

Yamagiwa release X-series High Quality LED Luminaire range

February 2010 saw the latest in Yamagiwa's constant innovatory drive: the launch of an X-series High Quality LED luminaire range. All incorporate the Xicato Spot Module and the result is a unique combination of elegance and robustness in luminaire design with a no compromise light quality and energy and maintenance savings afforded by the module.

The X-series range has six basic standards: the Base Downlight, Adjustable Downlight, Outdoor Eave Downlight, Bracket, Outdoor Flood Spot Light and Bollard. There are 52 individual luminaires or 78 if different color versions are included. The Artist Series module (see below) is an option for the Base and Adjustable Downlight. Custom designs are also a possibility.

The ranges saw their first public exposure at the Frankfurt's Light and Building Fair in April, followed by Las Vegas's Light Fair International in May.

Yamagiwa president Tetsu Konagaya comments on the Yamagiwa and Xicato collaboration:

"It is with great pleasure that I announce Yamagiwa's first collaboration with Xicato. After an extensive investigation of many possible LED module partners we arrived at Xicato whom we consider to be one of the leaders for innovation. The combination of light quality, efficiency, longevity and robustness characteristic of their Xicato Spot Module range fits perfectly with our first launches of spots, floods and bollards. I believe that these lighting products will play a major role in the field of quality lighting."

Xicato Spot Modules

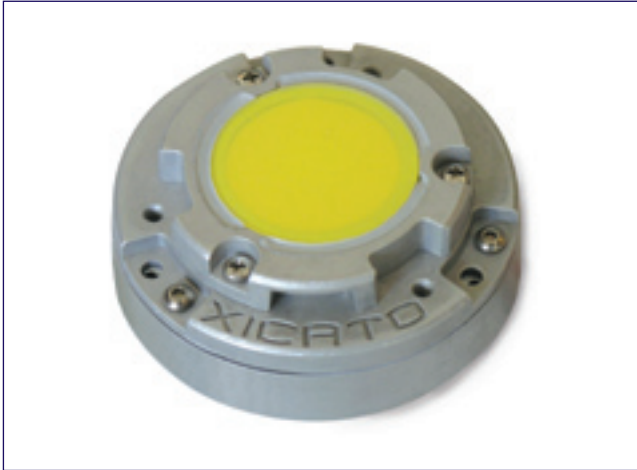
Xicato Spot Modules (XSMs) consist of a LED array within a mixing chamber below a separated phosphor plate. Uniquely a separated phosphor technology is made possible in a LED Spot Module owing to Xicato's technique of keeping the phosphor cold. Separating phosphors away from LED chips increases light quality in terms of both uniformity and color consistency. Furthermore Xicato's Corrected Cold Phosphor Technology ensures that color points centered on the Black Body Locus for a perfectly natural light are maintained to a 2 step MacAdam ellipse tolerance, part to part and through life. Three CCTs (Correlated Color Temperatures) are available: 2700K, 3000K and 4000K.

Within the XSM range the Artist Series, via attention to both LED and phosphor specification, have a CRI of Ra over 95, compared to one of 80 + with the standard range. Typically the Color Rendering Index is only evaluated for the first 8 pastel colored reference samples of the CRI system.

The Artist Series has also been optimized to get excellent results for the more saturated and skin color samples of the CRI reference set. For the deep red R9 reference sample, a value of R9 over 90 has been achieved for the 2700K and 3000K Artist Series, and the same R9 is over 85 for the 4000K Artist Series.

These numbers not only outperform other LED solutions but also traditional lamp types like compact fluorescent and compact metal halide.

Pictures



Xicato Spot Module



X-series Outdoor Eave Downlight



X-series Outdoor Flood Spotlight



X-series Bracket



X-series Bollard

Profile background

About Yamagiwa

Yamagiwa, established in 1923, has been well known in Japan for its top quality design and service in the manufacturing and distributing of high-end lighting products.

While evolving and increasing its outstanding reputation in the Japanese and international markets, Yamagiwa experienced huge success at the exhibition “Yamagiwa Lighting Design” in Milan, Italy in 2005, 2007 and 2009. The exhibition featured beautifully original lighting products made in collaboration with world famous designers such as Ross Lovegrove, Christophe Pillet, Tokujin Yoshioka, Toyo Ito, Naoto Fukasawa, Shigeru Uchida and Shiro Kuramata.

Yamagiwa has been making advances not only with design lighting, but also with the development of lighting plans. These plans draw out and emphasize the functions of architectural spaces with the knowledge from in-house lighting designers. They then work together with general contractors, architects and other lighting designers in a variety of fields such as public facilities, commercial projects, office environments, residential spaces, as well as landscape lighting planning. With a focus beyond just form and function, Yamagiwa continues to develop lighting equipment which responds to current needs: increased safety, energy efficiency, and environmental concerns. With the introduction of new technologies and sources of light such as LED and fiber-optics, Yamagiwa engineers and designers continue to imagine and create new styles of lighting.

Yamagiwa’s flagship store Yamagiwa Livina is located in Tokyo and sales offices throughout Japan. Yamagiwa USA office in California is specifically handling the lighting product distribution such as the Frank Lloyd Wright® collection as well as original design lighting. Yamagiwa’s original lightings are also available in the international market through local distributors and agents.

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www.yamagiwa.co.jp (*Japan*)

About Xicato

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.

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