



# City of Los Angeles

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City of Los Angeles Personnel Department

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## STREET LIGHTING ELECTRICIAN

**Class Code: 3811**

**Open Date: 10-02-15**

**(Exam Open to Current City Employees)**

### **ANNUAL SALARY**

\$86,484 (flat rated)

### **NOTE:**

The current salary range is subject to change. You may confirm the starting salary with the hiring department before accepting a job offer.

### **DUTIES**

A Street Lighting Electrician acts as a lead for and works with a crew of workers engaged in the construction and repair of electrolier street lighting systems.

### **REQUIREMENTS**

1. A valid California B driver's license or higher; and
2. Two years of full-time paid experience as an Assistant Street Lighting Electrician, Line Maintenance Assistant, or in a position which is at that level which provides experience in constructing electrolier street lighting systems and repair and maintenance of high and low voltage street lighting circuitry.

### **NOTES:**

1. In addition to the regular City application, all applicants must complete the Street Lighting Electrician Qualifications Questionnaire at the time of filing. The Street Lighting Electrician Qualifications Questionnaire is located within the Supplemental Questions Section of the City application. Applicants who fail to complete the Qualifications Questionnaire will not be considered further in this examination, and their application will not be processed.
2. High voltage circuits as defined by Title 8 of the California Administrative Code, Electrical Safety Orders, are those which carry a sustained voltage of more than 600 volts.
3. Applicants who lack six months or less of the required experience may file for this examination. However, they cannot be appointed until the full experience requirement is met.
4. Prior to appointment, candidates must submit a commercial driving history in accordance with the California Department of Motor Vehicles Section 1808.1 Candidates will be disqualified and not eligible for hire if their record within the last 36 months reflects three or more moving violations and/or at-fault accidents, or a conviction of a major moving violation (such as DUI).

### **WHERE TO APPLY**

Applications will only be accepted on-line. When you are viewing the on-line job bulletin of your choice, simply scroll to the top of the page and select the "Apply" icon. On-line job bulletins are available at <http://agency.governmentjobs.com/lacity/default.cfm?promotionaljobs=1> for Promotional Examinations.

### **NOTE:**

Applicants are urged to apply early to ensure you have time to resolve any technical issues you may encounter.

### **APPLICATION DEADLINE**

Applications and Qualification Questionnaires must be received by **THURSDAY, OCTOBER 15, 2015**.

**AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER**

## **SELECTION PROCESS**

**Examination Weight: Essay . . . . . Advisory**  
**Interview . . . . . 100%**

The examination will consist entirely of an evaluation of professional and personal qualifications by interview. In the interview, emphasis may be placed on the nature and adequacy of the candidate's experience, training and professional development as they have provided the background to perform the duties of a Street Lighting Electrician, including knowledge of: State and local laws, rules, and regulations applicable to construction and repair of electrolier street lighting systems, including the California Work Area Traffic Control Handbook, Department of Water and Power (DWP) Lineman's and Patrolman's Orders, and the Underground Service Alert; electrical principles, such as current flow and electrical conductivity sufficient to provide complete information to crew members on safe working practices and to ensure own safety when working on, or in the area of, low and high voltage electrical systems, including types of equipment used in high voltage circuits such as constant current transformers, types of fuses, electrical disconnects, and controllers; installation of overhead wiring and short loop circuits in order to affect temporary circuit repairs; proper cable and wire splicing techniques such as high and low voltage splices, different connector types, and insulation techniques; street lighting electrical symbols and terminology, such as mid-point ground pulled, lights out, ok temp, and cut straight through sufficient to correctly interpret a trouble investigation report; various types of street light posts used by the Bureau of Street Lighting, such as concrete, cast iron, and steel posts sufficient to find the location of various post balance points and assemble or disassemble them; various types of wire and cable used in street lighting electrical circuitry such as high and low voltage cable, various wire gauges, and types of insulation as contained in the Standard Specifications for Public Works Construction Manual (SSPWCM); types and uses of fuses, such as cartridge, plug, stats, and circuit breaker used to isolate control of electrical source from work area; methods used to establish clearances, conduct burn tests, and interpret burn test results; boom clearances for overhead lines; difference between and uses of IL (individual lamp) and SL (several lamp) transformers, such as mercury vapor, incandescent, high and low pressure sodium, and metal halide; proper application and operation of various electrical test equipment, such as an ammeter and megger sufficient to determine a circuit's condition, ensure its proper function, and recognize irregularities; procedures, materials, and specifications relating to pull box installation such as grades of rock, setting heights, and electrical bonding and drilling of conduit; proper procedures used in conduit repair and installation contained in the SSPWCM, including use of hand and power tools, and threading and bending equipment in order to give instruction to work crew members; various pneumatic tools, crimping tools, and high voltage hand tools, equipment, and safety devices such as high voltage rubber gloves, disconnect pullers, grounding straps, and split bolt connectors; external operations of an air compressor, including starting, stopping, properly attaching equipment, and interpreting air pressure, fuel, water, pressure, oil gauges, and air pressure fittings; use and operation of an electronic pipe locating device and derrick equipment, such as curb distance, lift distance, and angle; work crew leader's basic responsibilities, including time keeping, training, Division rules and regulations, Division bulletins, and Bureau accident and injury reporting procedures; and the ability to read and interpret a variety of electrolier standard plans, including parts lists, types of luminaries, types of foundations required, mounting heights, and overall dimensions; visually and manually trace a circuit path from source to return sufficient to trouble shoot circuit problems and aid in providing proper clearance information; use various rigging techniques including knots and hitches, such as square knots, half hitches, and slip knots to set or lift posts properly and safely; basic first aid practices and CPR, including procedures contained in the Red Cross First Aid Manual and CPR training course applicable to common on-the-job injuries; communicate, both orally and in writing, in a clear, concise, and effective manner with the work crew members, supervisors, other agencies, the general public, and others; interact with work crew members, the general public, and others in a tactful and effective manner; and other necessary skills, knowledge, and abilities.

