

LUMEN PRESS

Cleveland Section - Serving Akron & KSU Student Chapters

Officers:

Dyke Riffle, *President*
440-543-8257 Fax: 440-543-7236
cybrdyke@ix.netcom.com

Jason Brown, LC, *Vice-president*
216-464-0220 Fax: 216-464-9572
jbrown.lla180@lighting.net

Rich Rutledge, *Secretary*
216-875-4000
rlr@hwhaep.com

Wendy Turkuc, *Treasurer*
440-953-8760 Fax: 440-953-1289
wturkuc@tecinc1.com

Ex-Officio:

Brian David, PE, LC,
216-391-3700 Fax: 216-391-0108
bdavid@karpinskieng.com

Board of Managers:

Terry Kilbourne, LC
440-953-8760 Fax: 440-953-1289
tmkilbourne@tecinc1.com

Sean Cunningham
216-464-0220 Fax: 216-464-9572
scunningham.lla180@lighting.net

Bob Doherty
330-773-0200 Fax: 330-773-2153
bdoherty@wolffbros.com

Jill Varley
330-665-9090 Fax: 330-665-9191
jill@lightingdynamicsinc.com

Alfredo Lopez
216-391-3700 Fax: 216-391-0108
alopez@karpinskieng.com

Ken Koos
440-543-8026 Fax: 440-543-8820
ekk@omtlc.net

Great Lakes Regional VP:

Craig Kohring
419-893-3141 Fax: 419-893-0687
ckohring@mdaengr.com

IES @ The Lizard



Join us at the Winking Lizard Tavern in Independence. The Cleveland Section of IES is inviting new members, old members, as well as those interested in becoming members for an opportunity to meet IES members, network with colleagues and peers, relax and have fun.

Excellent appetizers will be provided. Cash bar will be open all evening.

Lighting Dynamics, Inc. is sponsoring this event. Drop a business card to get entered into a drawing for a **\$250** gift card at



Winner must be present.

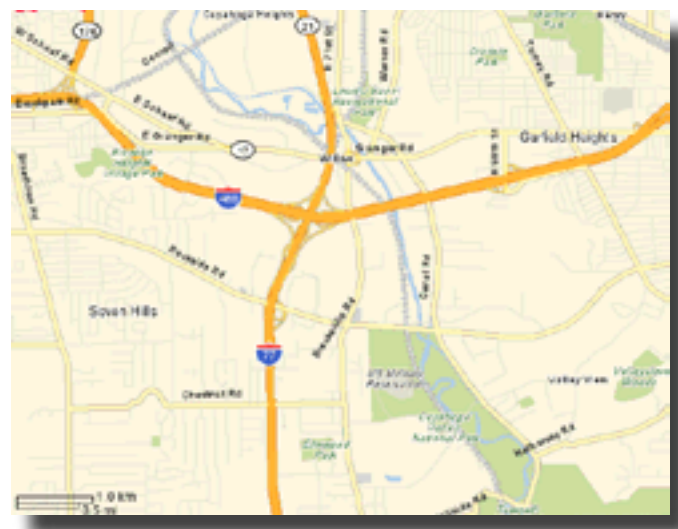
Where: Winking Lizard Tavern
6901 Rockside Rd # 9
Cleveland, OH 44131

When: Wednesday, September 28th
from 5:30 pm

Cost: FREE, *prospective members are welcome and encouraged to attend*

Cash Bar

RSVP
by September 23rd
Wendy Turkuc
440-953-8760
wturkuc@tecinc1.com



Thin is in...

ZERO PLENUM

Troffer

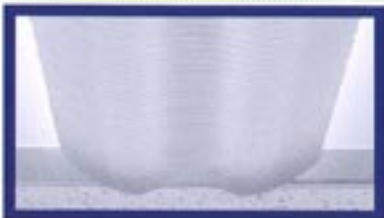
Features

- Housing depth of only 1 1/2" for a luminaire no taller than standard T-Bar rails.
- Does not intrude into usable plenum space.
- Employs T5 or T5 HO technology for high efficiency and high performance.
- Available in 2x4, 2x2, and 1x4.
- Multiple shielding options above and below the ceiling plane include injection molded baffles, perforated diffuser, or linear prismatic lens with high-transmission surface relief diffuser film.
- Optional reflector inserts offer a choice of aesthetics.
- Unique telescoping housing minimizes installation depth and simplifies installation.
- Soft, uniform light distribution provides excellent vertical illumination free from harsh contrast.
- UL listed 1598.
- Damp label available on most models.

