# Next Generation Luminaires Indoor & Outdoor Winners Showcase 2015

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#### **Competition Partners**

Partnerships to link energy efficiency, lighting quality & performance

INTERNATIONAL ASSOCIATION OF LIGHTING DESIGNERS







#### What NGL Is All About

- Inclusive rather than exclusive
- Performance evaluation with extensive documentation
  - More time and resources than most designers can afford
- Judged in characteristic applications and "hands on"
- Diverse, professional judging panel





### We've Seen Lots of Products

2008 - 2015	
Judged	961
% of intents judged	53%
Awards	346
% of judged awarded	36%

#### **Judging Approach**

- Organized by application
- Product Evaluation
  - Installed and lighted
  - Table top (2<sup>nd</sup> fixture)
  - Documentation

#### Process

- Independent judgment
- Preliminary scoring
- Discussion and decision
- Post judging analysis & verification





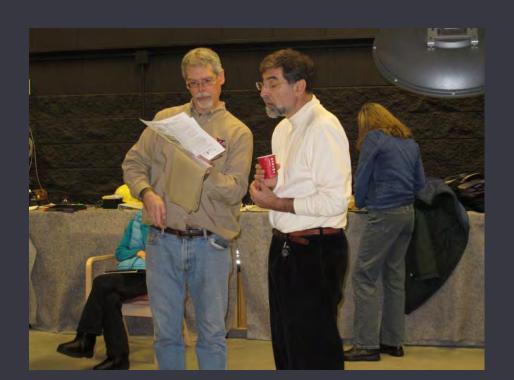
#### Judging Criteria

#### **In-person evaluation:**

- Color
- Illuminance
- Light distribution
- Glare control
- Serviceability
- Controllability
- Value
- Aesthetic appearance
- Bonus

