NAILD 2014 Conference

NAILD membership from all over the United States converged at the beautiful Hyatt Pier 66 in Fort Lauderdale Florida, April 3-6 for the 37th Annual NAILD Conference.

Attendees were greeted by southern Florida’s bright blue skies as they reconnected with familiar colleagues and made new friends in the relaxing sun-kissed atmosphere of the resort.

Highlighting this year’s conference were keynote speakers Rogier van der Hyde and Jack Curran, PhD.

Rogier, Vice President and Chief Design Officer at Philips Lighting, Amsterdam, is a renowned innovator in lighting design and application. His passion about the use of light in art and design applications was evident in his thought-provoking presentation.

Jack Curran’s presentation addressed the current state of LED technology in the lighting industry today and the opportunities lighting distributors will encounter in the future as the technology evolves. Jack discussed how lighting controls, both general and personal, will have to be considered in every LED lighting application now and in the future.

Track session speaker presentations were informative and very well received; they included Randy Johnson, LC, Roberta Matsuon, Doug Avery and Valerie Bastien.

Vendors and Distributors met in the traditional one-on-one appointments to discuss latest products, sales and marketing tools and strategy planning for the remainder of the year.

The Product Showcase was presented by Gordon Hunt, LC, as he highlighted the entries from of our vendor members. Following the Showcase was the fast-paced, energy-filled Product Sprint where participating vendors demoed their product shown in the Product Showcase. The open tradeshow time allowed distributors to learn more about our vendor member products.


New this year was the group field trip tour of Marlins Stadium in Miami. After a brief history of the construction of the stadium and the lighting systems used, the group was able walk the perimeter of the playing field for a closer look. After a lot of picture taking and remarks about the 2 large aquariums at field level, the day ended with a delicious buffet in the Diamond Club.

The conference wrapped-up with the installation of the Board of Directors. Kevin Eagan, Northwest Lighting Systems was installed as President, Greg Ehrich, LC, Premier Lighting, Inc. as President-Elect and Rebecca Phillips, Professional Lighting & Supply, Inc. as Secretary/Treasurer. Shannon Care, Pacific Lamp and Supply Co. will serve as Immediate Past President of the Association on the Executive Committee and on the Board.


Paul Hafner, LC, long-time educational partner of NAILD was commended for his outstanding efforts and dedication to the association for the development of the LSI and LSII programs. Gene Grausel (NAILD President 1997-98) presented Paul with a beautifully engraved glass plaque and personalized initialed padfolio on behalf of the NAILD membership. In further recognition, the "Paul Hafner Lighting Education Scholarship" was announced.

Next year’s conference will be held April 26-29th at the Marriott Denver Tech Center, Denver, Colorado.

The 2014 Conference was a great success and we look forward to seeing you all in 2015!
EPA Publishes Final Energy Star Lamps V1.0 Specification

The US Environmental Protection Agency has released the final version of the ENERGY STAR Lamps V1.0 specification that will replace the existing Compact Fluorescent Lamps V4.3 and Integral LED Lamps V1.4 specifications in September 2014.

After having circulated a final draft back in July, the US Environmental Protection Agency (EPA) has now published the ENERGY STAR Lamps V1.0 specification that will cover both LED-based retrofit lamps and legacy products such as compact fluorescent lamps (CFLs). Due to take effect on Sept 30, 2014, the final specification has minor additional changes and lamp manufacturers can immediately commission certification bodies (CBs) to begin testing products to the new specification. Indeed the relatively lengthy certification process is the primary reason the effective date was set more than a year out.

The new lamps specification is a replacement for the prior independent Compact Fluorescent Lamps V4.3 and Integral LED Lamps V1.4 specifications. CBs will no longer certify products to the older specifications beginning May 30, 2014. On Sept 30, 2014, lamps certified to the prior standards will lose Energy Star status.

The changes also address some logistics issues. For instance lamps will have to carry identifying information that allows matching the product to ENERGY STAR listings after the packaging has been discarded. Dimming requirements also received a final tweaking with a clarification on measurements for noise and flicker.

