



Fluorescent Lamps are not Dead!

Mr. Rich Rattray from Osram Sylvania will present a lecture on long-life fluorescent systems.

Light Source Performance Comparison						
	Incandescent	Halogen	Compact Fluorescent	Linear Fluorescent	Metal Halide	White LED
Efficacy (lm/W)	7 - 15	15 - 20	60-70	50 - 110	80 - 120	70 - 140+ @ chip level
Life time (hrs)	750 - 2000	2000 - 6000	6000-18,000	9000 - 84,000	7500 - 24,000	25,000 - 100,000+
CCT (K)	2500 - 3000	2800 - 3150	2700 - 6500	2700 - 7500	3000 & 4,000	2700 - 10,000

Tuesday, January 14, 2014
6:30 pm—8:00 pm
Maggie's Café
1186 Western Ave, Albany, NY 12203
Dinner and check-in at 6:30 pm

Learning Objectives:

- Benefits of long-life fluorescent
- Source comparison of efficacy and Lifetime
- Fluorescent advantages and applications
- Performance comparison to LED

What's Covered:

- Fluorescent design considerations
- Increased energy efficiency
- Fluorescent system engineering
- Switching cycles and lifetimes
- Cost differences

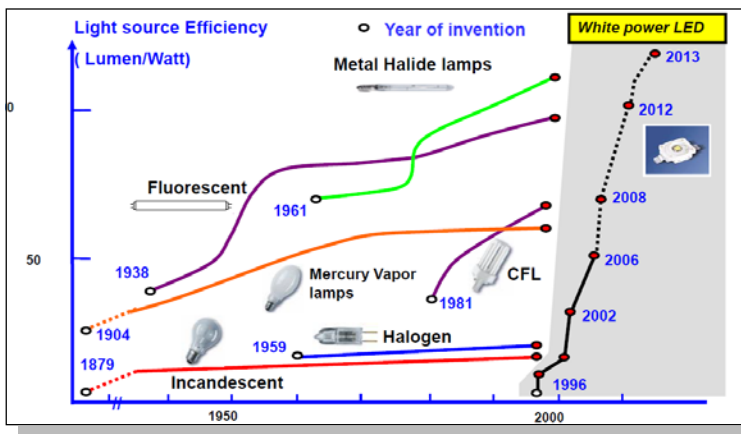
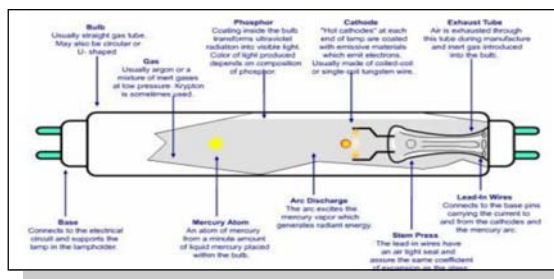
Fee Schedule:

\$30 - IES Member
\$40 - Non-Member
\$5 - Student

Pay at the door: cash or check to "Albany IES"
Dinner Included!

Course Credits:

1 IES-CEU



To Attend: Please RSVP by email to Bruce Plekan: plekanb@icloud.com www.AlbanyIES.org