#### <u>Documentation</u> <u>analysis:</u>

- Luminaire Efficacy
- Lumen maintenance



#### 2015 Judging Panels

#### **INDOOR**

Marty Salzberg

Halley Fitzpatrick

Denise Fong

Jeff Brown

Melanie Taylor

Dan Blitzer

John Delany

Avi Mor

Craig A. Bernecker

John D'Angelo

Naomi Miller

#### **OUTDOOR**

**Nancy Clanton** 

Craig Bernecker

Mary Matteson Bryan

Mike Lambert

Aram Ebben

Glenn Heinmiller

Nate Mitten

**Charles Thompson** 

Dan Blitzer

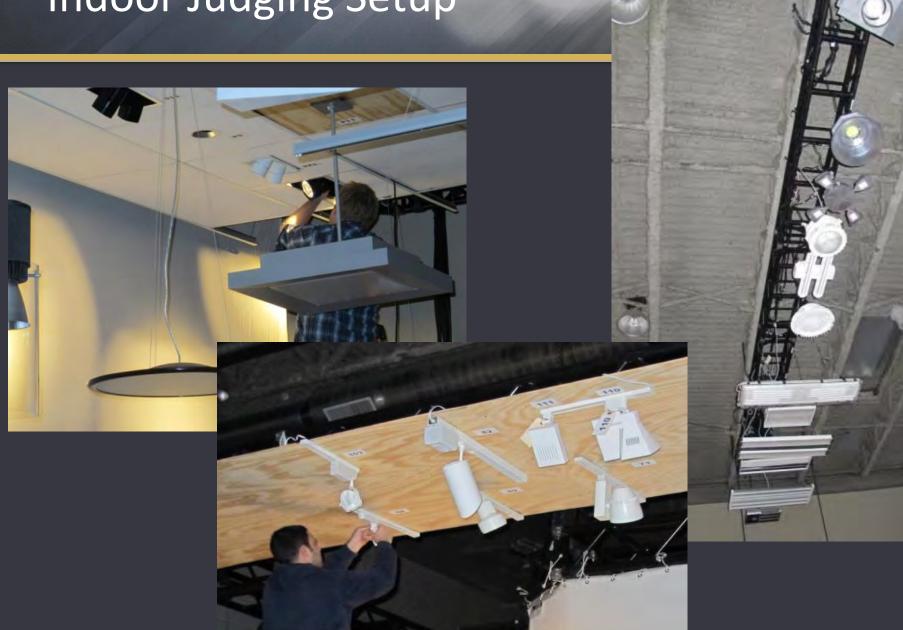




### Outdoor Judging Setup



### Indoor Judging Setup



#### Documentation is Key

#### General

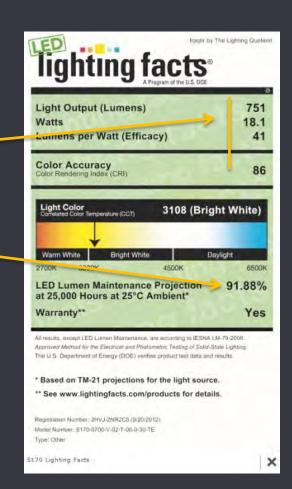
- Luminaire specification sheet
- Product photos/marketing materials

#### **LED Lighting Facts documentation**

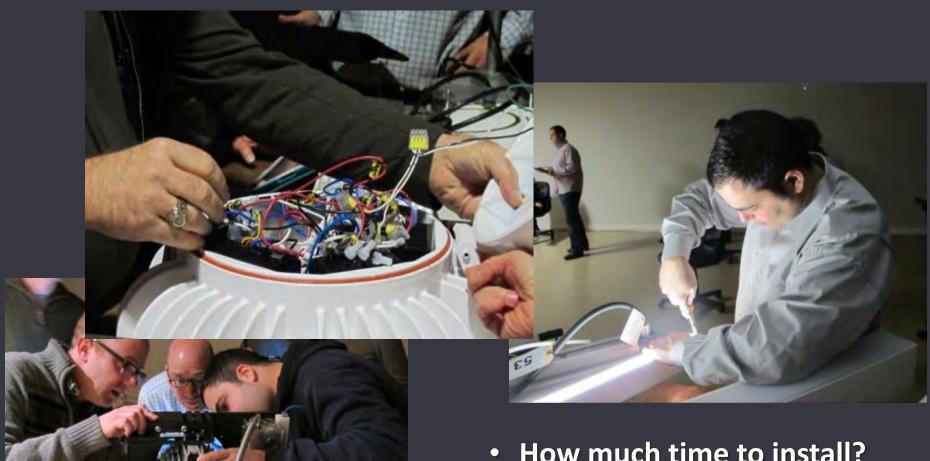
- LM-79 test report (including sphere data)
- LM-80 test report on LED package/module/array
- LED package/module/array specification sheet
- ISTMT on submitted model
- ENERGY STAR TM-21 Calculation

#### Other

- Installation/serviceability statement
- Driver specification sheet/dimming interface spec sheet
- Product warranty/end-of-life statement



### We Love to Take Things Apart!



- How much time to install?
- What can be replaced?
- Can it be serviced?

### Judging in Action - Video

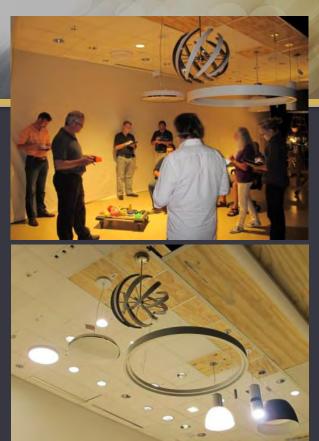


#### Lots of Changes in 2015

- Higher efficacy requirements
- Limited categories
- Digital controls
- More in-depth serviceability evaluation
- Main performance criteria stayed the same
- In-depth evaluation of color tuning (indoor) and pedestrian scale (outdoor)

#### Why all the Changes?

- Push the envelope higher efficacy minimums
- Focus on key issues
  - Controls
  - Serviceability
- Fewer entries for more focused evaluations
- More realistic installations for more accurate evaluations