The EPA also repeated its prior commitment to continuously study technology developments going forward. In particular, the agency said it would look for opportunities for lower-cost A-lamps that could be good options for consumers in replacing incandescent lamps without a compromise in energy efficiency relative to lamps that meet the V1.0 requirements.

To see a more detailed list of the changes in the published spec or to review the actual document, see the complete set of information on the ENERGY STAR Lamps webpage (www.energystar.gov). Indeed you will find a cover letter distributed in the announcement of the published specification and even the comments that accompanied each draft of the specification.
Line voltage MR16 lamps with GU10 bases are expected to be categorized and tested as directional lamps and have to conform to the dimensional requirements of ANSI C78.79.201X. They would use the line voltage tab of the CBCP tool for benchmarking equivalency performance.

Finally, based on stakeholder feedback, EPA has added an additional allowable variation for PAR30 lamps, which have a short (PAR30 or PAR30S) and long neck (PAR30L) version. PAR30 neck variations will now be listed as an allowable variation for sharing test data.

EPA appreciates any feedback from partners and stakeholders on these amendments by June 20, 2014. Questions or concerns can be directed to my attention at (202) 343-9042, or jantz-sell.taylor@epa.gov or lighting@energystar.gov.

Thank you for your support of ENERGY STAR.

Sincerely,

Taylor Jantz-Sell
ENERGY STAR Lighting Program Manager

Amendments to Current ENERGY STAR Lamps Specification

EPA is modifying sections of the Version 1.0 Lamps Specification to add the following language denoted in blue text. All other existing language remains unchanged, the amendments will be reflected in a Lamps V1.1 specification revision.

1. SPECIFICATION SCOPE & LAMP CLASSIFICATION

1.1 Included Products

The ENERGY STAR Lamps specification ("this specification") scope includes the lamp types intended to replace incandescent lamps as outlined in Table 1. The scope is limited to lamps with integrated ballasts and drivers intended to be connected to the electric power grid with the following ANSI standard base types: E26, E26d, E11, E12, GU16, GU24, GU5.3, and GX5.3. The scope is also limited to lamps with rated nominal operating voltages of 120, 240 or 277 VAC, or 12 or 24 VAC or VDC.

Table 1: Specification Scope and Classification

<table>
<thead>
<tr>
<th>Lamp Purpose and Performance Description</th>
<th>ANSI Standard Lamp Shape</th>
<th>Non-Standard Lamp Form Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Omnidirectional - Lamps intended for general purpose that meet applicable omnidirectional performance requirements in this specification</td>
<td>A, BT, P, PS, S and T</td>
<td>Self-ballasted compact fluorescent lamps (CFLs) intended to replace ANSI standard incandescent lamps that do not meet Lamp Shape Dimension requirements. The following self-ballasted compact fluorescent lamps are included:</td>
</tr>
<tr>
<td>- Bare spiral</td>
<td>- Bare mini-spiral</td>
<td></td>
</tr>
<tr>
<td>- Bare twin tube</td>
<td>- Bare triple tube</td>
<td></td>
</tr>
<tr>
<td>- Bare quadruple tube</td>
<td>- Covered CFLs</td>
<td></td>
</tr>
<tr>
<td>- Covered CFLs with reflectors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decorative - Lamps of common decorative shapes meeting applicable decorative performance requirements in this specification.</td>
<td>B, BA, C, CA, DC, F and G</td>
<td></td>
</tr>
<tr>
<td>Directional - Lamps meeting applicable directional performance requirements in this specification</td>
<td>R, BR, ER, MR, MRX and PAR</td>
<td></td>
</tr>
</tbody>
</table>

Standard form factor lamps must meet the ANSI standard lamp type dimensional requirements in the specification and may claim wattage and ANSI lamp type equivalency. All solid-state lamps must meet standard lamp dimensional requirements.

Note: As indicated in Lamps V1.0 section 3.1 - Considerations for Future Revisions, EPA has included the GU10 base and updated the center beam candlepower calculator (CBCP Tool) to support the certification of line voltage MR16 lamps with a GU10 base, pending the publication of ANSI C78.79-201x, which includes a maximum space drawing for this lamp.

