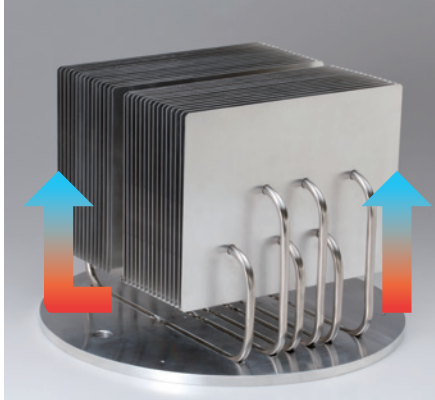


Stand Kicker for LED Lighting

600W LED (1KW Halogen equivalent) High Beam Flood Light for Stadium / Athletic Field



Application:

For energy consumption saving and long term use, replacing conventional halogen lamp by LED light source is an obvious movement. Unlike fluorescent lamp, LED light source does not release energy via radiation. 80% of the consumption energy is directly converted to waste heat which makes LED lighting necessary to include cooling measure in its apparatus.

spreading heat from high density layout of LED chips. By creating natural air flow using chimney effect, Stand Kicker is an optimal solution for natural convection. We highly recommend not using a fan or blower with LED lighting because not only adds extra cost but maintenance will be required after certain period of time while advantage of using LED is in it's long product life over 40,000 hours.

Design Concept:

Stand Kicker (heat pipe with horizontal fin stack) is recommended for transferring and

Material:

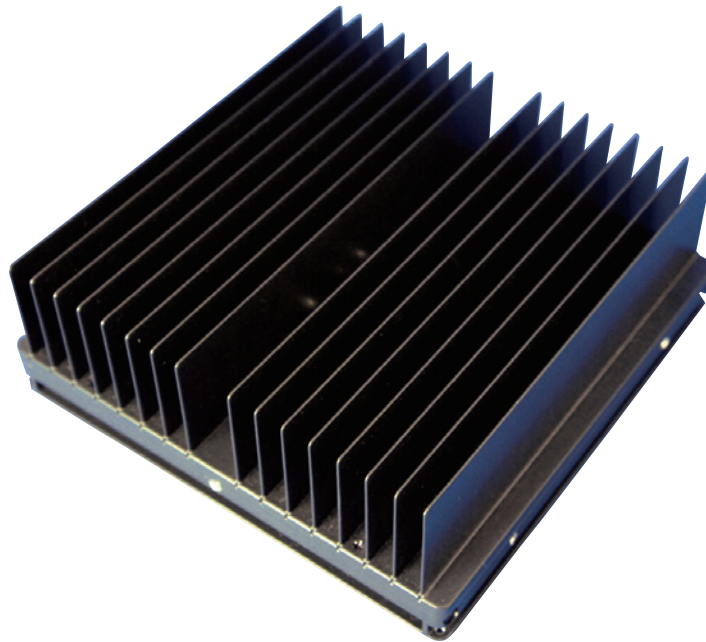
Aluminum Fin / Aluminum Base / Heat Pipes (Copper) / Ni Plating

100W to 200W Down Light for Auditorium / Theater



Crimped Fin Solution for LED Lighting

Over 100W Industrial Use Ceiling Light



Application:

For energy consumption saving and long term use, replacing conventional halogen lamp by LED light source is an obvious movement. Unlike fluorescent lamp, LED light source does not release energy via radiation. 80% of the consumption energy is directly converted to waste heat which makes LED lighting necessary to include cooling measure in its apparatus.

Design Concept: Crimped fin (mechanical attachment of fin and base) is recommended for replacing conventional solid heat sink such as die-cast and extrusion for any kind of LED lighting. Many lighting users prefer lighter and more compact apparatus especially for high-power lighting such as industrial ceiling

light or flood light. Even for home and store users, it is obvious that a diecast heat sink is adding weight compared to conventional halogen or mercury lamp. By reducing the weight of lighting, in the end it helps reduce the installation cost which could add premium value over competitor's lighting with die-cast heat sink. It is proven that crimped fin can reduce up to 70% of weight compared to solid heat sink and yet thermally performs even better than die-cast or extrusion.

Material: Anodized Aluminum Fin / Anodized Aluminum base