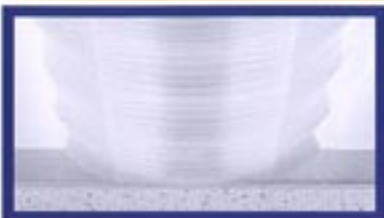
Shielding Options



Flush Curved Baffle



Descending Curved Baffle



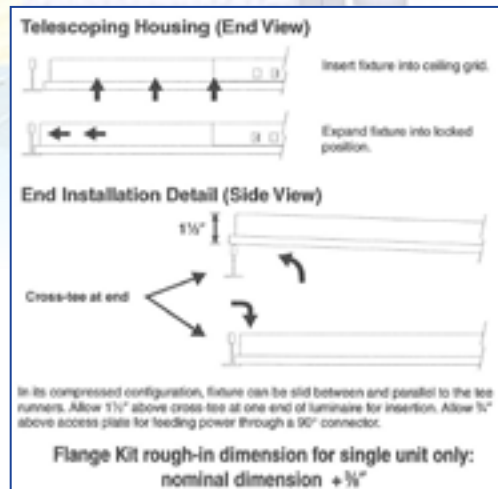
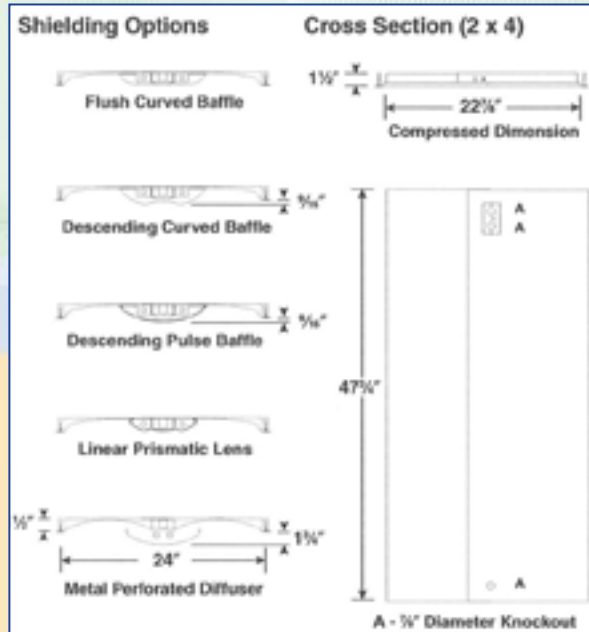
Descending Pulse Baffle



Lens with Surface Relief Diffuser



Metal Perforated Diffuser



Reflector Options



Ribbed Swept Wing Reflector



Open Reflector



Smooth Swept Wing Reflector

lighting Dynamics inc

Rick Coberly
rick@lightingdynamicsinc.com
Kevin Wood
kevin@lightingdynamicsinc.com
Jill Varley
jill@lightingdynamicsinc.com
Robert Lombardi
rjlhl@ameritech.net
Darren Mullins
darren@lightingdynamicsinc.com

3700 Embassy Pkwy #130
Akron, OH 44333
ph 330.665.9090
fx 330.665.9191



Committee Chairs:

Education: Sean Cunningham
216-464-0220 Fax: 216-464-9572
scunningham.lla180@lighting.net

Cleveland Technical Societies Council:
Lew Sternberg, LC
216-831-6530 Fax: 216-831-6542

Membership: Gene Schleicher
216-621-6631 x14 Fax: 216-621-0439
eschleicher@austrianassociates.com

Programs: Alfredo Lopez
216-901-6711 Fax: 216-901-0108
alopez@karpinskieng.com

IIDA: A.J. Mazza
216-901-6711
aj.mazza@iec-inc.cc

Public Relations: Dyke Riffle
440-543-8257 Fax: 440-543-7236
cybrdyke@ix.netcom.com

Historian: Brian David, PE, LC
216-391-3700 Fax: 216-391-0108
bdavid@karpinskieng.com

Reservations: Wendy Turkuc
440-953-8760 Fax: 440-953-1289
wturkuc@tecinc1.com

Lumen Press: Adam Kilbourne
440-953-8760 Fax: 440-953-1289
abkilbourne@tecinc1.com

4-Packs

Ticket packages will be on sale again this year. You will have the opportunity to purchase a 4-Pack of admissions to the section programs. Paying for four programs in advance you will receive a discount of 20% off of the current fee of \$25 for a typical monthly program. The program admissions are transferable among people in your office. 4-Packs are not available for special programs—webcasts, holiday socials, golf, etc. You must RSVP for the programs, the same as you would normally – just mention that you are using a 4-Pack admission.