Additionally, in response to a proposal from the National Electrical Manufacturers Association (NEMA), EPA is including an additional lamp shape specific to LED lamps, referred to as the MRX16 shape, which is proposed in the ANSI C78.50-201x publication.

Parties interested in seeing a draft of these standards may contact Karen Willis at Karen.Willis@nema.org.

1.2 Excluded Products

- LED lamps that could be mistaken for an A-lamp replacement (e.g. a G18.5 or G19 lamp), that do not meet the omnidirectional luminous intensity distribution requirements.
- Lamps, other than MR or MRX types, that operate only on an external (i.e. not integral to the lamp) ballast, driver or transformer, e.g. pin-based fluorescent lamps (linear and compact) or their solid-state replacements.
- Solid-state lamps intended to replace linear fluorescent or high-intensity discharge lamps.
- Lamps powered by an internal power source, e.g. solar-powered cell.
- Lamps incorporating power-consuming features in the on or off state which do not provide illumination (e.g. audio functions, air fresheners).
- Lamp technologies lacking applicable industry standardized methods of measurement.
- Lamps with bases not covered in ANSI standards.
- Zhaga compliant LED light engines.
ENERGY STAR Requirements

**SUMMER 2014**

**FEATURE Article**

**7.1 Product Variations**

**Table 2: Allowable Variations**

<table>
<thead>
<tr>
<th>Lamp Neck</th>
<th>Applicable to PAR36L lamps where the representative model has the shortest MOL, and the only component changed is the neck of the lamp. Changes to heat sink or driver are not allowed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>No changes to the lamp heat sink or other components are allowed. The construction difference between the PAR30 and PAR30L is the neck, the long neck version may be considered a different model. If the short neck version is tested, and the only component changed is the neck of the lamp, a variation may be considered a allowable variation. No changes to the lamp heat sink or other components are allowed.</td>
</tr>
</tbody>
</table>

**8. METHODS OF MEASUREMENT AND REFERENCE DOCUMENTS**

<table>
<thead>
<tr>
<th>ANSI</th>
<th>Reference Documents: ANSI C78.79-2011, C78.50-201x, C78.20-2003, C78.21-2011, C78.23-1995, C78.42-2011, C78.79-2010, C78.11-2010, C78.79-2010 Supplemental Testing Guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>C78.50-201x</td>
<td>Electric Lamps - Assigned LED Lamp Codes</td>
</tr>
<tr>
<td>C78.79-2011</td>
<td>Electric Lamps - Nomenclature for Envelope Shapes Intended for Use with Electric Lamps</td>
</tr>
</tbody>
</table>

**9.2 Light Output**

(Exemption: MR, MRX and PAR lamps)

**9.4 Center Beam Intensity: PAR, MR and MRX Lamps (Exemption: All Other Lamps)**

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>ENERGY STAR Requirements</th>
<th>Methods of Measurement and/or Reference Documents</th>
<th>Supplemental Testing Guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI Standard PAR, MR and MRX Shape Lamps</td>
<td>Lamp center beam intensity shall be greater than or equal to the center beam intensity value calculated by the ENERGY STAR® Lamp Center Beam Intensity Benchmark Tool for the referenced incandescent lamp. (<a href="http://www.energystar.gov/LampsCBCP">www.energystar.gov/LampsCBCP</a>)</td>
<td>Measurement (fluorescent): IES LM-66-11 Measurement (solid-state): IES LM-79-08 Reference Document: IES LM-54-12</td>
<td>Sample Size: One new unit. The sample may be the same unit for testing color angular uniformity as applicable. The reported value shall be the measured candela value rounded to the nearest whole number.</td>
</tr>
</tbody>
</table>

**14.1 Lamp Shape Dimensions: All ANSI Standard Lamps and GU-24 base Solid-state Lamps**

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>ENERGY STAR Requirements</th>
<th>Methods of Measurement and/or Reference Documents</th>
<th>Supplemental Testing Guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Omnidirectional ANSI Standard Lamps</td>
<td>Lamp shall comply with ANSI minimum overall length (min OAL), maximum overall length (MOL) and maximum lamp diameter values, where they exist.</td>
<td>Reference Documents: ANSI C78.20-2003</td>
<td>Sample Size: One unit per model. GU24 base lamps may exist.</td>
</tr>
</tbody>
</table>

**Note:** EPA has consistently made clear its objective not to award the ENERGY STAR label to products that emulate traditional incandescent bulbs that are most familiar to consumers (e.g. A19, A21) but fail to deliver the necessary light distribution to adequately replace currently installed lamps. Given the potential that certification of GU19 LED lamps under the decorative category undermines this objective, the Agency is explicitly excluding GU19 LED lamps.

