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Anglia introduces LED binning traceability

UK distributor offers tighter LED bin selections

Wisbech, UK, 18 July 2011 – Anglia Lighting is announcing full colour and brightness bin traceability across its range of lighting-class LED's, giving customers much greater control over appearance than is provided by manufacturers as standard.

Anglia Lighting is an authorised distributor for CREE and Avago LED's. Both manufacturers sort LED's by chromaticity (correlated colour temperature or CCT) and luminous flux (brightness) for white LED's and dominant wavelength (colour) for coloured LED's except in the case of royal blue where they bin by radiant flux (mW). An individual LED part number will typically specify anywhere between 4 and 16 correlated colour temperature bins with brightness bin usually specified as a minimum.

For many applications these standard part numbers with their range of colour bins and minimum specified brightness bins are adequate, however for some applications the standard bins are not suitable and tighter binning is required. To address this problem Anglia Lighting records the exact colour and brightness bin information for every batch of CREE Xlamp and Avago lighting-class LEDs that it stocks. As a result, customers are now able to request selected bins for applications where they require a tighter selection than would normally be provided by the manufacturer as standard. The binning information is not only recorded on incoming goods but is also traceable to individual despatched orders allowing customers to request the same binning selection on future shipments as they received on previous shipments, subject to stock availability.

Anglia Lighting believes it is the first UK distributor to offer this level of bin traceability on Lighting Class LED products allowing customers to achieve greater uniformity in both colour and brightness for LED lighting applications, improving the value and appearance of the customer's end product.

David Pearson, technical marketing manager of Anglia Lighting commented, "Binning of LED's is critical, it is the single most significant challenge faced by many customers who are striving to achieve uniformity of light output and colour between LEDs used in the same installation or system. For instance if an array of LED's are being used on a single PCB, visible variation in the colour temperature and light output of adjacent lamps is unacceptable. Equally in systems which only use one LED, some applications require that an individual product has the same colour and light output uniformity as the next when they are placed side by side."

About Anglia

Anglia is the UK's leading independent authorised distributor of semiconductors, optoelectronics, interconnect, and passive and electromechanical components. The company is a signatory of the ADS SC21 programme and holds AS9120, ISO9001, ISO14001 accreditations and IECQ-CECC qualification. Anglia's exceptional technical support spans a fast sampling service, telephone advice from product specialists, on-site visits from field applications engineers and, ultimately, electronics design. An in-house team of designers adds expert resources to customers' design teams, helps reduce final product costs and accelerates development times. Anglia stocks over 700 million components from 500,000 product lines in the UK, and streamlines its customer's logistics and reduces costs through KAN-BAN, EDI, and customer-dedicated inventory.

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