



# **REQUEST FOR INFORMATION (RFI)**

## **R09-085 LJ**

September 21, 2009

**LED LIGHT-EMITTING DIODES AS A LIGHT  
SOURCE FOR STREET LIGHTING**

For

**CITY OF COLORADO SPRINGS TRAFFIC  
ENGINEERING**

**INFORMATIONAL PROPOSALS WILL BE ACCEPTED  
UNTIL OCTOBER 22, 2009 3:00 P.M.**

Contact  
Lee Jenniges  
Procurement Analyst  
City of Colorado Springs  
30 S. Nevada Avenue, Suite 201  
Colorado Springs, CO 80903  
Phone: (719) 385-5266, Fax: (719) 475-8477  
Email: [ljenniges@springsgov.com](mailto:ljenniges@springsgov.com)

ADMINISTRATIVE INFORMATION ..... 3

- A. Purpose..... 3
- B. Request for Information Definition ..... 3
- C. Units to be provided for testing ..... 3

REQUIREMENTS..... 4

- A. General Requirements..... 4
- B. Cobrahead-Style Fixture Requirements ..... 4
- C. Acorn-Style Fixture Requirements ..... 4
- D. Colonial Requirements..... 5
- E. Retrofit Requirements..... 5

**PROCEDURAL INFORMATION ..... 6**

- A. Inquiries ..... 6**
- B. Response Submissions ..... 6**
- C. Cost of Responses ..... 7**
- D. Proprietary Information ..... 7**
- E. Response Material Ownership ..... 7**

## ADMINISTRATIVE INFORMATION

### A. Purpose

The City of Colorado Springs and Colorado Springs Utilities is seeking information and cost from qualified companies for furnishing LED light-emitting diodes as a light source for street lighting.

The ultimate goal is to standardize on various types of lighting now being provided with High Pressure sodium (HPS) and Metal Halide (MH) such as Cobrahead, Acorn and Colonial style fixtures in the City's current street light applications.

### B. Request for Information Definition

Responses to this RFI are considered non-binding proposals and are only used to gather information for budgetary and specification preparation purposes. It will also be used to determine the number of qualified vendors that exist in the industry for a possible future competitive procurement. We are also seeking information and cost on applications/designs that can be tested in a laboratory or field environment to determine the acceptability and function of proposed units and applications..

A contract will NOT be awarded as a result of this RFI. However all firms that respond to this RFI will be invited to propose if the City of Colorado Springs chooses to proceed with a formal Request for Proposals (RFP) or Invitation for Bids (IFB).

### C. Units to be provided for testing

The manufacturer agrees to provide up to 4 fixtures/retrofits of each style, brand, and or manufacturer that they would like to have tested, at no cost to the City of Colorado Springs. These fixtures/retrofits will be used for testing in both a Lab and a field setting for a period of up to 12 months. All firms providing the fixtures and retrofits are hereby advised that these units will be thoroughly tested and potentially destroyed in the evaluations and therefore will not be returned

Additionally the City is requesting that all interested firms provide pricing for a maximum of 20 each of the Cobrahead and Acorn fixture kits. These units will be installed by City of Colorado Springs personnel and monitored and tested in the field. Depending on the number of vendors offering pricing for these units the City may determine that it is in its best interest to purchase 5 of each units from several different vendors for testing and evaluation.

All firms that provide units for testing purposes will be provided testing data and results.

## REQUIREMENTS

### A. General Requirements

The manufacturer must provide the following information, upon request, for each fixture design submitted for review:

- Test reports from a certified, independent test lab;
- IES photometric files for each fixture/retrofit;
- List of each utility or lighting agency, within the United States, currently using or testing the fixtures/retrofits in question. Lists will contain company name, contact names, and phone numbers for each utility or lighting agency;
- The manufacturer agrees to provide up to 4 fixtures/retrofits of each style, brand, and or manufacturer that they would like to have tested, at no cost to the City of Colorado Springs. These fixtures/retrofits will be used for testing in both a Lab and a field setting for a period of up to 12 months.

### B. Cobrahead-Style Fixture Requirements

Each Cobrahead-style fixture submitted for review must meet the following minimum qualifications:

- Fixture will be suitable for installation and operation in ambient temperatures from -40°C to +40°C ;
- Factory wired to operate with a 120V/60Hz source;
- Surge/Transient Protection > 5kV;
- Color Rendering Index > 70 CRI;
- Color Temperature from 3500k to 6500k;
- Housing shall be all aluminum construction;
- Fixture will be designed to mount on a 1-1/4" to 2" OD horizontal tenon;
- Fixture will be adjustable  $\pm 5^\circ$  to allow for leveling (includes leveling bubble to aid in this process);
- Will be pre-wired with a NEMA, three prong, twist-lock, photocell receptacle;
- Cobrahead fixture will produce a full cutoff, IESNA Type III distribution;
- The housing shall be free from cracks, chips, burrs and surface anomalies that cause injury during installation;
- There shall be provision for grounding the housing internal to the frame;
- Minimum 25' manufacturer recommended mounting height.

