



Company news

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Anglia launches specialised division for LED lighting

Anglia announces the launch of **Anglia Lighting**, a new division dedicated to providing a broad range of products, backed up by highly competent technical support, to manufacturers, contractors and installers of LED lighting systems.

Anglia has built up a strong presence in optoelectronics, with a portfolio that includes LEDs from Cree and Avago Technologies; drive circuitry from Zetex and Power Integrations; microcontrollers from ST and Microchip; and thermal management products in the form of heatsinks from Aavid Thermalloy and Calinar; and fans from NMB Minebea. In addition, Anglia has partnerships with a supplier of aluminium clad PCBs and a range of optics from Polymer Optics, who can provide standard or customised lenses to give optimum performance for a particular lighting design. These are all critical components that need to be properly integrated into the design in order to meet the overall performance specification.

All these resources are accessible via a new Web site at www.anglia-lighting.com, which provides summaries of the main features of each of the individual product ranges, and also includes a parametric search facility to assist in rapidly identifying the most appropriate components. A design guide takes the designer through all the steps in the process of a solid state lighting

project, from defining the initial lighting requirements and the design goals, through estimating the efficiencies of the different parts of the system and calculating the required number of LEDs, to choosing the best combination of optical, thermal and electrical components and finally board layout and building and testing of a prototype. Access to personalised offline support is also provided.

Anglia is unique in having built up this comprehensive a portfolio of market-leading product lines and manufacturer partnerships, and in being able to provide the high level of design support that a manufacturer needs to produce a fully working LED lighting product.

Anglia's in-house design capability, Anglia Designs, can help the manufacturer throughout the whole of the design process, from selecting the LEDs to matching them with drive circuitry, cooling components and sourcing lenses and PCB layout and production. Complete working reference designs can also be supplied to customers. Finally the in-house EMC test facility can assure pre-compliance for CE mark approval.

In addition to these services, Anglia is the only distributor to offer automated batch selection of LEDs from both the Cree and Avago product ranges, whereby a selection is made from a single bin or a selection of bins for the colour and intensity.

Solid state lighting is a technology that has great potential for the future. Not only does it offer an energy efficient option, but it also promises better reliability,

since a lighting installation still functions if one or more of the individual emitter elements has failed. Energy efficiency of lighting is important for helping to meet the requirements of Part L of the Building Regulations, and for reasons of reducing overall environmental impact and reducing running costs.

Applications for LED lighting can include, for example, emergency floodlights and illuminated signs for roadworks in addition to replacing incandescent and fluorescent lighting in industrial and domestic installations. Many of the companies involved in this market are traditional electrical manufacturers who may not have previous experience with electronics design. These companies are moving from using conventional lamps towards the use of LEDs, in order to develop products that have lower energy consumption – for both cost and environmental reasons – and are more reliable.

Note to Editors:

The design of solid state lighting assemblies involves much more than just the LED emitters themselves. The complete system involves a thermal management solution which will generally comprise an aluminium clad PCB to aid heatflow away from the devices, and often also a larger metal heatsink.

Drive circuitry is very important, not just the AC-DC constant current source but also the interface with a microcontroller, and the programming of the microcontroller itself to implement communications protocols such as DMX512

and ZigBee. Also crucial is the use of a properly designed lens to provide the correct focusing and directional characteristics for the beam.

It is Anglia's philosophy to provide a balanced product portfolio and an unprecedented level of design support to its customers. Anglia has grown and developed its technical team into an elite taskforce that offers the best design support available in the distribution sector to customers across its entire product range. In June 2007 it launched a new technical design facility, Anglia Designs (www.anglia-designs.com), with a €750k investment in equipping a new laboratory and hardware/software design suite, installing CAD/CAM capability and an EMC pre-compliance test facility.

Anglia believes in training its technical staff to the very highest standard. In addition to product training with manufacturers, Anglia's engineers receive in-house training on a variety of technical and management skills.

For further information and reader enquiries:
Michelene Hircock, Anglia Components Limited, Sandall Road, Wisbech, PE13 2PS

Tel: +44 (0) 1945 474747 E-mail: michelene.hircock@anglia.com
Fax: +44 (0) 1945 474849 Web: www.anglia.com

Agency contact:
Bob Jones, Publitek Limited, 18 Brock Street, Bath, BA1 2LW, United Kingdom

Tel: +44 (0) 1225 470000 E-mail: bob.jones@publitek.com
Fax: +44 (0) 1225 470047 Web: www.publitek.com

About Anglia

Anglia is a leading franchised distributor of semiconductors, optoelectronics, interconnect, and passive and electromechanical components. Anglia stocks over 700 million components from 360,000 product lines in the UK. Components from every supplier are stocked in depth and breadth for same-day despatch. Anglia aims to streamline logistics and reduce customers'

transaction costs through services that include KAN-BAN, EDI, and customer-dedicated inventory. Accurate, on-time delivery performance is over 99% and rising.

Further information can be found at <http://www.anglia.com>.