**Note:** Based on stakeholder feedback, EPA has added an additional allowable variation for PAR30 lamps, which have a short (PAR30 or PAR30S) and long neck (PAR30L) version. If the short neck version is tested, and the only component changed is the neck of the lamp, a variation may be considered an allowable variation. No changes to the lamp heat sink or other components are allowed.

**Note:** References in multiple sections of the specification have been updated to include the MRX lamp type and pending ANSI reference documents.
**New PRODUCTS**

**Halo Lighting Technologies® Introduces ProLED® Smooth Black PAR Series**

Halo introduces the new ProLED Smooth Black PAR series lamps to expand the current line of PAR Series lamps. The new ProLED Smooth Black PAR series lamps feature a smooth sided, lightweight housing with an architectural black finish. The lamp’s black finish blends with dark colored luminaires and in applications with dark ceilings. ProLED Smooth Black PAR lamps encompass high power chip-on-board LEDs and improved construction that provides an efficient, high quality light source. Available in PAR30S, PAR30L and PAR38 lamp shapes, the ProLED Black PAR series lamps feature a single point light source that provides a consistent, familiar light output. The PAR38 and PAR30L lamps are UL wet location and IP65 Rated for indoor/outdoor application flexibility while the PAR30S lamp is UL damp location rated.

ProLED Smooth Black PAR series lamps are available in 2700K color temperature, 82 CRI and Flood beam angles. Dimmable to expand the current line of PAR Series lamps.

**Halo Lighting Technologies® Showcases ProLED® Decorative Chandelier Series**

Halo Lighting Technologies’ ProLED Decorative Chandelier series lamps provide the look and feel of traditional Incandescent Torpedo and Flame Tip lamps while providing the benefits of an LED lamp. ProLED Decorative Chandelier lamps’ unique “Heat-to-Base” design allows heat to be dissipated through the base of the lamp minimizing the need for a visible heat sink. This design allows for LED technology in a traditional B10 Torpedo or CA10 Flame Tip shape providing a more appealing, natural look. ProLED Decorative Chandelier lamps 2400K or 2700K color temperatures help create an environment where a warm aesthetic and inviting ambiance is desired. The specially designed light tower mimics the light distribution of a standard Incandescent lamp providing warm, soft and even illumination.

ProLED Decorative Chandelier lamps are IP65 Rated; making them a natural replacement or retrofit for indoor and outdoor hospitality and sconces applications where the lamp is visible. The lamp’s long 25,000 hour life, which is over 8 times as long as an Incandescent lamp, reduces labor and maintenance costs. ProLED lamps contain no mercury, emit no ultraviolet or infrared rays and are UL listed and RoHS compliant. ProLED Decorative Chandelier lamps are backed by a 5-Year Limited Warranty.

**Lutron Introduces Mobile Connectivity Solution for its Caseta Wireless Dimmers and Serena Battery-Powered Shades**

The new lamps are manufactured to the same high standards for quality and reliability that customers have come to expect of all Keystone products, so customers can buy with confidence. Furthermore, when Keystone lamps are installed with Keystone ballasts, Keystone automatically extends the lamp warranty from 2 years to 3 years.

“We are so confident in the quality of our new lamps that we are offering an unheard of promotion” said Josh Brown, Vice President of Distributor Sales. “Any distributor that places a $1,000 bulb or retrofit kit order will be able to choose a free case of Keystone lamps.”

