

## Press information

### **KYOCERA introduces customized LED module with a colour spectrum close to sunlight for diverse applications**

**Achieves excellent rendering of the daylight spectrum and enables a wide variety of applications**

**Kyoto, Japan / Neuss, Germany, August 22, 2016** – Kyocera Corporation introduced new LED modules with a colour spectrum very close to natural sunlight as a special lighting solution. The new type of light-emitting diode (LED) is ideal for colour-inspection such as in paint manufacturing, commercial printing, and automotive colour inspection.

Furthermore, the new LED modules are ideal for surgical lighting in hospital operating rooms and for fine art museum lighting, which require accurate colour identification.

The new LED modules are customized to each specific application and requirement, offering a variety of different light spectrums and colour renderings due to Kyocera's proprietary optical and thermal simulation technologies. In addition, Kyocera applies unique packaging and phosphor mixing technologies and uses highly reflective ceramic materials, enabling the company to design a light spectrum according to each user's needs and to offer longer product life.

The benefits of Kyocera's LED modules include full customization, which is required for maximum accuracy in colour reproduction.

Kyocera is going to introduce the new LED modules at the LED professional symposium in Bregenz in September and at the LED

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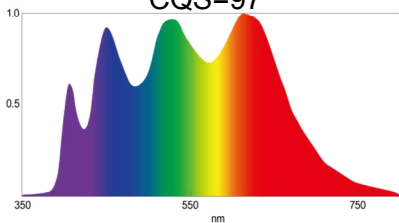
**Press information**

Forum in Lyon in December.

**Example of light spectrum**

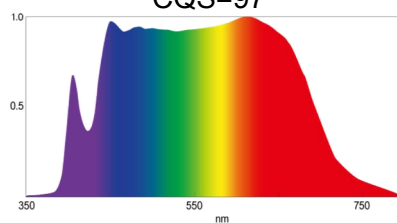
**5000K-Standard-**

Ra=95, Rf=96, Rg=102, GAI=93,  
CQS=97



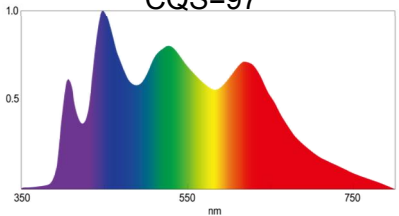
**5000K-Homogeneous-**

Ra=96, Rf=96, Rg=99, GAI=90,  
CQS=97



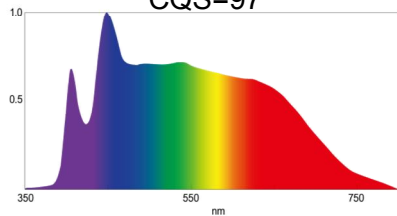
**6500K-Standard-**

Ra=97, Rf=96, Rg=101, GAI=98,  
CQS=97



**6500K-Homogeneous-**

Ra=97, Rf=96, Rg=101, GAI=100,  
CQS=97



**This spectrum shown is not a guaranteed value but measurement data by Kyocera for reference**

LED



LED Module with Heat sink



LED Module with Opt. Lens



LED Module with Diffuser



**Kyocera provides different lighting options: with H/S, lens, diffuser (product images are not shown to scale)**

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For more information about Kyocera: [www.kyocera.eu](http://www.kyocera.eu)

### About Kyocera

Headquartered in Kyoto, Japan, Kyocera Corporation is one of the world's leading manufacturers of fine ceramic components for the technology industry. The strategically important divisions in the Kyocera Group, which is comprised of 235 subsidiaries (as of March 31, 2016), are information and communications technologies, products which increase quality of life, and environmentally friendly products. The technology group is also one of the oldest producers of solar energy systems worldwide, with more than 40 years of experience in the industry.

The company is ranked #531 on Forbes magazine's 2016 "Global 2000" listing of the world's largest publicly traded companies.

With a global workforce of over 69,000 employees, Kyocera posted net sales of approximately €11.59 billion in fiscal year 2015/2016. The products marketed by the company in Europe include printers, digital copying systems, microelectronic components, and fine ceramic products. The Kyocera Group has two independent companies in the Federal Republic of Germany: Kyocera Fineceramics GmbH in Neuss and Esslingen and Kyocera Document Solutions in Meerbusch.

The company also takes an active interest in cultural affairs. The Kyoto Prize, a prominent international award, is presented each year by the Inamori Foundation — established by Kyocera founder Dr. Kazuo Inamori — to individuals and groups worldwide who have contributed significantly to the scientific, cultural, and spiritual betterment of humankind (converted at approximately €360,000 per prize category).

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