Contact Wendy Turkuc for more information.
440-953-8760 or wturkuc@tecinc1.com

RSVP

In order for Wendy to get the dinners reserved, please call or e-mail your RSVP for the programs by the designated date each month. If you must cancel your reservation, three business days notice is required. You will be billed for the program fee if you cancellation is less than three days, however, your reservation can be transferred to another person if you cannot attend. Thank you for your cooperation.

CALENDAR OF EVENTS

2005

September 28

Membership Social -
Lighting Dynamics

5:00 pm @ Winking Lizard Rockside

October

TBA - Lighting & Controls

November

Society Webcast

December

Holiday Social Event - Varley

2006

January

TBA - Lightolier

February

TBA - Lighting Sales

March

TBA - Kormos & Bajec

April

WRHS Centennial Exhibit Opening

Electro Expo

Regional Fly-in (Cleveland)

May

Rib Burn-off & IIDA Awards
Cunningham / Parsons

June

Golf Event - Pineridge C.C.
Kilbourne

BOARD OF MANAGERS MEETING

September 7th, 2005 @ 11:30am
HWH Architects & Engineers
1001 Lakeside Ave, Suite 800
Cleveland, OH 44114

lighting Dynamics inc

Rick Coberly
rick@lightingdynamicsinc.com
Kevin Wood
kevin@lightingdynamicsinc.com
Jill Varley
jill@lightingdynamicsinc.com
Robert Lombardi
rjlhl@ameritech.net
Darren Mullins
darren@lightingdynamicsinc.com

3700 Embassy Pkwy #130
Akron, OH 44333
ph 330.665.9090
fx 330.665.9191

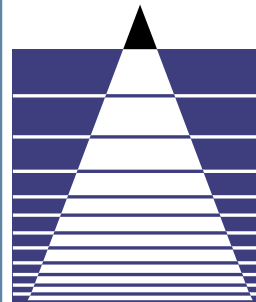
VINCENT LIGHTING SYSTEMS

**Specializing in
Lighting Control
Systems for
Commercial
Applications**

18370 S. Miles Rd.
Cleveland, Ohio 44128
216-475-7600
1-800-922-5356
info@vls.com

Churches • Schools • Theatres • Studios

www.vincentlighting.com



LIGHTING SALES, INC.

23400 Mercantile Rd., Suite 10
Beachwood, Ohio 44122

(216) 464-0220
(FAX) 464-9572

JACK DUFFY & ASSOCIATES

2480 Front Street
Cuyahoga Falls, Ohio 44221

(330) 923-2422
(FAX) 923-9762

MEDINA • WOOSTER • CLEVELAND • AKRON • SANDUSKY



MENTOR
ELYRIA
ASHLAND

WHOLESALE DISTRIBUTORS

Plumbing, HVAC, Electrical, Lighting, Cabinets & Tools

1200 Kelly Avenue • Akron, Ohio 44306-3735

(330) 773-0200 • 1-800-444-1446 • Fax: (330) 773-2153

**ONCE EVERY 100 YEARS
ALL YEAR LONG**

Come and join the celebration in Cleveland. We have a special treat in store for the Cleveland Section's event. The Centennial Conference Committee has been hard at work on 100 years of Cleveland's Lighting History. In cooperation with the Western Reserve Historical Society and The Smithsonian National Museum, the Cleveland Section is staging an exhibit at the Historical Society that will run from April 2006 until January 2007. Do not miss this once in a lifetime opportunity to participate in the celebration. It promises to be an informative, fun filled, nostalgic look back over the 100 years of Cleveland's storied lighting history.

Also in store for the upcoming year is our community outreach project. The committee is working with the Soldiers and Sailor's Memorial Foundation to assist in the restoration or recreation of interior luminaries for the memorial's base, as well as assist in the addition of exterior illumination for the memorial.

Words alone cannot adequately describe the magnitude of these projects. Their ultimate success is due largely to the efforts of the following members of your IESNA.

Centennial Committee

*Terry Kilbourne - Chairman
Lew Sternberg
Dave Kinkaid
Terry McGowan
Brian David*

Fundraising

*Bob Doherty, Jr.
Steve Kay*

Book of Records

*Nancy Christensen
Roger Knott
Bill Fisher*

Exhibit Committee Co-Chairs

*Greg Shick
Rusty Culp*

We hope you will find time to visit the exhibit at the Historically Society, and take a moment to thank these dedicated individuals for their efforts.

