

STREETLIGHTING GUIDELINES

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



Goal Statement:

The purpose of this Streetlighting Guidelines is to provide safety and comfort at public facilities through consistent applications of street lighting levels for safe pedestrian friendly sidewalks/paths and lighting of public streets. Street lighting shall be provided at a level consistent with the use of the street and the lighting level recommended by the Illuminating Engineering Society. The qualities of street lighting should safeguard, facilitate and encourage vehicular and pedestrian traffic. Street lighting shall be evaluated whenever frontage improvements are required by the City Engineer.

Lighting Levels for Streets and Sidewalks/Paths

Street lighting shall provide the following minimum maintained average values

ROADWAY CLASSIFICATIONS	UNIFORMITY RATIO (Eavg / Emin)	REQUIRED HORIZONTAL AVERAGE FOOTCANDLE (UNLESS OTHERWISE STATED)	PAST CITY REQUIRED HORIZONTAL FOOTCANDLE
ROUTES OF REGIONAL SIGNIFICANCE	4 to 1	1.3	1.0
ARTERIALS	4 to 1	1.3	1.0
COLLECTOR*	4 to 1	0.6	0.2
Pedestrian Retail District**	4 to 1	2	2
CORE--residential	4 to 1	0.6	0.2
LOCAL ROADS	6 to 1	0.4	0.1
SIDEWALKS/PATHS	Based on adjacent road way classification	REQUIRED VERTICAL AVERAGE FOOTCANDLE Routes of Regional Significance, Arterial: 1.0 Collector/Core: 0.6 Residential: 0.2	--

*Shadelands business park and Tice Valley Blvd is to provide 1.2 average footcandle as it is a commercial collector zone with 4 to 1 uniform ratio (avg lum/min lum)

**This may include surrounding streets of the Pedestrian Retail District as determined by the Traffic Engineer.

LED Streetlight

1. LED streetlights to be per specified in City standard TS-18.
2. Decorative streetlights to be per specified in City standard TS-19.

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ROADWAY CLASSIFICATION MAP FROM WALNUT CREEK GENERAL PLAN 2025 CHAPTER 5 TRANSPORTATION PAGE 5-8

