

Press Release

May 2007 – For Immediate Release

YEG Components announces availability of the new Warm White Acriche of 42 lm/W *The First Energy-Efficient AC Mains Powered Light Source Producing Near-Daylight Quality*

UK Based electronics Components distributor YEG Components is pleased to announce the availability of the new Arichie 42 lm/W Warm White LED - the world's first semiconductor lighting source for AC power outlets, can now achieve warm white of near-daylight quality, making it suitable for general and indoor lighting applications.

The warm white Acriche features 42 lm/W based on light source with an Actual System Efficiency (which takes into account luminous efficacy, ballast efficiency and luminaire efficiency) of 39.9 lm/W. This is higher than 7.5 lm/W for incandescent lamps and 30.6 lm/W for compact fluorescents.

Warm white Acriche is a suitable replacement for DC-LED lighting. Compared to conventional warm white DC LED which has a luminous efficacy of nearly 35 lm/W, the warm white Acriche at 42lm/W is 20% more efficient. Warm white Acriche can also produce a brighter lighting environment without the need of a converter or ballast.

Acriche Warm White's high CRI ratings and superior color rendering capabilities make it an ideal solution for environments that demand vibrant and accurate lighting, such as museums, luxury hotels, art galleries, show rooms and displays.

Arichie is manufactured by Seoul Semiconductor and is a welcome development in LED lighting as the need for more energy efficient and environmentally friendly lighting sources becomes ever more urgent. Arichie finally breaks the barrier in the illusive quest for a warm white semiconductor lighting source that can match the capabilities of conventional lighting sources, whilst offering a high quality CRI rating but with less harm to the environment and at a lower cost in terms of energy consumption.

World Leading Korean manufacturer, Seoul Semiconductor, has also released warm white Acriche with a luminous efficacy of 33 lm/W which has a Color Rendering Index (CRI) rating of 90. The CRI measures the ability of a light source to produce vibrant colors in objects. A CRI rating of 100 suggests that the light source is equivalent to daylight, while a low CRI rating near 0 suggests that colors will appear unnatural under that particular light source.

About Acriche

Ariche is a semiconductor light source that operates directly from AC power without converters. It offers improved power efficiency compared to incandescent and halogen lamps, and outpaces fluorescent lamps in terms of life span, power usage, and convenience. Acriche lasts 35,000 hours compared to 1,000 hours for incandescent lamps, 3,500 hours for halogen lamps, and 8,000 hours for fluorescent lamps. Acriche does not contain environmentally harmful substances such as mercury, nitrogen or lead like other conventional lights.



RS 31390

Young Electronics Group

Coronation Road
Cressex Business Park
High Wycombe
Bucks HP12 3TA
United Kingdom

Tel +44 (0) 1494 753500
Fax +44 (0) 1494 753500
sales@youngelectronics.com
www.youngelectronics.co.uk

A division of H Young (Operations) Ltd
Registered in England No. 194944
Buckingham House, West Street
Newbury, Berkshire RG14 1BD

About YEG Components

Part of the Young Electronics Group, YEG Components distributes a wide range of electronic components. With professional and knowledgeable staff the company will help you select exactly the right components for your application, or help you design and
The company is a distributor for world leading components manufacturers covering Semiconductors, Optoelectronics, Capacitors, Electromechanical, Resistors, Inductors and Wound Products as well as Fans, Filters and Power Cords.

From modern offices in High Wycombe, they can also design and develop Power Supply Solutions and Custom Cable Assemblies.

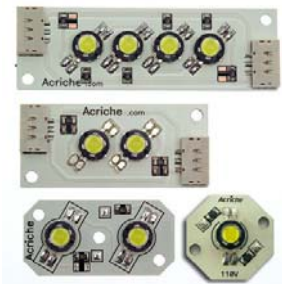
Working closely with the client YEG Components provide cost-effective answers that can help improve everything from product performance to the manufacturing processes.

For more information contact :

Eric Yodts
Product Manager
YEG Components
Coronation Road
High Wycombe
Buckinghamshire
HP12 3TA
United Kingdom

Tel: +44 (0)1494 753500

Email: eric.yodts@youngelectronicsgroup.com



RS 31390

Young Electronics Group

Coronation Road
Cressex Business Park
High Wycombe
Bucks HP12 3TA
United Kingdom

Tel +44 (0) 1494 753500
Fax +44 (0) 1494 753500
sales@youngelectronics.com
www.youngelectronics.co.uk

A division of H Young (Operations) Ltd
Registered in England No. 194944
Buckingham House, West Street
Newbury, Berkshire RG14 1BD