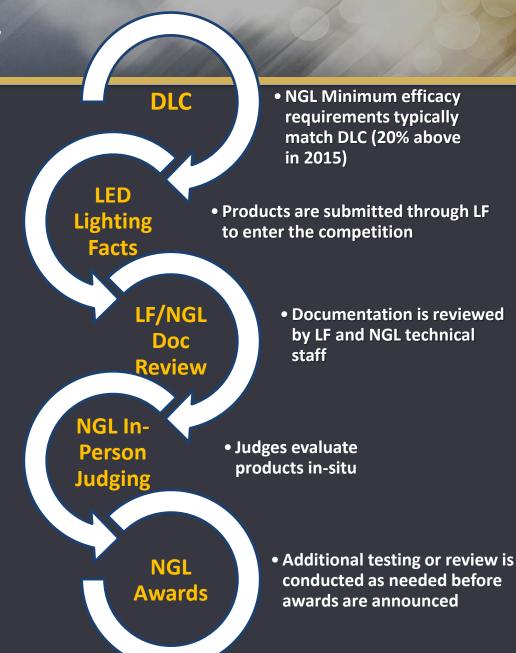


#### Indoor Control Requirements (All Indoor Entries)

- **DMX512:** Entries must be shipped to the judging location wired with DMX-In & DMX-Out connectors. Connector should be XLR-5, male for input, female for output. Pinout will be as follows:
  - Pin 1 Signal Common
  - Pin 2 DMX Data –
  - Pin 3 DMX Data +
  - Pin 4 None
  - Pin 5 None
- **DALI:** Luminaires must be provided with 3'-0" leads of Purple (DALI+) and Gray (DALI-) THHN wire connected to the luminaire. Luminaires will be addressed in the field.
- **Proprietary systems:** (System using proprietary control protocols to control a light source. Individual addressing and control of each luminaire is required. 0-10v, forward phase, reverse phase, or 3-wire line voltage are not considered proprietary and will not be reviewed. Wall box dimming will also not be considered proprietary.)

All products must include <u>detailed</u> installation instructions. All connectors must be included; power will be via 5-15P Plug. System must be able to individually control each luminaire. Controller for judges must be provided on a 50' whip.