**Lutron Smart Bridge Pro compatible products offer a robust home control solution**

1. Caseta Wireless in-wall dimmers provide control of overhead lights and work with the newest energy-saving bulbs, including dimmable LEDs, dimmable CFLs, halogens, magnetic low-voltage loads, and incandescents. Dimmers do not require a neutral wire, allowing them to easily replace an existing light switch.

2. Caseta Wireless lamp dimmers plug into a standard wall receptacle and provide control of table and floor lamps that use the newest energy-saving bulbs, including dimmable LEDs, dimmable CFLs, halogens, magnetic low-voltage loads, and incandescents. For added convenience, the Caseta Wireless lamp dimmer features two lamp receptacles, allowing two lamps to be controlled simultaneously.

3. The Pico battery-powered remote control features a 10-year battery life, works with Caseta Wireless dimmers and Serena shades. The Pico remote can be used as a hand-held remote, affixed to the wall or to a car visor, or placed on a tabletop pedestal.

4. Serena battery-powered, remote control shades add privacy and offer convenient control of windows up to 10’ tall in both honeycomb and roller shade styles (8’ x 8’ for honeycombs, 8’ x 10’ for rollers). Shades are powered by standard, D-size batteries and offer a three-year battery life (based on two “ups” and two “downs” per day).

5. The Lutron app (available early summer) provides simple set-up and intuitive control of all connected devices and is used to create and schedule timeclock events and basic scenes from anywhere.

6. The telligent™ LED bulb bulb by GE® is embedded with Lutron’s Clear Connect Wireless technology and controlled by a Pico wireless remote. The bulb will be available late 2014.

**New Lutron Smart Bridge Pro and App Enables Dealers and Integrators to Expand their Business**

Giving clients the ability to adjust their lights and window shades from a smart phone has never been more easy, more reliable, or affordable. Lutron Electronics, maker of energy-saving wireless light and shade controls, today announced the Lutron Smart Bridge Pro – a wireless bridge that connects Lutron’s Caseta® Wireless dimmers, Pico® remote controls, Serena™ remote-controlled shades, and third-party devices to a new Lutron app, providing convenient home control from iOS and Android-based smart phones.

The professionally-installed Lutron Smart Bridge Pro, embedded with Lutron’s powerful Clear Connect® Wireless technology; plugs directly into a home’s Wi-Fi router and sends wireless, radio frequency (RF) communication signals to Caseta Wireless dimmers and Serena shades. The Lutron Smart Bridge Pro is easily paired with the new Lutron app with the press of a button, allowing dealers to install and setup a system in less than 30 minutes. Simply connect the bridge to the Wi-Fi router, install Caseta Wireless dimmers and Serena shades in key areas of the home, and pair these products with the Lutron app for intuitive, smart phone control. The Lutron Smart Bridge Pro lets dealers offer lighting and shade control from anywhere inside or outside the home, enhancing home security and personal safety, and providing home automation at an affordable cost. The app can be used to dim lights just before the start of a movie, to turn lights on from the car when arriving home, to close shades from the office, or close shades and turn off lights from the airport – all from a smart phone.

Lutron Smart Bridge Pro compatible products offer a robust home control solution.
High Bay Applications
and Global Compliancy for LED Luminaires Offers Greater Efficacy

GE Lighting has expanded its award-winning Albeo™ LED high bay lighting portfolio to offer greater efficacy than previous generations and to meet the latest global standards. 

GE’s Albeo™ ABH2-Series and ABHG-Series LED Luminaires offer an ideal modular lighting solution for retrofit and new construction of warehouses, manufacturing facilities, cold storage, sports arenas, convention centers and other commercial spaces with high ceilings. With greater foot-candle performance and a life rating of 100,000 hours at L70, the new LED lighting fixtures help to increase light levels while reducing lighting energy costs and associated maintenance.

Featuring a configurable design that can accommodate up to six LED modules, the ABH2-Series LED Luminaire is a one-to-one replacement for ABHX-Series models. It is available in 15 lumens packages that deliver more light while consuming less energy than ABHX, resulting in shorter paybacks for end users. The ABHG-Series offers a customizable design that can accommodate up to four modules, is available in a CE-certified version and optimizes the LED system inside the fixture to yield even greater energy efficiency.

