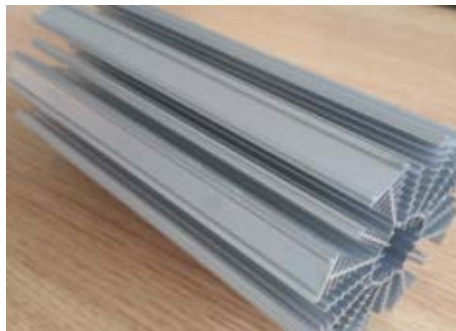
LED CORN BULB -WHY FANLESS ?

This is the heat sink of a corn bulb that will rely on an inserted fan.



The fin structure consists of thin sheets connected by a small barb. The structure is loose, easy to squeeze out of shape, the barb can easily disconnect with a bit of rough treatment. There's no air movement in an enclosed fixture. As reducing the lamps temperature relies on the thermal capacity of this heat sink which is very poor, a fan is added to aid in cooling. Problem: fans are easily destroyed by moisture, dust, insects and age. Once the fan breaks the lamp no longer performs well.

This is the heat sink found in a fan-less corn bulb.



Textured aluminum provides a stable one piece heat sink with a high thermal holding capacity. Aluminum also provides a very good rate of heat dissipation. No fan needed !

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