#### Listings and NGL



#### **Outstanding Awards**

- User Interface
- Dimming
- Serviceability
- High Efficacy

- Innovation
- Versatility
- Form Factor

Indoor

Outdoor

#### **OUTSTANDING 2015**

#### Finelite, Inc. FineTune™ System



#### **OUTSTANDING**

User Interface

### Selux Corporation Kju



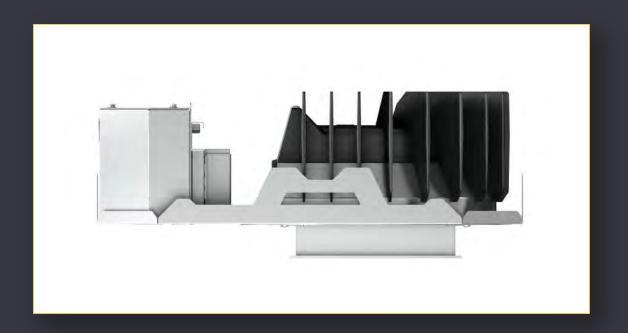
#### OUTSTANDING

Dimming

# Juno Lighting Group Indy L-Series LED Cylinder



### USAI Lighting MAX Output Warm Glow Dimming



**OUTSTANDING** 

Dimming

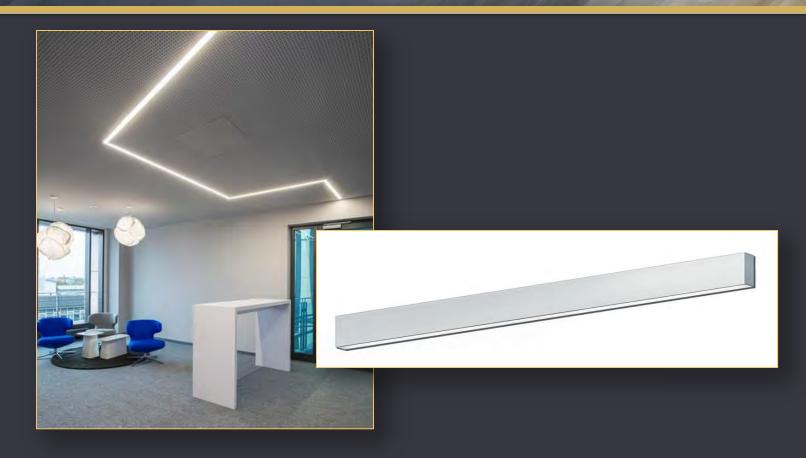
### Louis Poulsen LP Circle Pendant



#### **OUTSTANDING**

Serviceability

# Selux Corporation M36 LED My White



#### OUTSTANDING

Serviceability

### Finelite, Inc. HPR-LED 2x2



#### OUTSTANDING

Serviceability

#### Intense Lighting Gravity Cylinder



OUTSTANDING

Efficacy

#### amerlux MURRO LED Wall Wash



OUTSTANDING

Efficacy

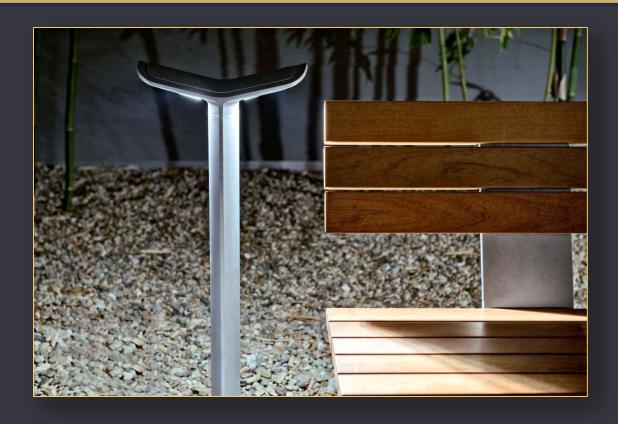
#### Cree IG Series



#### OUTSTANDING

Innovation

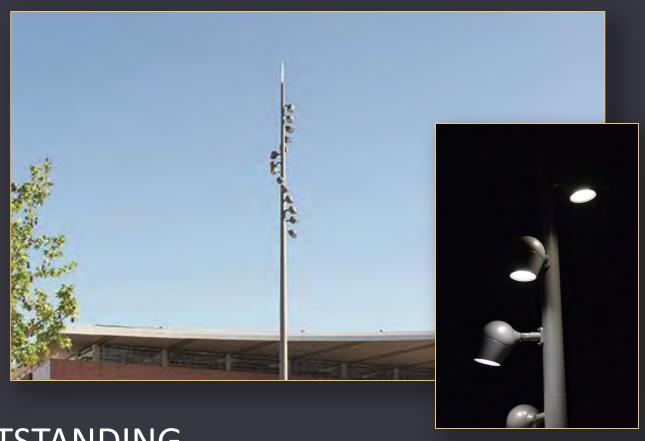
#### Landscape Forms, Inc. MultipliCITY LED



#### **OUTSTANDING**

Form Factor

### Selux Corporation Olivio Sistema 2 LED



**OUTSTANDING** 

Versatility

### LED Roadway Lighting NXT-M



RECOGNIZED

Roadway Collectors

#### Philips Lumec RoadFocus LED Cobra Head



**RECOGNIZED** 

Roadway Collectors

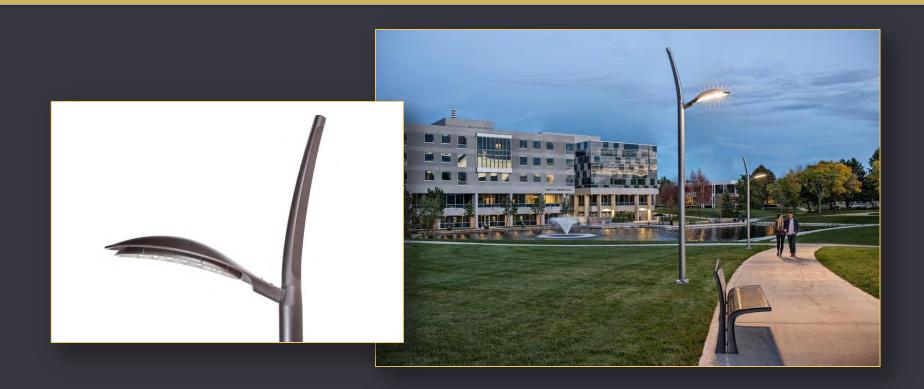
### Hubbell Lighting Beacon Products Viper with Beaconnect



