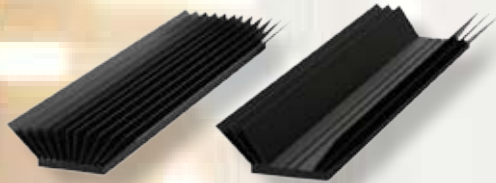
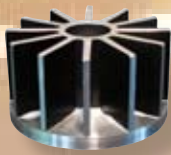
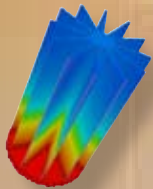


High Performance Thermal Management Solutions for LED Applications

Why does LED thermal management matter? Excess heat directly affects both short-term and long-term LED performance. The short-term effects are color shift and reduced light output while the long-term effect is accelerated lumen depreciation and thus diminished lifespan.

Advanced Thermal Solutions, Inc. (ATS), an industry leader in electronics cooling, also offers comprehensive LED/Lighting thermal management analysis and design services tailored to help bring LED products to market faster, ensure their reliability and reduce development costs.



SERVICES

Evaluation
Analysis
Design
Testing
Manufacturing

PRODUCTS

Heat Sinks
Components
Assemblies
Interface Materials
Test Instruments

More information about ATS thermal design and testing services can be found on the Advanced Thermal Solutions website, www.qats.com, or by calling 781-769-2800.

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