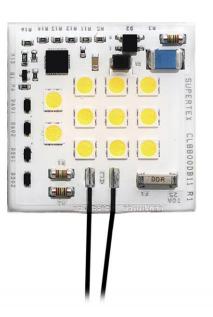eurnortech
LED solutions

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LED solutions

Eurnortech specializes in the design of sub components for the emerging LED industry. Our wide product portfolio includes Power Supplies, LED Controllers, LED Modules, LED Spotlights and Power Inverters. We also offer our expertise and design consulting services to OEMs to reduce their time to market.

All our products are thoroughly tested and inspected during each stage of manufacturing to satisfy our high quality standards and to provide an outstanding product to our customers. Our German based Engineering facility is one of Eurnortech's strengths in innovation and product design. Flexible manufacturing partners allow us to respond to our customer needs in a swift manner and provide them with unique solutions.

Eurnortech
Square
ESQ series

Eurnortech Square ESQ Series

The ESQ Square is an AC-powered square PCB, populated with eleven high-brightness LEDs and encapsulated into transparent resin. It is available in Aluminum or Ceramic PCB choices. Aluminum being a better choice from price/performance stand point, but requires an isolation from the input mains voltage. The ceramic substrate material perfectly insulates from the input mains voltage, provides a more than 30% improvement in thermal dissipation over aluminum and features a reduction in weight. The robust design and strict quality control during production allows a life of more than 50,000 hours of continuous operation. The resin is environmentally safe, non-toxic, fire proof and retains its transparency for expected life of the product. Eliminating the need in a power supply, this module only requires an AC-power connection, considerably reducing the time to market of the finished product. At 95 lumens per watt, it is best suited for interior and exterior accent lighting, underwater and architectural applications.

Technical Data

- Input power: 17W
- Input voltage: 230VAC
- LED efficacy: 95lm/W
- CCT: 3000K - 6000K
- CRI: 80
- Rated life: 50,000hrs
- Operating temperature: -40 °C ~ +40 °C
- Dimmable: yes
- Dimensions (WxHxL): 50mm x 50mm x 5mm

Features

- IP68
- UV-resistant
- No color degradation
- Non-toxic materials
- Flame-resistant
- Does not burn when melted
- Very low heat generation

Applications

- Spot
- Retrofit
- Street
- Architectural

CE UL CSA

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