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NOVEMBER 2008

Rocky Mountain Monthly

IESNA ROCKY MOUNTAIN SECTION

WWW.IESRMS.ORG

WHITE MAY NOT BE RIGHT

A crowd favorite over the years, David Keith is back with a new presentation. In November, David joins us to speak about proper lamp application and use.

David Keith, principal of Marshall Design, Inc., is a lighting consultant with over twenty years experience in design, research and education. He has worked on a wide range of issues related to lighting, from designing public and private lighting projects and doing original research into lighting and energy issues to writing ordinances and testifying in legal

cases. He was the principal author for revisions to the IESNA *Lighting Fundamentals* course, and has taught both interior design and engineering students at local colleges.

He has been active member of the IESNA Roadway Lighting Committee for twenty years, recently served on the IESNA Technical Review Council and Education Review Council, and is a Fellow of the IESNA.



Register for this meeting right now!



Click here to be automatically directed to the registration website.

WHITE NOT RIGHT MEETING DETAILS

Date: Tuesday, November 11, 2008

Location: Original Brooklyn's

Time: 5:30pm

Deadline for RSVP is Monday, November 10

Cost: \$20 Members
\$30 Non-Members
FREE Students

Students attend free thanks to...



DIRECTIONS?
CLICK HERE



Wisdom,

Wonders,

and

Wit

Achooism

Photic sneeze reflex is a genetic autosomal dominant trait, which causes sneezing when exposed suddenly to bright light, possibly many times consecutively. It is also referred to as photic sneeze response, sun sneezing, photogenic sneezing, the photosternutatory reflex, being photo sensitive, ACHOO syndrome, and "Achooism," with its related backronym Autosomal dominant Compelling Helio-Ophthalmic Outburst syndrome. The condition affects 17 to 35 percent of humans. The first mention of the phenomenon is probably in the later work attributed to Aristotle (Problems, book XXXIII).

The probable cause is a congenital malfunction in nerve signals in the trigeminal nerve nuclei. The fifth cranial nerve, called the trigeminal nerve, is apparently responsible for sneezes. Research suggests that some people have an association between this nerve and the nerve that transmits visual impulses to the brain. Overstimulation of the optic nerve triggers the trigeminal nerve, and this causes the photic sneeze reflex.

In addition this sneeze reflex can be brought on by a sudden inhaling of cold air or a strong flavor such as a strong mint gum. This implies an overstimulation of any nerve close to the trigeminal nerve can cause the sneeze reflex.



EDUCATION
INFORMATION

ED-100 Class Now Offered

The Rocky Mountain section is offering the ED-100 Fundamental Lighting course as part of the ongoing efforts of the IESNA to promote education in the art and science of lighting.

The ED-100 course is an introductory survey of the principal issues in lighting. Vision, color, and the physiology of the eye are included, as well as basic illumination terminology. Sources, photometry, and calculations are discussed, and further information about economics and specific applications will be provided. The course materials are included with the registration fee and available to early registrants for advance study. The *Ready Reference*, a great desktop book, is also included.

The instructors will be David Keith and Scott Payne, with additional guest instructors and an extensive set of samples and demonstrations.

Dates are yet to be determined, based on interest and schedules. This course will occur sometime in March.

At this time, we are requesting those who have an interest in this course to notify us via e-mail, so that we can get an estimate of the number of attendees.

Questions, comments, and inquiries can be e-mailed to educate@iesrms.org.



Stamford, Connecticut to Get Darker

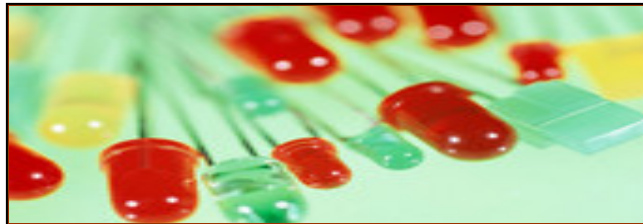
Stamford officials are considering shutting down about half the street lighting at night to cut down electrical bills. Under one proposal, city engineers are considering shutting down about half the street lights between midnight and dawn starting next year.

City Engineer Louis Casolo says at this point, it's just a concept idea, but it's definitely a smart thing to consider. Casolo says the change would not be considered for downtown streets that are busy at night.

Under the proposal, about half the city's 9,600 street lamps could be outfitted with timers. One official says the proposal could save the city \$250,000 a year or more.

The United States Department of Energy Announces R&D Implementation on LED's

The U.S. Department of Energy (DOE) is working in close collaboration with research and industry partners to increase energy efficiency in buildings by pursuing new and evolving lighting technologies and practices.



