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SEPTEMBER 2008

# Rocky Mountain Monthly

IES ROCKY MOUNTAIN SECTION

WWW.IESRMS.ORG

## Lamps and Ballasts kick off calendar year

With a grand kick-off to a new year, the 2008-2009 program year will begin with an open forum of lamp and ballast manufacturers. Presenting their latest technology and the newest products on the market, several manufacturers will have tabletop demonstrations and samples available to check out. Additionally, each representative will present a short review of their latest product solutions, and what to expect from their product line in the coming months. A heavy appetizer dinner will be provided in the second portion of the evening, along with the presentations.

Here is a partial list of manufacturers who will be joining us with tabletop displays...



## LAMP and BALLAST MEETING DETAILS

Register for this meeting right now!



Click here to be automatically directed to the registration website.

**Date:** Tuesday, September 16, 2008

**Location:** Original Brooklyn's

**Time:** 5:30pm

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

Students attend free thanks to...



DIRECTIONS?  
CLICK HERE



# Wisdom, Street Lighting

Wonders,

and

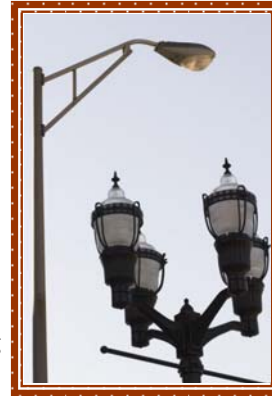
Wit

Street lights are not normally intended to illuminate the driving route, but to reveal signs and hazards outside of the headlights' beam. Because of the dangers, roadway lights are properly used sparingly and only when a particular situation justifies increasing the risk. This usually involves an intersection with several turning movements and much signage, situations where drivers must take in much information quickly that is not in the headlights' beam. In these situations (a freeway junction or exit ramp) the intersection may be lit so that drivers can quickly see all hazards, and a well designed plan will have gradually increasing lighting for approximately a quarter of a minute before the intersection and gradually decreasing lighting after it. The main stretches of highways remain unlighted to preserve the driver's night vision and increase the visibility of oncoming headlights. If there is a sharp curve where headlights will not illuminate the road, a light on the outside of the curve is often justified.



If it is desired to light a roadway (perhaps due to heavy and fast multilane traffic), to avoid the dangers of casual placement of street lights it should not be lit intermittently, as this requires repeated eye readjustment which implies eyestrain and temporary blindness when entering and leaving light pools. In this case the system is designed to eliminate the need for headlights. This is usually achieved with bright lights placed on high poles at close regular intervals so that there is consistent light along the route. The lighting goes from curb to curb.

Research a few years ago suggested that by comparison to other countries, more pedestrians are hit by motor vehicles at night in Britain. The theory behind this was that Britain almost exclusively used low pressure sodium street lighting (LPS); unlike the rest of the world that use mercury vapour gas discharge lighting. This was most noticeable when flying in from Europe at night and seeing a warm orange glow when approaching Britain. LPS lighting, being monochromatic, shows pedestrians as shadowy forms, unlike other forms of street lighting. In recognition of this, pedestrian crossings are now lit by additional "white" lighting, sodium lighting is being replaced by modern types.



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## A New Vision for IES!

IES is a forum for the exchange of ideas and information, and a vehicle for its members' professional development and recognition. Through technical committees, with hundreds of qualified individuals from the lighting and user communities, IES correlates research, investigations, and discussions to guide lighting professionals and lay persons via consensus-based lighting recommendations. The Society publishes nearly 100 varied technical publications, and works cooperatively with related organizations on a variety of programs and in the production of jointly published documents and standard.

Local IES Sections and many lighting corporations offer formal educational programs on lighting, utilizing material developed by IES. Sections offer programs related to specific applications based on IES standards - seminars on sports and recreational lighting, lighting industrial facilities, roadway lighting, museum lighting, to name a few. Virtually every curriculum devoted to lighting - from beginner to advanced - includes IES educational materials.

IES is almost 10,000 members strong. Its members work with lighting in a variety of capacities - lighting designers, architects, interior designers, government & utility personnel, engineers, contractors, manufacturers, distributors, researchers and educators - throughout the United States, Canada, Mexico - and around the world. They share a common interest in lighting, and a common desire to promote the use of the latest, most innovative lighting technologies, with a focus on judicious use of energy in all lighting applications.

### Mission Statement:

The IESNA seeks to improve the lighted environment by bringing together those with lighting knowledge and by translating that knowledge into actions that benefit the public.



### Vision Statement:

The IESNA will build upon a century of excellence to create the premier lighting community dedicated to promoting the art and science of quality lighting to its members, allied professional organizations, and the public.

EDUCATION  
INFORMATION

2008 SALC  
comes to Denver

Denver is the host city for the 2008 Street and Area Lighting Conference (SALC), and we couldn't be more excited about it. The SALC comes to the Marriott Denver City Center October 12-15, with lots of classes, lectures, and exhibits. This year's conference is jam-packed with information and education.

An extensive offering of classes are available, covering everything from emerging technologies, design software, lighting for municipalities, and lots of information on LEDs. And there are classes for every level, from basic to advanced. Additionally, every class is accredited for CEUs, LUs, and Professional Development Hours.