The new LED lighting fixtures feature the same innovative heat-sinking and improved LED technology, as well as various lensing options to provide optimized illumination with minimal glare and improved uniformity for open floor and racked aisle environments. The fixtures’ strong, durable aluminum housing also make them ideal for manufacturing and sporting environments where harsh conditions and traveling debris can interfere with and damage lighting structures.

Both LED lighting fixtures can replace a range of legacy high bay lighting systems—250-watt to 1500-watt high-intensity discharge (HID) and four- to eight-lamp T5/T8 high-intensity fluorescent lighting, which typically burn out after 20,000-30,000 hours. They can be paired with motion, daylight and wireless controls for even greater energy savings and lower maintenance costs.

Lutron and ecoInsight Integrate Their Leading Software Apps to Streamline Lighting Control Retrofit Projects

Lutron Electronics is training up with eclosure, the maker of the world’s most advanced lighting upgrade software, to make it easier for lighting professionals to add Lutron lighting control solutions to every project. Integrating eclosure’s lighting upgrade software with the Lutron Energi Advisor™ app ensures lighting professionals that they are selecting the optimal Lutron controls for their lighting retrofit projects.

In an era of rising energy costs, energy efficiency has become paramount to organizations who wish to control costs and improve their bottom line. Upgrading inefficient lighting is a proven strategy for reducing energy consumption and making a building more energy efficient. A key component of that strategy is implementing lighting controls, which can both improve the quality of the lighted environment and help maximize the financial benefits of the overall lighting upgrade.

The Lutron Energi Advisor-eclosure integration is designed for lighting professionals who operate in the lighting retrofit market. “Today, eclosure users spend extensive time selecting the correct lighting controls for their projects. Our alliance with Lutron will allow eclosure users to leverage the power of the Lutron Energi Advisor app from within our solution,” says eclosure’s CEO, Sean McGlokey. He adds, “The integration we are building with Lutron will reduce the time it takes to specify lighting controls. We believe that this time savings will provide a significant competitive edge to our users.”

With just minimal project information from eclosure, such as room size, number of fixtures, type of fixtures and existing controls, and financial data, such as local electric utility rates, rebates, and labor rates, the Energi Advisor App provides users with a bill of materials, anticipated energy savings, and anticipated return on investment. The Energi Advisor app returns a lighting controls solution, based on Lutron’s devices, minimizing the level of system design expertise needed. Overall audit and design time can be reduced by more than 40%.

Integrating the Energi Advisor App with the eclosure software simplifies the auditing and specification process for distributors and contractors and gives them the ability to quickly and easily specify our innovative and cost-effective wireless lighting control solutions,” said Lutron President Michael W. Pesina. “We’re pleased to be working together with eclosure to offer this powerful sales tool to save energy and improve the comfort and overall well-being for our customers,” he said.

The eclosure integration with Lutron’s Energi Advisor will be available in mid-2014.

The Arcalux® Health Risk Management System (HRMS) stole the show at the National Association of Independent Lighting Distributors (NAILD) conference April 6-9th. In a field of participants including top manufacturers like Philips Lighting North America and Orami Sylvanitia, first time vendor entrant American Green Technology® (AGT) won the top prize for the best overall product with the HRMS during the Product Showcase.

“The NAILD conference attracts independent lighting distributors and key suppliers who are looking to do business with people who provide lighting solutions,” said Paul Hafer, Education Consultant for NAILD. “When I first approached the AGT booth, I thought I was looking at a typical 2 x 4 troffer. What I learned was that this was a health care tool that could protect patients from MRSA, Staph and other dangerous pathogens. And even more than that, this fixture is consistent with today’s modern building architecture, where the focus is to make buildings healthier. It was no wonder that AGT took the best overall product category by an overwhelming margin.”

“We were thrilled with the win for best product,” said Meredith Jimenez, AGT’s Corporate Communications Director. “We are extremely grateful to the distributors who voted for the HRMS. During the showcase presentations, we felt we had generated some interest because we knew we had a unique product going in to the conference, but we never dreamed we would come out on top. We’re thankful to the NAILD team for allowing us the opportunity to experience this as a new member.”
The Arcalux® HRMS is a ceiling mounted air disinfection system that offers 24/7/365 protection from Healthcare Associated Infection (HAI) causing pathogens. Clinically proven to eliminate HAIs like MRSA, Staph and Serratia to 99.7%, the HRMS is an unobtrusive option that is easy to install and requires minimal annual maintenance.

