



Smart Outdoor Lighting Alliance Community Friendly Lighting Certification Guidelines for Participation

Thank you for your interest in the Smart Outdoor Lighting Alliance (SOLA) Community Friendly Outdoor Lighting program. The goals of the program are to help cities upgrade public lighting while improving visibility and visual comfort, as well as to preserve the character and ambiance of neighborhoods.

Lighting Fixtures

The selection criteria for lighting fixtures are based on three factors: technical performance, visual comfort, and environmental impact.

To be included in the program all lighting fixtures must meet the following:

- IES BUG rating of 0 or 1 for uplight and glare
- Spectral Power Distribution <530nm of 25% or less
- Optical design that minimizes glare for vehicles and pedestrians
- UL or equivalent certification for exterior environments
- Minimum five-year warranty

There is a separate category for lighting fixtures that are specifically designed to minimize negative ecological impact and are suitable for parks and protected areas. Fixtures in this category will typically employ narrow bandwidth in the >500nm portion of the visible spectrum or SPD <530nm of 1% or less, as well as meeting all other lighting fixture requirements for the program.

Lighting Controls

All controls that reliably enable communities to reduce lighting levels are candidates for inclusion in the program. This includes local and networked control systems using wired or wireless connectivity. The minimum technical requirements are UL or equivalent certification for exterior environments and a five-year warranty on all components.

The evaluation process will involve soliciting feedback from customers who have purchased and installed the equipment for a period of 180 days or more. The evaluation will focus on the ease of integration, commissioning, reliability and support. Whenever possible, SOLA will visit a site to inspect the installation and interview the customer.

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Application Submission Checklist

LIGHTING FIXTURES

Please include the following:

- ✓ Point of contact (POC) information for applicant
- ✓ URLs or digital files for product specifications
- ✓ High-resolution digital images (~1200 X 800 pixels)
- ✓ IES files using IES LM-79-08 or equivalent testing protocol
- ✓ Documentation for percentage of SPD (430-530nm)
- ✓ IES TM-15-11 Luminaire classification system BUG rating
- ✓ UL listing or equivalent certification
- ✓ Specify the exact model number(s) for the fixture being submitted for evaluation and specific options that should be included when ordering
- ✓ A check for \$100 (non-refundable) made out to "SOLA" for each fixture model to be evaluated

If the fixture meets the requirements of the program, you will need to provide a list of installation sites where it can be evaluated in situ and/or a sample of the fixture to be physically examined. Samples will be returned when the evaluation is complete if shipping account information or a call tag is included.

LIGHTING CONTROLS

Please include the following:

- ✓ POC information for applicant
- ✓ URLs or digital files for product specifications
- ✓ High-resolution digital images (approximately 1200 X 800 pixels)
- ✓ Simple schematic drawing of the system
- ✓ Brief description of the operation and capabilities of the system (~1000 words)
- ✓ List of three recent customers with POC address, email address and phone numbers
- ✓ A check for \$100 (non-refundable) made out to "SOLA" for each system to be evaluated

Program Terms

Applications may require up to 60 days for testing and evaluation. The POC listed in the application will be contacted for additional information if necessary and will receive notice in writing of the disposition of the application as soon as possible. If certified, the company will receive an invitation to join the program, an agreement and an invoice for the annual administrative fee. Upon receipt of the signed agreement and fee, the item will become certified and listed in the program for one year. Annual renewals will be sent and the item will remain in the program as long as it continues to meet the current requirements and the administrative fee is paid.

If upon evaluation the device does not meet the requirements for the program, the applicant will receive a written explanation and potential remedies (if any) to meet the requirements of the program. The applicant will have 60 days to submit solutions to be considered for reevaluation. After this, a new application and evaluation fee will be required.