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IN THE DARK? What LED products are right for you or your clients? Check out the 2014 Product Innovation Awards, which covers almost every kind of SSL product applicable for the commercial/institutional built environment.

ARCHITECTURAL SSL

AT THE FRONT

Advances in SSL technology, most notably chip-in-board arrays and the use of ceramics as a material, are helping take LED to the next level.

SSL BUZZ

A recent DOE GATEWAY study of the Smithsonian American Art Museum tackles the issue of rather substantial color shift in sources.

WHITE PAGES

Kevin Willmorth updates the state of DLLED, where he notes low efficiencies and color issues remain, but things are progressing.

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INNOVATION UNVEILED

- 09 **SSL Buzz:** The U.S. embassy in Helsinki turns to LED.
- 12 **White Pages:** Decisions in regards to choosing drivers.
- 24 **Advances:** Downlights, arrays, area lighting and more.



CATEGORY: DOWNLIGHTS



USAI Lighting

BeveLED 3.0 Max Output high-performance LED

This luminaire provides an alternative to metal halides by matching the output of a 100W metal halide lamp with 50W less, while also providing dimming, 2.5× longer lamp life and integral emergency battery packs. CRI, the luminaire provides up to 3100 delivered lm., more than 72 lm/W and 10-degree optic with a center beam candlepower of up to 52,000. The luminaire uses up to 70% less energy than traditional sources.

Judges' Comments: *"The tool-less light engine replacement feature is unique."*



CATEGORY: DOWNLIGHTS



USAI Lighting

BeveLED 5.0 Max Output

Like its 2.0 and 3.0 predecessors, the BeveLED 5.0 meets sustainable criteria, has precise optical control offering 80 and 90+ CRI as well as fixture-to-fixture consistency through advanced optical design. This winner in the luminaires category provides up to 5000 delivered lm., which is more than 61 lm/W and 10-degree optic with a center beam candlepower of up to 85,000.

Judges' Comments: *"The product's binning, replacement and return policy are all good."*



CATEGORY: DOWNLIGHTS



USAI Lighting

BeveLED 2.0 Color Select

With proprietary and patent-pending tunable white Color Select technology, the fixture can recreate a broad spectrum of color temperatures and lumen outputs to mimic a natural daylighting cycle in any environment at any time of day. Optimizing color temperatures from 2700K to 6000K, the BeveLED 2.0 provides up to 2-200 delivered lm., more than 81 lm/W and features precise optical control offering end-users 80 CRI and a full spectrum of beam spreads from 30 to 80 degrees.

Judges' Comments: *"I like this product. Good output and dimming with color tuning—all going in the direction of what we can truly expect from LED products."*



CATEGORY: DECORATIVE/PENDANT



USAI Lighting
BeveLED 2.0 Pendant

The BeveLED 2.0 Pendant by USAI Lighting is available in four wattage/lumen packages with maximum delivered lm. of up to 2100 at 33W. This pendant is powerful enough to serve as a stand-alone light source when illuminating a room, unlike the traditional decorative pendant which must be paired with additional ambient lighting to fully illuminate a room. It features multiple dimming options, which one judge said made the product unique, in that it can be dimmed to just 1%.

Judges' Comments: *"A great niche product that helps the big-picture energy story by putting light where it belongs."*



CATEGORY: DECORATIVE/PENDANT



USAI Lighting

NanoLED NXT Pendant

With a sleek 3-in. diameter body, USAI Lighting's NanoLED NXT Pendant offers up to 1000 delivered lm. from only 20W. With the ability for surface, wall or cable mount options, the light is flexible. Measuring just 3 in. in diameter, the pendant offers a sleek solution for retail and hospitality spaces.

Judges' Comments: *"Overall, performance of the LED engine combined with a higher lumen-package delivered from a small form-factor housing is impressive. This small aperture cylinder with a very tall proportionate body offers a unique style and personality to the luminaire."*