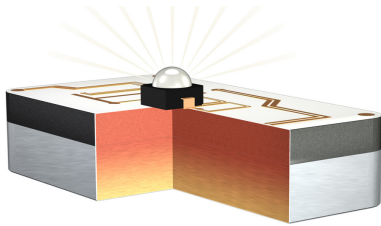
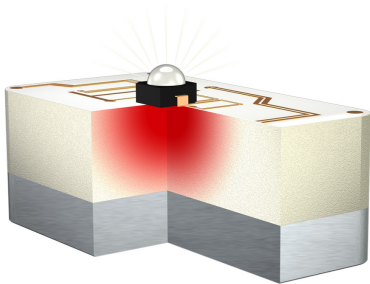


Aluwave Light Engines - Built on Alunat™

Aluwave's family of materials for printed circuit board products - Alunat™ – is developed to solve the heat problems of modern electronics. It is based on a ceramic, instead of a polymer dielectric as illustrated below.



Alunat™, with an even heat distribution



Conventional aluminium based carrier with a heat concentration in the polymer under the LED

Alunat™ is highly suitable for high power LED applications as the heat is very efficiently transported away from the component. This allows higher light output, lower power consumption or longer lifetime

Aluwave has developed a generic light engine, Aluwave Light Engine, which is easily customised to meet your requirements in terms functionality set and board geometry before manufacturing. It is built on Alunat™ for optimum performance.



A generic Aluwave Light Engine

You choose from a wide set of functions and decide on the levels you require for light output, colour temperature and more. Aluwave selects the best LED's for your specific application.

Sample of functionality set

- Light output e.g. 50 - 5000 lumen
- Variable light output - dimming
- Compensation for ageing
- Colour temperature
- Variable colour temperature
- Colour Rendering Index
- Temperature feedback
- Electronic theft protection
- Lifetime up to 50.000 hours

The light engines are of course verified for optical, thermal and electrical requirements and with service level agreements you are guaranteed to always have the latest technology.

Aluwave AB is an innovative Swedish company that specialises in electronics cooling technology and provides, as a complement to Alunat™, customised light engines and expertise in electrical, thermal and optical design.