# 2017 Contractor Lighting Guidance and Judging Criteria

In 2017, *Lighting for Tomorrow* is targeting Contractor Lighting to address a price barrier that exists in the mass market, retrofit, and new construction markets.

Builders and renovators often convey to energy efficiency program administrators that price point is a determining factor when considering solid state lighting (SSL) fixtures for new construction or retrofitting projects, even with efficiency program incentives. To address these price concerns, *Lighting for Tomorrow* seeks contractor commodity lighting ("Contractor Lighting") products for the 2017 competition and will be evaluating them as a separate category.

By encouraging the entry of Contractor Lighting fixtures and retrofit kits priced at ≤$50, *Lighting for Tomorrow* hopes to see increased availability of well designed, energy efficient lighting products that meet the needs of contractor and new construction markets.

Boost the ability of your products to gain recognition by considering this opportunity. For manufacturers interested in submitting their products in this category, a summary of the requirements has been provided below:

- Contractor Lighting products will be judged separately, but held to similar performance and judging criteria as comparable products, with special emphasis on particular attributes such as ease of installation. The judging criteria information can be found below.
- Contractor Lighting entries must be retail priced at ≤ $50 US.
- Award recipients in the Contractor Lighting category will receive the same benefits of promotion as other *Lighting for Tomorrow* winning products.

## Minimum Efficacy Requirements

All LED fixture submissions must meet the ENERGY STAR Luminaire Specification Version 2.0. Testing and certification bodies are offering Version 2.0 support services now.

## Judging Criteria

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| Ease of installation | This will be based on clarity of installation instructions, the simplicity of the tools required, as well as the actual installation. *Installation instructions required.* |
| Value | Evaluation of this criterion will be based on the judging panel's subjective evaluation regarding the overall quality of the product and materials used in combination with the price range provided by the manufacturer. |
| Color appearance | Evaluation of this criterion will be based on the judging panel's subjective evaluation of the color appearance of the installed fixture. Manufacturer data about CCT of the LED and OLED sources must be provided. CCT of finalists will be verified through LM-79-08 or LM-80-08 testing as necessary. |
| Color rendering | Evaluation of this criterion will be based on the judging panel's subjective evaluation of the color appearance of objects illuminated by the installed fixture. Manufacturer data about CRI of the LED and OLED sources must be provided for indoor fixtures. CRI of finalists will be verified through LM-79-08 or LM-80-08 testing as necessary. A CRI of 90 |

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| | or greater is preferred. |
| Appropriate light output and distribution | Luminaires must provide light output (lumens) sufficient for their intended applications as well as appropriate light distribution. Evaluation of this criterion will be based on the judging panel's subjective evaluation of the light levels and distribution provided by the fixture, and may also include measurement of light levels using a standard illuminance meter, with results compared to IES recommended practice (minimum illuminance values). |
| Application efficiency | The fixture must deliver appropriate light levels to the task with lower wattage than comparable traditional light sources for that task. Evaluation of this criterion will be based on assessment by the SSL judging panel and manufacturer data on efficacy, which may be provided through LM-79-08 or LM-80-08 test reports. More points will be awarded to higher efficacy products. |
| Aesthetic appearance and style | Evaluation of this criterion will be based on the judging panel's subjective evaluation of the aesthetic appearance of the installed fixture when both illuminated and off. Consideration will be given to whether the materials and design are appropriate for residential use and will appeal to the current consumer market. |
| Field serviceable/replaceable components | The ability of a fixture to allow a consumer to replace an LED component if it should fail. No points will be awarded to fixtures that must be discarded upon failure of one component. |
| Product rated life/warranty | |

## Potential Bonus Points

The judging panel may award bonus points for entries exhibiting desirable characteristics. Bonus points will be available for the attributes listed below; additional bonus points may be identified by the judges.

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| Senior friendly | Entries that demonstrate that they have been designed and can be marketed to meet the needs of the aging population or others who are sight challenged (for more information, please see the Senior Friendly Lighting document). |
| Sustainability | Made from recycled materials. |
| Ability to change color | Variable chromaticity (color tuning) capability |
| Dimmability | Indoor entries capable of dimming continuously from 100% light output to at least 20% of full output. Judges will look for smooth transitions, no perceptible flicker at lower output levels, and no perceptible color shift toward cooler colors (warm color shift is alright). |
| Dark-sky friendly | Outdoor lamp products that are shielded or optically designed to limit upward light emissions. |
| Innovation: Engineering and Design | Entries that demonstrate innovation in taking advantage of the unique characteristics of LEDs (form factor, durability, weight, beam characteristics, ability to tune color appearance, etc.). Evaluation of this criterion will be based on the judging panel's subjective evaluation of the product's innovative qualities. |