



Lumen Press Newsletter

Monthly News

LED Drivers: Understanding the Power!



LEDs need power. We call this a power source. That power source in today's market is called a driver. In today's ever changing market with semi-conductors, there is a great need for this very important piece of equipment to perform in new ways with

new circumstances. During our adventure to provide an inside perspective of what these great devices do, we will discuss with you several important factors such as electrical loads, compatibility, circuits, AC power, safety and all the regulations needed to manufacturer the source. Join us for this great topic as we electrify you in the world of power and electronics.

Speaker: John Boyle is the Technical Support Engineer at TCP in Aurora, Ohio and has been with the company for nine years. Moving from Sr. Engineering Manager he now acts as a liaison between Engineering and Product Management. He has over 21 years of experience in the lighting industry. John has a graduate degree in electrical engineering.

When: Thursday, Feb. 20, 2014

Lunch: 11:30 a.m. – 12:00 p.m.

Program: 12:00 p.m. – 1:00 p.m.

Location: Hilton Garden Inn
1100 Carnegie Ave, Cleveland, OH 44115

Sponsor: TCP

Speaker: John Boyle

Credit: 1 PDH

Cost: \$30.00

Please pay by check or cash at the event or pay by credit card using our [PayPal link on our website](#). Note: If you pay by credit card, you don't need to RSVP Mike.

RSVP

Contact Mike Confer
By Monday, Feb. 17
216-875-4018

mwc@hwhaep.com



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LEDs that are Epic.

TCP – You know us for our CFLs, but did you know about our nationally recognized LED lighting?

TCP now has over 500 high-quality LED options that are up to 85% more energy-efficient than incandescent.

We team with a leading LED chip manufacturer while applying 20 years experience designing and producing our own driver and lamp technology.

The result: a line of LEDs that aren't just exceptional – they're epic.

Visit our website to learn more about our ELITE line of LED lamps and fixtures.

tcpi.com



we know light.™



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2014 IES Scholarship Golf Outing Sponsorship Opportunities

Calling all sponsors!

If you have been a sponsor in the past we hope you will be a sponsor again this year. New sponsors please join in! Here is a list of sponsorship opportunities:

- Grand prize: \$750
- Double Eagle Sponsor: \$500
- Birdie Sponsor: \$250
- Tin Cup Sponsor: \$100
- Signs: \$250
- Lunch: \$500
- Beverages: \$400
- Golf Balls: \$300
- Money Shot: \$250
- Long Drive: \$250
- Pin Shots: \$250 hole number 4
- Pin Shots: \$250 hole number 14

Calling all golfers!

We are looking forward to another fun outing, and are ready to take your reservations for foursomes. This year we will have a four-person scramble format. In order to have a shotgun start we need at least 25 teams (100 golfers)

- Price per foursome: \$440
- Price per individual: \$110 (we will match you with other individual golfers)

Calling all non-golfers!

If you don't play golf but would still like to take part in the fun Awards banquet only ticket \$40

Volunteer opportunities are also available!

- Check in table
- Money Shot hole
- Awards banquet set up and tear down

To become a sponsor, register your team, register for the awards banquet only, or to volunteer, contact Kristen Mallardi at 440-954-2587 or Kristen.mallardi@eyelighting.com.



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President's Report

The "Polar Vortex" may have us in its grips but Spring and the 2014 Scholarship Golf Outing is just around the corner! Believe it or not, planning for this event starts in January. Mark your calendars for May 30 at Pine Ridge Country Club. The Board of Managers is on a mission to solicit raffle prizes, so I ask you all to be ready for the call!

The outing is a way for us to have a good time, relax and wrap up our year. And while we all have a good time, the outings main purpose is to raise money for our sections education fund. Having a robust educational fund is what allows us to continue to bring the quality programming you have come to expect from our section. It also allows us to continue our long tradition of providing a cash scholarship to a deserving HS senior on their way to college to study engineering or other sciences. (STEM) through CTSC, The Cleveland Technical Societies Council.

The balance of the money we raise goes toward other educational programs. Like being able to host Fred Oberkircher's IES Roadshow presentation in September and funding the purchase of the IES's new education modules – (yes, we have to buy those!) and much more.

If I sound like the PBS pledge drive, then I suppose I got my message across.

Our EP group will be hosting their second event. If you have questions about the EP program or one of their events, let Rinara Rinara.reh@ge.com or Tony t.clark@fowlermep.com know and they will bring you up to speed.

The board of managers meets once a month during the program year, usually via phone. Our next meeting is February 17 at noon. If you would like to join the call please contact Henry Barker hbarker@karpinskieng.com and he will give you the dial-in information. All board meetings are open so don't be afraid to join in. We welcome your input.

We have had a wonderful year of programming thus far and look forward to our final meetings. Our calendar is full for 2013 to 2014. If you would like to sponsor a program, suggest a speaker or subject for next year, please contact our Program Chair, Mike Evert at emjever@aol.com or 440-725-3781. The board of managers will be holding a programming planning meeting in July of 2014. All section members are invited to be a part of this planning call. The day and time will be posted in a future edition of the Lumen Press.

Best regards,

Kristen Mallardi, LC

IES Cleveland Section President



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Calendar of Events

2013

September 27 | Friday Lunch

Topic: The IES and Disruptive Technology in the Lighting Industry
Location: Hilton Garden Inn Cleveland Downtown
Sponsor: IES Cleveland Section

October 21 | Monday Evening

Topic: Clambake - Lamp and Ballast Update
Location: Albion Woods Reservation, Strongsville
Sponsor: Wolff Brothers

November 21 | Lunch

Topic: Thermal Management in LED Luminaires
Location: Hilton Garden Inn Downtown Cleveland
Sponsor: Jack Duffy & Associates

December 18 | Evening

Topic: Light Walk
Location: Cleveland Museum of Art
Sponsor: IES Cleveland Section

2014

January 21 | Lunch

Topic: Lighting Regulations and Trends Update
Location: Hilton Garden Inn
Sponsor: Osram Sylvania

February 20 | Lunch

Topic: LED Drivers: Understanding the Power!
Location: Hilton Garden Inn, Cleveland
Sponsor: TCP

March 12 | Lunch

Topic: Human Centric Lighting
Location: Hilton Garden Inn
Sponsor: Myriad Energy Solutions

April |

Topic:
Location: Hilton Garden Inn
Sponsor: Lighting & Controls

May |

Topic:
Location: Hilton Garden Inn
Sponsor: Next Watt

May 30 | Friday Event

Topic: IES Golf Outing
Location: Pine Ridge Golf Course - Willoughby, OH
Sponsors Needed!
Contact Kristen Mallardi Kristen.mallardi@eyelighting.com



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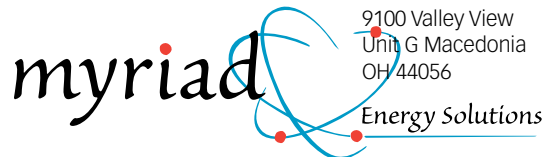
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