

PHOTOMETRIC REPORT REQUIREMENTS

From Traffic Engineering, Public Works Department, 1666 N. Main Street, Walnut Creek, CA 94596 (925) 943-5899 x7582
Rev. March 2021



The Photometric Report provides existing and proposed street lighting levels at the project site located in the City right-of-way. The report is used as a basis in determining the level of improvements needed to meet City Streetlighting Guidelines.

Basic Scope of a Photometric Report :

The report is to be prepared by or under the direction of a registered Professional Engineer or Architect and shall be presented:

- On a 24"x36" plan sheet that will be included in the Site Development Permit Plan Set.
- 1/8" minimum height lettering, 1"=50' Minimum scale

The following shall be included on the Photometric Report:

- Locations and lighting levels of all existing street lights bounded by the limit of the project to the centerline of the street. (study site may be expanded as specified by the City Traffic Engineer.)
- Any adjacent existing streetlights and lights on traffic that may spillover onto the study area. **[*see note]**
- New streetlights if existing lights do not meet City Streetlighting Guidelines.
- Lighting levels in HFC units (Average Horizontal foot candle).
- Show location(s) of existing and new service point(s).
- A table summarizing the uniformity ratio-- Eaverage/Emin, Average Horizontal foot candle, maximum and minimum values for each street or street segment. (refer to City Streetlighting Guidelines)

Streetlight Design:

All components of the street light (including pole, lamps, bases, junction boxes, wirings, luminaires, lenses, service etc) shall comply with the City specifications. The type and brand names of fixtures and the preferred wiring are provided on City Standard Plans TS-18-1, TS-18-2, TS-19-1 and TS-19-

2 for LEDs. The lighting levels shall be achieved by using LEDs.

Ownership/Maintenance

The developer/owner is responsible for all costs of the design, materials, and installation of the street lighting system.

All new developments shall furnish, install and dedicate streetlights to conform with all items as described in City Streetlighting Guidelines.

The plan shall indicate the rate schedule and the on-going maintenance responsibility of all fixtures for street lights installed on public streets:

- LS2A for City owned/maintained lights and fixtures
- LS1C for PG&E owned/maintained lights and fixtures

The lighting levels for private property including but not limited to private parking lots and /or private garages are subject to the Design Review Commission review and approval.

**Existing adjacent lighting may be obtained from the PG&E streetlight inventory that the City will provide to the applicant. The spreadsheet contains the existing streetlight technical information such as but not limited to wattage, type of light, pole height, etc.*

The method to obtain the information needed for the existing poles within study area is to conduct a field visit, note the badge number labeled on the pole, and look up the badge number in the PGE streetlight inventory which corresponds to the specific pole and its specification including but not limited to wattage, type of light, pole height, etc.