CENTENNIAL FUNDRAISING

The Centennial Committee is working hard organize a fantastic display at the Western Reserve Historical Society. The display will open in April 2006.

The committee is in need of financial contributions to assemble the display. To donate, contact



Steve Kay - skay@holophane.com

440-248-8344 or

Bob Doherty, Jr.-bdoherty@wolffbros.com

330-773-0200 or 1-800-444-1446 x4122

Mike Malovasic

Fred Jereb

Boe Korody

Greg Zawadski

Derrick Ayala

LIGHTING & CONTROLS

4503 Brookpark Road
Parma, Ohio 44134

Phone: (216) 741-4545
Fax: (216) 741-7555



PROFESSIONAL ELECTRIC PRODUCTS CO.
WHOLESALE ELECTRIC and
DATA / TELECOMMUNICATIONS PRODUCTS

JACK BORKEY
PRESIDENT

440-946-3790

33210 LAKELAND BLVD.
EASTLAKE, OHIO 44094

KORMOS & BAJEC, LTD.

JEFF GHEZZI
JAMES PARSONS
JOE BAJEC
JIM HARTH
JERRY DIDEON

6751 ENGLE RD., SUITE N
CLEVELAND, OHIO 44130

440-826-1500
1-800-843-2999
FAX 440-826-1554



Greg Shick
gshick@brightsales.com

16781 Chagrin Blvd., #287
Cleveland, Ohio 44120
216-751-8384 tel
216-937-0299 fax
www.brightsales.com

OMT, LLC

Products & Resources for Architects-Engineers
Designers and Construction Professionals

Ken Koos

TEL: 440-543-8026

EKK@OMTLLC.NET

INTERMEDIATE LEVEL LIGHTING EDUCATION ED-150

Warning! The registration deadline for this year IESNA – Cleveland Section sponsored, ED150 class, is closely approaching. There are a few openings still left. The deadline for registration is August 31st.

We have gathered some of the most highly trained people in the Lighting Industry scheduled to teach this very informative science of lighting.

I am sure that you, my fellow members, know someone that would benefit from this class. Please take the time

to expose them to this wonderful opportunity to improve their knowledge of this art and science.

Please fill out the registration form on page 7 of this issue,

Thank you and I hope to see you in September.

Sean Cunningham
IESNA Education Chair

**September 8 through
October 25
Tuesdays and Thursdays
6:00pm - 9:00pm**

**Held at:
KARPINSKI ENGINEERING
3135 EUCLID AVE.
CLEVELAND, OH 44115
BASEMENT CONFERENCE ROOM**

The new ED-150 course was created as the next course for those who have already completed the ED-100 fundamentals program or have gained basic lighting knowledge in other educational programs (courses in academia or industry).

This course is designed for architects, builders, developers, engineers, lighting designers, electric utility specialists, interior designers, distributors, and contractors who are involved in lighting systems. This course can also be used as a refresher for those sitting for the Lighting Certification test in the Fall. CEU and AIA Credits are available to those who complete the course.

Cost: \$300 due at first class (includes text)

For additional information and to reserve your spot, call Sean Cunningham, IESNA Education Committee Chair at 216-464-0220, or email at scunningham.lla180@lighting.net

INTERMEDIATE LEVEL LIGHTING EDUCATION

ED-150

Module 1: Designing for Lighting Quality

Instructor: Terry McGowan BSEE, FIES, LC

Date: September 8

The first session sets the tone for the entire course. It is intended to provide an overview of the course and to inspire attendees about the importance of lighting. It provides the “big picture” view of the lighting design process.

Module 2: Vision

Instructor: Jason Brown, LC **Date:** September 13

Good lighting design and engineering require an understanding of vision and the perceptions that result from it. Anatomy, optics and physiology comprise the components of vision that a lighting professional should understand. The module discusses how vision works, and how that process affects lighting design.

Module 3: Color

Instructor: Jason Brown, LC **Date:** September 15

This module assumes that participants understand the fundamental concepts of color vision and builds on knowledge about the relationship between CCT and CRI. The derivation and limitations of these metrics is explored to justify specification of lamp color properties for various applications.

