



International Association of Electrical Inspectors

2009 OFFICERS

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The April 21, 2009 meeting of the Palm Beach County IAEI was called to order at 3:00 PM by President, Debbie Nutter. The Pledge to the Flag was followed by self introductions by the 23 attendees. The March minutes were approved and in the Treasurer's absence, Debbie announced that the finances were discussed at the Board of Directors meeting and the Division is solvent.

Dan Prater noted a letter received from Palm Beach County, Building Official, Rebecca Cauldwell, acknowledging our letter of appreciation for assistance given us by Richard Gathright. Also a "Thank You" was received from Viet Nam Veterans regarding our donation made in honor of John Smith.

Dan also reported that Richard Kurtz is slowly healing but still having a very rough time recovering from lung surgery.

Guest Speaker;

Shad Aesbrook of Power & Lighting Inc, invited our guest speaker, Bob Hahn of Lumecon, to discuss the latest info on LED lighting. The biggest problem with designing luminaires for higher light levels using LEDs is HEAT. Most of us had no idea that LEDs produced so much heat. Heat build up causes the LEDs to lose efficiency give off less light. It also drastically shortens the life of the LEDs.

LED luminaires use much less power than incandescent fixtures with the same light out put. Only 15-20% of the energy radiated by an incandescent light bulb is visible to the human eye (400-700 Nanometers). LEDs are very bright and their wavelength is mostly in the visible range. In fact the light from LEDs is somewhat harsh to work under for any amount of time. They are currently better suited for security, parking garages, etc, and not task lighting or in an office.

LEDs are generally 12 or 24 volt DC and are driven by a Class 2 transformer. Also it should be noted that many light meters will not correctly read the light from LEDs due to the meters not being calibrated to the LEDs particular wave length.

LEDs will normally last 12 to 15 years and are completely non toxic to the environment. The cost is 2 to 3 times the cost of an equivalent incandescent luminaires. LED luminaires are not yet recommended for parking lot lighting but new developments in LED technology are occurring all the time.

Old Business;

Leonard Devine reminded the group of the NEC Code Change Seminar on June 6th, with our favorite NEC expert, John Minick, of NEMA. For information contact Steve Naumann at 561-741-2576 or Leonard at 561-233-5135.

Meeting adjourned at 5:35 PM

Respectfully Submitted by Dan Prater, Secretary

The next regular meeting will be at 3 PM on Tuesday, May 19 at the Palm Beach County Building Dept in the Vista Center, **2300 N Jog Rd**, West Palm Beach. Our guest speaker will be Matt Dembrak of CRC Industries. Matt will present the new line of environmentally friendly products which include at least 6 different electrical contact cleaners and an electric motor cleaner.

Mark your calendar, make sure to attend, and bring an electrical friend!