Hospitable infections are a leading concern for medical professionals and patients. According to the Centers for Disease Control and Prevention, approximately one in every 25 U.S. hospital patients acquire at least one infection during treatment. The CDC estimates that 1.7 million HAIs, from all types of bacteria combined, cause or contribute to 99,000 deaths each year and is now the fourth leading cause of death in the United States, greater than Breast Cancer, AIDS and Automobile Accidents combined.

.focus on energy incentive - US lamp Projects

The Chippewa Falls Area Unified School District was recently recognized with a Focus on Energy incentive check presentation at the 16th Annual WASBO Facilities Management Conference in Wisconsin Dells on March 14, 2014. This Focus on Energy incentive of $55,438 was presented to the School District of Crandon for energy projects done by the district. The check presentation was held at the 16th Annual WASBO Facilities Management Conference in Wisconsin Dells on March 14, 2014.

LED Bulb Efficiency Expected to Continue Improving as Cost Declines

Technology improvements for general service lighting, driven by federal efficiency standards, are leading to increased reliability and bulb life. As efficiency increases, residential electricity consumption for lighting declines over time. Although the initial purchase price is higher for more efficient technologies than for traditional bulbs, significant savings are achieved over the life of the bulb (also called a lamp).

Lighting standards mandated by the Energy Independence and Security Act of 2007 affect general service lighting, the bulbs most commonly used for residential lighting. By 2020, EIA projects LEDs to produce more than 150 lumens per Watt. This illustrates the Focus on Energy incentive of $66,700 to the School District of Crandon for energy projects done by the district. The check presentation was held at the 16th Annual WASBO Facilities Management Conference in Wisconsin Dells on March 14, 2014.

Decreasing prices for more-efficient lighting technologies, aided by state and local incentives and the new standards, are leading to increases in the average efficiency of installed lighting equipment over time. Improvements in bulb life make it more likely that traditional incandescent lamps cannot meet. An additional round of standards taking effect in 2020 will likely be too stringent for halogen incandescent lamps to meet, and major manufacturers have already focused development on more-efficient technologies.

The efficiency (also called efficacy—the light output per unit of energy consumed) of incandescent lamps has increased only moderately since the introduction of the first commercially available incandescent lamps more than a century ago. Typical 60-Watt incandescent lamps produce only 16 lumens of light output per Watt with useful lifetimes of 1,000 hours on average, while a comparable halogen incandescent lamp may produce closer to 20 lumens per Watt. An equivalent compact fluorescent lamp (CFL) provides about 76 lumens per Watt and lasts 10 times as long. Solid-state light-emitting diode (LED) lamps are even more efficient—currently producing around 83 lumens per Watt—for 75-Watt and 100-Watt equivalent incandescent lamps, which follow prior standards for 75-Watt and 100-Watt lamps. Between now and 2020, halogen incandescent lamps will be able to comply with applicable standards for general service lighting—a standard that traditional incandescent lamps cannot meet. An additional round of standards taking effect in 2020 will likely be too stringent for halogen incandescent lamps to meet, and major manufacturers have already focused development on more-efficient technologies.

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NAILD MISSION STATEMENT:
Providing the opportunity to grow your business profitably. Through education, networking and technology, NAILD continues to be extraordinary in the lighting industry.

EDUCATIONAL TRAINING OPPORTUNITIES

Advance University
800.322.2086

NAILD Lighting Specialist Program
call 716.875.3670 or
e-mail info@naild.org

Osram Sylvania
978.750.2464

Universal Lighting
e-Learning Center
www.unvlt.com

The Philips Lighting
Technology Center
752.565.5600

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Halco Lighting Technologies

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Lighting Unlimited
Pacific Lamp & Supply
Premier Lighting
C.N. Robinson Lighting Supply
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