Module 4: Establishing Lighting Goals (Schematic Design)

Instructor: Kathy Presciano **Date:** September 20

A review of how the lighting design process provides a context for establishing design goals that address both visual performance and the quality of the visual environment before equipment selection. Topics include defining spatial/architectural constraints, setting luminous hierarchy goals and creating spatial impressions.

Module 5: Light Sources

Instructor: Anthony Serres, LC

Date: September 22 & 27

Rather than reviewing specific products, the module explores the reasons behind new developments and the relevant performance metrics that can be used to assess new lamps and ballasts.

Module 6: Luminaires and Optical Control

Instructor: Steve Kay, LC

Date: September 29 & October 4

The principles of reflection, transmission, and refraction are explained and demonstrated to provide a clear understanding of how luminaires control light. The differences between the often-confused terms luminance and luminous intensity are explained.

Module 7A: Lumen Method

Instructor: Bob Moody, PE

Date: October 6

The module provides an understanding the origin, use, and limits of the inverse square law and the cosine law of incidence. It provides attendees with the ability to determine the illuminance from a point source in somewhat complicated geometries, and the illuminance from rectangular area sources using exitances and configuration factors in indirect and daylighting applications.

Module 7B: Calculation of Illuminance at a Point

Instructor: Bob Moody, PE

Date: October 11

Course attendees with extensive experience making lighting calculations with the lumen method may not understand its foundation. The module explains the limits of the method and its useful extensions, particularly in determining interreflected light.

Module 8: Controls for Lighting

Instructor: Brian David, PE, LC **Date:** October 13

This session provides a foundation for understanding control strategies and reviews the factors that influence the basic selection of control techniques. By giving an overview of the various control technologies, attendees are able to integrate knowledge of control products with appropriate applications.

Module 9: Building Electrical Systems

Instructor: Phil Soroky, LC

Date: October 18

This session reviews and defines the basic nature of DC and AC electric circuits and the common components of DC & AC circuits. By describing the application of AC circuits, systems and equipment in buildings, with a focus on lighting design, attendees are better able to understand and knowledge of electrical systems with lighting system design.

Module 10: Daylighting Analysis

Instructor: Dave Johnson, LC

Date: October 20

The session focuses on the characteristics of daylight delivery systems (vertical fenestration, skylights, lightshelves, shading and overhangs), how they perform, how they can be integrated with electric lighting systems and how architecture must be modified to accommodate them.

Module 11: Economics

Instructor: Steve Kay, LC

Date: October 25

A skill-based session with example problems and group exercises to provide hands-on experience in converting between present value, annualized cost and future cost, and in conducting and interpreting the results of a complete life cycle cost analysis of several lighting system options.

**INTERMEDIATE LEVEL
LIGHTING EDUCATION
ED-150**

REGISTRATION

Name: _____

Address: _____

Employer: _____

Telephone Number (Home) _____

Telephone Number (Work) _____

Telephone Number (Fax) _____

E-mail Address: _____

Other IES Lighting Courses Attended: Please check appropriate course;

ED50_____ ED100_____ ED150_____

Cost of Course \$300.00 (including text) Paid_____

Date: _____

Please return to:
Sean Cunningham
Lighting Sales, Inc.
23400 Mercantile Rd., Suite 10
Beachwood, Ohio 44122

This year's Golf Event had the most participants and raised more money than any previous Cleveland Section Golf Event. There were 23 foursomes. We had beautiful - although a little warm - weather, the golfers had a great time. The Golf Event Committee would like to thank all of the participants, volunteers, and sponsors. Without you this event could not happen.

Please take special note of our hole sponsors and prize donors. They are the ones who have helped make this golf outing a success. We hope you will patronize them when you are in need of a product or service they offer.

Golf Event Sponsors

Corporate Sponsor

Karpinski ENGINEERING

Tee Packets

OMT, LLC

Putt for Cash

Karpinski ENGINEERING

Pin Shots

Holophane Corporation

Money Shot & Long Drive

Riffle & Associates
representing: Intermatic and Advance

Sleeve of Golf Balls

TEC, Inc.

Beer on the Patio

Ullman Electric

Signs

HWH Architects Engineers Planners Inc.

Lunch at the Turn

Wolff Bros. Supply, Inc. and
Scheeser•Buckley•Mayfield, Inc.

PRIZE DONATIONS

IESNA Cleveland Section
Little Mountain Country Club
Riffle & Associates
TEC, Inc.
Wolff Bros. Supply, Inc.

VOLUNTEERS

Lighting Sales, Inc. / Jack Duffy & Associates
TEC, Inc.