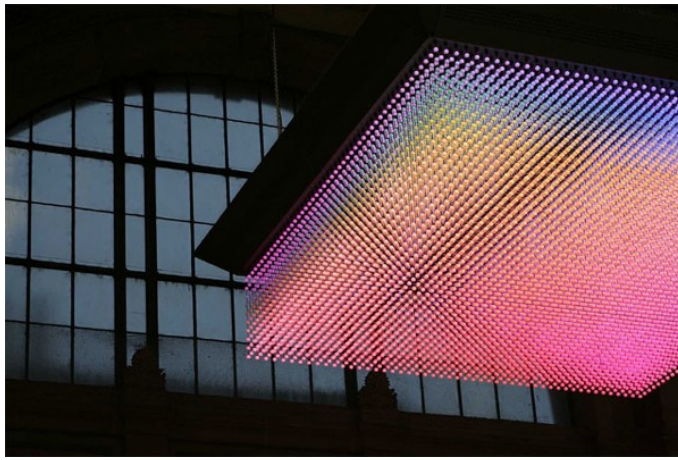
More than 40 exhibitors will be on hand for the exhibit hall trade show, open throughout the conference, showing the latest in street and area lighting products as well as new technologies. There's even an SALC golf tournament taking place at Fossil Trace for those who are interested!

Register for the entire conference, or just one day of classes. Or chose to just attend the exhibit hall or even just one of the classes! Flexible registration and exciting topics are sure to make this a "must see" event here in Denver. Plus, with the discounts for IES members, first time attendees, and multiple registrations from the same company, the deals are endless! Be sure to sign up today! Click the link below for registration paperwork.

[Register Online NOW!](#)

# The Swiss love LED's

You know we love the crazy light fixtures, and it doesn't get much crazier than the NOVA, a 3D LED display developed by the Swiss Federal Institute of Technology for its 150th birthday. Each of the 25,000 suspended lights contains 12 LEDs, and it's capable of pumping out 16M colors at 25fps. It's on display in Zurich until September 2009 (and we hear it might make an appearance at Wired's NEXTFEST), but if you're thinking about nabbing it for yourself, you'd better bring a crew -- it weighs in at over three tons. Special thanks to Lea Steele of Westview Productions for sending IESRMS this info.



## Police Thwart Pole Theft

Police in Mineola, New York say a dimwitted scheme to steal light poles from a village storage yard has resulted in two arrests on Long Island. Nassau County Police Lt. Ray Cote said Wednesday that neighbors noticed two men carving up the aluminum poles with a cordless power tool and stashing them in a van under the cover of darkness. He says plainclothes officers arrived and caught the thieves in the act.

Cote says the government pays about \$1,000 for a light pole—and thieves can get about \$150 apiece by selling them for scrap metal. He says there are growing efforts to crack down on such metal thefts.

Police say John Baumann and Stephen Freitas - both Mineola residents - are charged with fourth-degree grand larceny.



(© 2008, The Associated Press)

## Report from the Treasurer



The LIGHTING AUTHORITY

Dear Members and Friends of the Rocky Mountain section,

I am pleased to present the second edition of Rocky Mountain Section Annual Report. We create this report to give you an at-a-glance summary of our previous program year, including a summary of revenue and expenditures, education classes and enrollment, membership breakdown, as well as our goals for the upcoming year.

Please take a minute to look over this year's report, which is available on our website. Just click on the image below.

Sincerely,

Val Lawrence,  
Treasurer 2007-2009



WELCOME

NEW SECTION

MEMBERS

Todd J. Aussem  
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Lighting Science Group – Westminster

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Farnsworth Group – Colo. Springs

Gloria G. Kilpatrick  
University of Colorado – Boulder

**Lamps & Ballasts Expo**  
*Original Brooklyn's*  
September 16

We kick off the 2008-2009 season with our traditional Lamp & Ballast Expo, bringing you the latest technology and updates from the greatest manufacturers.

**2008-2009**  
**Upcoming**  
**Section Events**

**Holiday Lights Tour**  
*Union Station*  
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 Downtown Denver!

**Outdoor Lighting Bus Tour**  
*Marriott Denver City Center*  
October 11

On Saturday, we welcome members of the Street and Area Lighting committee to join us for a double-decker bus tour of street lighting in the Denver metro area.

**White May Not Be Right**  
*Original Brooklyn's*  
November 11

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

**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.



# 2008 SALC In Denver

October 12-15, 2008

Register now for the 27<sup>th</sup> Annual IES Street and Area Lighting Conference, hosted this year at the Marriott Denver City Center in Downtown Denver! Conference includes:

- courses and sessions approved for Continuing Education credits (CEU, LU, and Professional Development Hours)
- full conference fees include continental breakfast, lunch, and breaks each day
- discounts for IES members, first time attendees, and 3+ company attendees
- opportunity to network with your colleagues in classroom and small breakout sessions
- apply real solutions to your business challenges
- learn about the latest new products and services from the industry's leading suppliers

**Register Online NOW!**

## THANKS, golf sponsors!

We can't mention enough how important our sponsors are. This year, 100% of them were repeating sponsors!

Please be sure to tell them thanks! It is because of these great firms that we are able to offer the diverse education and increased programming that we have available to our members!

**Creative Illuminations**  
**GE Lighting**  
**George Lacey Sales**  
**Holophane**  
**Power Management Systems**



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