RECOGNIZED

Parking Lot

### Landscape Forms, Inc. SIGNAL



#### RECOGNIZED

Pedestrian Scale

#### Hubbell Lighting Architectural Area Lighting KicK™



#### **RECOGNIZED**

Pedestrian Scale

# USAI Lighting Cylinders Series Pendant



#### RECOGNIZED

Decorative Pendants

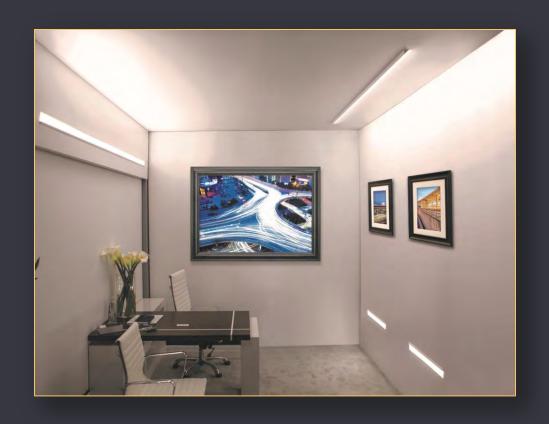
# Finelite, Inc. HP-2 INDIRECT / DIRECT



RECOGNIZED

Linear Pendants

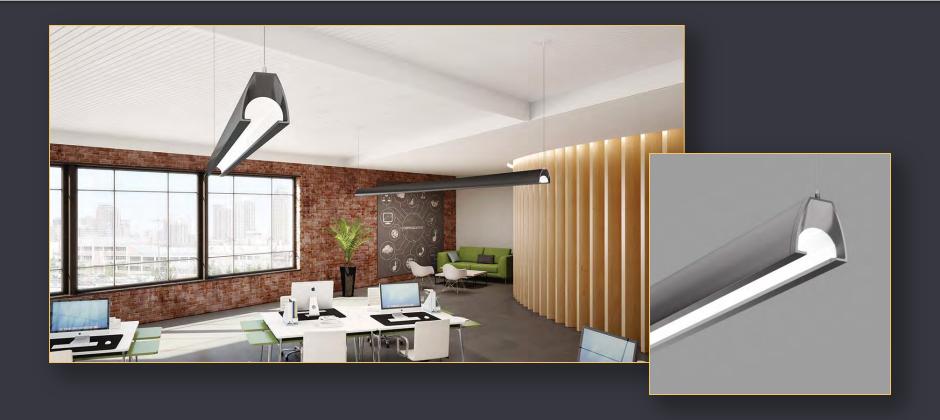
# amerlux LINEA 1.5 LINEAR DIRECT / INDIRECT LED



**RECOGNIZED** 

Linear Pendants

#### LumenWerx Cava Curve



#### RECOGNIZED

Linear Pendants

# Gotham by Acuity Brands Lighting ICO 4

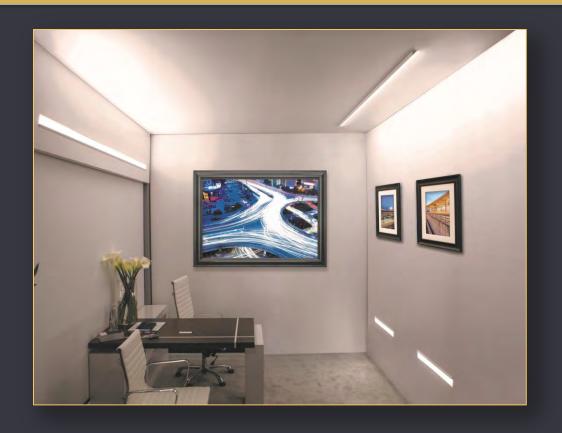




RECOGNIZED

**Downlights** 

### Amerlux FINO CEILING LED



RECOGNIZED

Wall Wash Luminaires

# Juno Lighting Group Indy L-Series LED Downlight



RECOGNIZED

Downlights

### Philips Ledalite VersaForm Recessed LED



RECOGNIZED

Troffers

#### LumenWerx Primo



RECOGNIZED

Troffers

#### Philips Day-Brite FBX



#### RECOGNIZED

High Bays

### Digital Lumens DLE-48 Intelligent LED



#### RECOGNIZED

High Bays

### Congratulations!