The Qualifications Questionnaire will not be separately scored, but will be considered by the interview board in evaluating each candidate's qualifications. Candidates may expect the interview panel members to discuss this information during the interview. Qualifications Questionnaires submitted by candidates on the day of the interview will not be accepted for presentation to the interview board.

At the time of the interview, candidates will be required to prepare some written material related to the duties and responsibilities of a Street Lighting Electrician. This material will not be separately scored, but will be presented to the interview board for consideration in the overall evaluation of the candidate. Candidates who fail to complete the advisory essay may be disqualified. Candidates may anticipate that PCs (personal computers) will be made available to type their advisory essay responses.

Candidates will be notified later by e-mail of the date, time, and location of the interview, which will be held in Los Angeles. It is anticipated that the interviews will begin during the period of **DECEMBER 7, 2015 to DECEMBER 18, 2015**.

### **NOTES:**

1. This examination is based on a validation study.
2. Based on City policy, you may be required to undergo mandatory drug and alcohol testing prior to and during employment in this class.
3. The incumbents of some positions in this class may be required to pass an annual or periodic work fitness evaluation to determine their eligibility for continued employment in this class.
4. As a covered entity under the Fair Employment and Housing Act and Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability and upon request, will provide reasonable accommodations to ensure equal access to its programs, services, and activities. To request a disability accommodation, please complete the Disability Accommodation Form within 14 calendar days of the submittal of the City application. The Disability Accommodation Form can be obtained at [http://per.lacity.org/exams/verify\\_disability.pdf](http://per.lacity.org/exams/verify_disability.pdf).
5. Applications are accepted subject to review to ensure that minimum qualifications are met. Candidates may be disqualified at any time if it is determined that they do not possess the minimum qualifications stated on this bulletin.
6. A final average score of 70% is required to be placed on the eligible list.
7. You must have received a regular appointment to a City position or be on a reserve list to file on a promotional basis.
8. Seniority credit at the rate of 0.25 of a point for each year of continuous classified City service will be added to the weighted test score of each candidate.
9. In accordance with Civil Service Rule, Sec. 4.24, review periods may be combined. Candidates in the examination process may file protests as provided in Sec. 4.20, 4.22, 4.23 as applicable and within the required timeframe; however, the Personnel Department may respond to and resolve protests prior to the establishment of the eligible list.

### **THIS EXAMINATION IS TO BE GIVEN ONLY ON AN INTERDEPARTMENTAL PROMOTIONAL BASIS**

The City of Los Angeles does not discriminate on the basis of race, religion, national origin, sex, age, marital status, sexual orientation, gender identity, gender expression, disability, creed, color, ancestry, medical condition (cancer), or Acquired Immune Deficiency Syndrome.