The conversion of electricity into useful light is one of the least efficient energy conversion processes in buildings today. Advanced lighting technologies can significantly improve the energy efficiency of lighting and reduce building energy consumption and costs.

Building Technologies Program's zero energy goals.

Still, a mix of lighting solutions will be needed to meet our nation's near-term and long-term needs. Spectrally enhanced lighting is a simple strategy that uses existing products and technology to significantly reduce energy use in commercial buildings.

Energy consumption for all lighting in the United States is estimated to be 8.2 quads,

or about 22% of the total electricity generated in the country. More than half of the energy is consumed in the commercial sector, where lighting coincides with peak electrical demand and contributes to a building's internal heat generation, increasing air-conditioning load.

Consumers and businesses spend approximately \$58 billion per year to light their homes, offices, streets, and factories.

[CLICK HERE FOR MORE INFORMATION FROM THE USDOE WEBSITE](#)

White May Not Be Right

Original Brooklyn's

November 11

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2008-2009

Upcoming Section Events

Daylighting Design Expo

Original Brooklyn's

March 10

As the world turns to energy savings, we invite exhibitors to share new innovations in daylighting products along with a discussion on designing with daylight.

Holiday Lights Tour

Belmar Plaza

December 9

Bring along your friends and family for a FREE EVENT as we enjoy hot chocolate and snacks, and take a tour of the highlights of holiday lights around Belmar!

LED Expo

Original Brooklyn's

February 10

Join us as we invite manufacturers to bring you the latest products and technologies in the LED industry along with demonstrations and discussions on the industry.

Denver After Dark

Union Station

April TBA

This April we return as one of the highlights of the Doors Open Denver event; an exclusive look at lighting downtown from a unique perspective.

BART (the San Francisco Bay Area Regional Transit division) will spend up to \$782,000 to install energy-efficient lighting at the 16th and 24th Street stations in San Francisco's Mission District, but officials expect to make that money back and save even more, agency officials said Thursday.



The project calls for the replacement of 2,000 lighting fixtures and lighting controls and the installation of emergency lights. BART, which powers the stations and trains with electricity, expects the new lighting will save the agency \$167,000 annually in reduced energy costs. As part of a joint program of Pacific Gas and Electric Co. and the Association of Bay Area Governments, BART will get a \$313,000 rebate. That amount was figured into the \$782,000 price tag for BART.

BART officials project \$2.1 million in savings over the life of the fixtures.

Philippines on the Move Towards Energy Efficiency

MANILA, Philippines - The Philippines Energy department is seeking distribution method proposals for a state-sponsored energy-efficient lighting program.

The initial stage will see the distribution of five million compact fluorescent lamps (CFLs) to replace incandescent bulbs in Metro Manila and the cities of Cebu, Cagayan de Oro and Davao.

The scheme is in line with the Philippine Energy Efficiency Project (PEEP), which seeks to provide direct economic benefits by reducing energy demand.

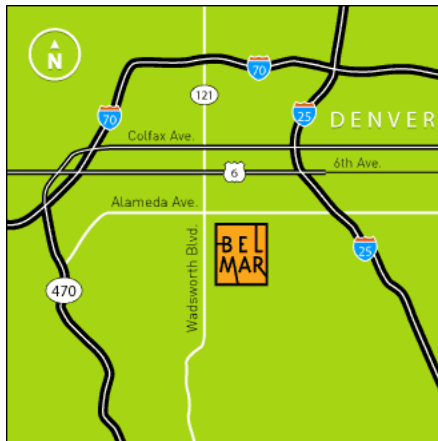
The project's main features is the replacement of 13 million incandescent bulbs with CFLs to realize the following benefits: cut peak demand by 450 megawatts (MW), cut oil imports by \$120 million each year, save on power generation cost by as much as \$300 million, clean development mechanism revenues of about \$10 million for 2010-2012, and create an energy-efficient market.

PEEP is a part of the SWITCH Movement, an energy conservation campaign launched by President Gloria Macapagal-Arroyo on July 16.

SCHEDULE CHANGE

Our December event has changed! On December 9, we will be hosting a FREE event at the Belmar Plaza in Lakewood. This family night will include ice skating, hot chocolate, and a guided tour of the architectural lighting at Belmar.

Belmar is located at 405 S. Teller Street. We encourage you to bring all of your family and friends along for this fun evening of holiday enjoyment.



DON'T FORGET TO VOTE
Tuesday, November 4



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