

# PRESS INFORMATION

October 2009



## **Xicato**

A new player in the LED module market, Xicato, is making a strong entrance into the European, North American and Japanese lighting markets with its first product, the Xicato Spot Module (XSM).

## **Xicato Spot Modules: Light quality without compromise**

The Xicato Spot Module is simply a functional replacement for traditional lamp technologies, offering all the life and energy-saving advantages of LEDs with no light-technical or aesthetic compromises. Enabled by Xicato's proprietary "Corrected Cold Phosphor Technology", the Xicato Spot Module performs to a very tightly controlled quality specification, above and beyond the industry standard. This technology uses a unique color correction phosphor system separated from the LED array to both eliminate initial color variation and keep the phosphor cold to improve long term color point consistency and lumen maintenance.

### **Improved color point consistency**

The phosphor correction puts an end to the color variation issues which have until now been a barrier for the market's acceptance of LEDs. While industry standard LED binning structures allow for color points in a 7 step McAdam Ellipse, Xicato XSM modules perform to less than a 2 step McAdam Ellipse that is centered on the Black Body Locus at each CCT for a perfectly natural light appearance. 2700K, 3000K and 4000K modules that have Color Rendering Indices (CRI) of 80+ are available today with CRI 90+ versions set for release at the end of the year.

### **Improved long term color point consistency and lumen maintenance**

Extensive accelerated life testing proves that Xicato's "Corrected Cold Phosphor Technology" has the ability to retain its flux levels and color point over longer periods than is possible with traditional white LEDs under the same operating conditions. Even under the extreme conditions of our ongoing WHTOL tests (85°C, 85%RH, 1hr on/off), extrapolated lumen maintenance curves indicate less than 30% degradation at 50khrs with color maintenance within the initial Xicato color specification.

### **Form factor, flux, and efficacy**

The XSM is available at flux levels up to 1000lm at application temperature, despite the relatively small size (<50mm diameter and <20mm in height). Efficacies that approach or exceed 50lm/W are achieved depending on the drive current. This combination of attributes allows for creativity in luminaire design and at the same time comprehensive functionality.

The Xicato Spot Module fulfills the promise that LEDs have long offered in terms of efficiency and longevity, with a light performance on a par with halogen.



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## Luminaires

The Xicato Spot Module is incorporated into many luminaire ranges from manufacturers based in Europe and North America; companies such as:

- ACDC Lighting Systems
- Allaey's LED Instruments
- Ansorg
- B-K Lighting + Teka Illumination
- Bruck Lighting
- DaSal
- Duragaurd
- Flos
- Gamma Illumination
- High Technology Lighting
- Lighting Services Inc.
- Lunoo
- Mike Stoane Lighting
- Projection Lighting
- Regent Lighting
- Troll
- Wila Lighting

## Testimonials

Xicato Spot Modules have been installed globally over the last year in areas such as department stores, bars, airports, universities, airport lounges, art galleries, restaurants, homes, hotels and shopping malls. Photographs of many are attached.

## Profile background

Xicato is a young Solid State Lighting company founded by seasoned industry professionals, with offices located in Silicon Valley, California (HQ), London and Tokyo.

Xicato develops, manufactures and globally markets LED modules that simply are functional replacements for traditional lamp technologies, offering all the life and energy-saving advantages of LEDs with no light-technical or aesthetic compromises.

Xicato provides industry best (plus) specifications via an open approach with a global circle of leading end-users, specifiers and luminaire manufacturers.

Xicato is committed to address the whole broad sphere of the general illumination world, taking on segment by segment with our annual new product launches. By 'Making sense with LEDs'® Xicato will bring confidence in LEDs to the lighting market and contribute to their widespread adoption.

## For more information on Xicato

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[www.xicato.com](http://www.xicato.com)

Available in print format:

- Photographs of various applications and luminaires
- Xicato logos
- Xicato Spot Module product image and cut away view



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