

**EXPLOSION OF IMAGINATION.** This latest iteration of entries into the annual Product Innovation Awards reveals a growing maturation of the industry, as well as exciting new developments and forms that could be a prelude of major change. [Page 12]

# ARCHITECTURAL SSL

#### AT THE FRONT

LED continues to mature as a commercial and efficiency gains continue to see new markets, but there is still hesitation to adopt the technology.

#### SSL BUZZ

LED's recent Detroit workshop produces a treasure trove of useful LED ideas for SSL proponents to act upon.

#### WHITE PAGES

Wireless tech has evolved to become robust and reliable; its many protocols and options, however, can create confusion.

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# PIA '15

PRODUCT INNOVATION AWARDS

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- **SSL Buzz:** New York's Inaugural Festival of Light brings an elite flair
- **SSL Buzz:** D-LED luminaires now available for the mass market
- **White Pages:** Examining and comparing LED lighting opportunities

**CATEGORY: DOWNLIGHTS****RAB Lighting**  
RDLED 2" LED Downlight

This 2-in. LED downlight has an unobtrusive design perfect for upscale spaces. With an aperture just over 1 in. wide, this 8W fixture replaces 50W MR16 lamps for an 82% reduction in energy consumption; it produces over 600 lm. at 71 lm/W without hot spots or glare.

→ Visit [www.rabweb.com](http://www.rabweb.com)

**Judges' Comments:** "Could be a good step forward for LEDs in an application in which they've had difficulty." "Small aperture down-lights are where LED technology can shine."

**CATEGORY: DOWNLIGHTS****Terralux**  
DR8 Downlight Retrofit Kit

This LED retrofit kit is designed for upgrading any 8-in. and above downlight fixture equipped with bi-pin horizontal CFL lamp. It fits inside the existing reflector but, unlike an LED replacement lamp, it is a permanent retrofit kit that will provide the same level of optical performance, safety and reliability as a new LED fixture; it does not rely on the old ballast or the old socket of the fixture.

→ Visit [www.terralux.com](http://www.terralux.com)

**Judges' Comments:** "A new application for LEDs—great to see! Good efficacy for this application (downlights); the industry has been waiting for a higher wattage CFL replacement."

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

**CATEGORY: DOWNLIGHTS****Juno Lighting Group**  
Juno 2" Downlight

Juno 2-in. LED downlights and adjustable fixtures produce over 600 brilliant lumens—the same amount as a much larger 6-in., 65W incandescent—yet with just 10W input, they consume only 15% of the energy. Featuring a discreet 20-in. aperture, the downlights offer a sophisticated designer look. Available with downlight or adjustable fixtures, round or square apertures, an extensive selection of trim styles and finishes, and a range of color temperatures.

→ Visit [www.junolightinggroup.com](http://www.junolightinggroup.com)

**Judges' Comments:** "I needed this light 6 months ago!" "The photometrics are impressive for such a tiny thing. There's no point to bother with the 6-in. residential grade downlight dogs any longer."

**CATEGORY: DOWNLIGHTS****Terralux**  
DR-V Downlight Retrofit Kit

A breakthrough in upgrading compact fluorescents, the DR-V Downlight Retrofit Kit delivers the optical performance, safety and reliability of a new LED fixture as it doesn't rely on the old ballast or fixture socket. Utilizing half the power as the CFLs, the kit is offered in 18W, 26W, 32W and 42W CFL equivalents.

→ Visit [www.terralux.com](http://www.terralux.com)

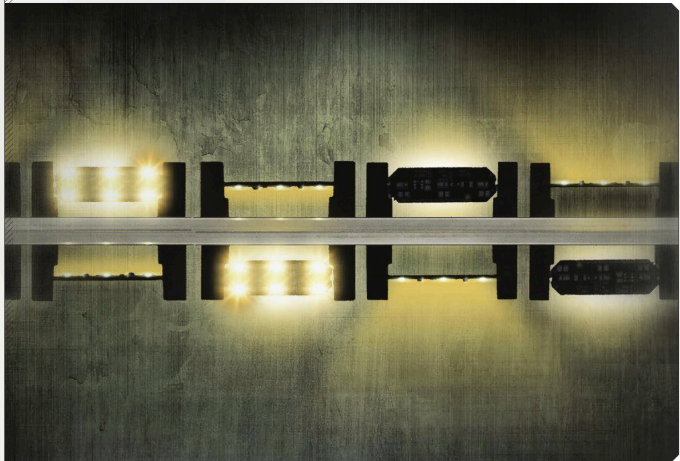
**Judges' Comments:** "Great application, low efficacy; dimming should be an option." "Great option for vertical CFL lamps."

### Move It Around

The **Agabekov** LED light sources in the linear AGA-LED Clip 4 fixture can be mounted in any of four directions by simply clicking the sources into position. This means illumination direction can be changed without changing the orientation of the fixture itself. Color temperatures of 2000K to 4000K are available, with a CRI of 80+.

→ Visit [www.agabekov.ch](http://www.agabekov.ch) or **Circle 295**.

*Linear forms of light are taking hold as the new decorative lighting, replacing accessory sconces and hanging pendants with architecturally integrated features.*



### 4 Winning at Slots

The Stream slot-illumination system from **Prudential Lighting** recedes into a ceiling space in a half-moon design that requires no lens. Instead, flange-mounted LEDs illuminate a flexible reflector to create a seamless stream of indirect light.

→ Visit [www.pruilite.com](http://www.pruilite.com) or **Circle 296**.

### 5 Mid-Power Alternative

The **Cree** XLamp MH-B LED can operate at higher temperatures than mid-power alternatives, with no reduction in rated lifespans—this can mean a 60% reduction in heat-sink size and cost.

→ Visit [www.cree.com](http://www.cree.com) or **Circle 298**.

### 6 Never Too Slim

The slim-styled **Terralux** SR95 is a replacement kit designed specifically for sconce retrofit applications, incorporating a flat LED panel and a driver that can be positioned in multiple positions to meet fixture requirements. The entire unit, including the driver, is less than 1/2-in.-thick. Using less than half the power of a CFL, the kit can enable similar light levels, with a color rendering index of 80-plus.

→ Visit [www.terralux.com](http://www.terralux.com) or **Circle 297**.