### C. Acorn-Style Fixture Requirements

Each acorn-style fixture submitted for review must meet the following minimum qualifications:

- Fixture will be suitable for installation and operation in ambient temperatures from -40°C to +40°C ;
- Factory wired to operate with a 120V/60Hz source;
- Surge/Transient Protection > 5kV;
- Color Rendering Index > 70 CRI;
- Color Temperature from 3500k to 6500k;
- Fixture will be designed to mount on a 3" high by 3" OD tenon;
- Will be pre-wired with a NEMA, three prong, twist-lock, photocell receptacle;
- The globe will be manufactured of a prismatic Polyacryl material and produce an IESNA Type V distribution;
- The housing shall be free from cracks, chips, burrs and surface anomalies that cause injury during installation;
- There shall be provision for grounding the housing internal to the frame;

- The fixture is to be equipped with a removable house-side shield to control unwanted backlight;
- Minimum 16' manufacturer recommended mounting height.

**D. Colonial Requirements**

Each colonial-style fixture submitted for review must meet the following minimum qualifications:

- Fixture will be suitable for installation and operation in ambient temperatures from -40°C to +40°C ;
- Factory wired to operate with a 120V/60Hz source;
- Surge/Transient Protection > 5kV;
- Color Rendering Index > 70 CRI;
- Color Temperature from 3500k to 6500k;
- Fixture will be designed to mount on a 2-3/8" to 3" OD tenon;
- Will be pre-wired with a NEMA, three prong, twist-lock, photocell receptacle;
- Colonial fixture will produce a full cutoff, IESNA Type II distribution;
- The housing shall be free from cracks, chips, burrs and surface anomalies that cause injury during installation;
- There shall be provision for grounding the housing internal to the frame;
- Minimum 19' manufacturer recommended mounting height.

**E. Retrofit Requirements**

Each retrofit submitted for review must meet the following minimum qualifications:

- Fixture will be suitable for installation and operation in ambient temperatures from -40°C to +40°C ;
- Factory wired to operate with a 120V/60Hz source;
- Surge/Transient Protection > 5K;
- Color Rendering Index > 70;
- Color Temperature from 3500k to 6500k;
- Cobrahead retrofit must produce an IESNA Type III distribution;
- Acorn retrofit must produce an IESNA Type V distribution;
- Colonial retrofit must mounted horizontally in the hood of the fixture and produce an IESNA Type II distribution;
- Acorn retrofit shall be equipped with a removable house-side shield to control unwanted backlight.
- The retrofit shall be free from cracks, chips, burrs and surface anomalies that cause injury during installation;
- There shall be provision for grounding the retrofit array internal to the frame.

**PROCEDURAL INFORMATION**

**A. Inquiries**

Vendors may make inquiries of a procedural nature concerning this RFI to:

Lee M. Jenniges, CPPO  
Senior Contracting Specialist  
Colorado Springs, CO 80903-2599  
(719) 385-5266  
FAX (719) 475-8477  
[ljenniges@springsgov.com](mailto:ljenniges@springsgov.com)

The preferred method of submittal of questions is through e-mail to [ljenniges@springsgov.com](mailto:ljenniges@springsgov.com).

**B. Response Submissions**

Responses should be prepared simply and economically, providing complete details of the vendor's ability to meet the requirements specified in the A & B of this section and as stated below of this RFI. As a minimum they should include the following information:

1. Company Name and Address
2. History of company including future plans in industry
3. Any other resources and data applicable
4. Statement of agreement to furnish the testing units at no charge to the city.
5. Cost proposal to furnish the up to 20 units for field testing.

Responses will be accepted by the Contracting Division through October 22, 2009 at 3:00 P.M.

The address for mailing submissions is:

Lee M. Jenniges, CPPO  
Senior Contracting Specialist  
Colorado Springs, CO 80903-2599  
(719) 385-5266  
FAX (719) 475-8477  
[ljenniges@springsgov.com](mailto:ljenniges@springsgov.com)

Vendors mailing their response must allow sufficient mail delivery time to ensure receipt of their response by the date and time specified.

**Identification of Information:**

Information shall be submitted in a sealed envelope(s) or container(s) with the solicitation number, date for submission of offer and the offeror's name clearly marked on the outside of the envelope(s) or container(s).

RFI No. R09-085 LJ LED STREET LIGHT FIXTURES  
Due Date: OCTOBER 22, 2009, 3:00 P.M.  
Company: \_\_\_\_\_

The City of Colorado Springs is not liable for late submission of, or discarding of, responses due to any technological reason, such reason being caused by an action of either the City of Colorado Springs or the respondent.

**C. Cost of Responses**

The City of Colorado Springs is not liable for any cost incurred by vendors in preparing their response. Respondents may be asked to clarify or expand upon information provided.

**D. Proprietary Information**

If a response contains information that the respondent does not want disclosed to the public, or used for any purpose other than the evaluation of this response, all such information must be indicated with the following or similar statement:

“The information contained on pages \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ shall not be duplicated or used in whole or in part for any purpose other than to evaluate the response provided. If a contract is awarded to this firm as a result of the submission of such information, the City of Colorado Springs shall have the right to duplicate, use, or disclose this information to the extent provided in the contract. This restriction does not limit the City of Colorado Springs’ right to use the information herein if obtained from another source.”

All such nondisclosure items specified in the response shall be subject to disclosure as provided in Part 2 of Article 72 of TITLE 24 C.R.S. (the “Colorado Public Records Act”) or as otherwise provided by law.

**E. Response Material Ownership**

All material submitted in response to this RFI becomes the property of the City of Colorado Springs except for products that are made available for demonstration purposes and proprietary material. All responses will be available for public review.