

City of Raleigh Street Lighting Developer Requirements

It is the City of Raleigh's responsibility to provide street lighting for areas inside the city limits. Under the development regulations, the developer of a property must pay the Energy provider for installing the underground services as part of their cost. More information in regards to streetlights can be found in the Raleigh Street Design Manual.

From the City of Raleigh Code of Ordinances

Section 10-3059. UNDERGROUND UTILITIES

(d) Street Lights.

The developer, when installing underground electrical and telephone service shall also install at his expense underground terminal facilities for street lighting along public streets according to the standards required by the Illuminating Engineering Society publication Road Lighting; provided however, that the average maintained foot-candle (fc) level for outlying and rural roads as defined in said publication shall be no less than three-tenths (0.3) and the uniformity ratio shall be no greater than sixty-four (64). The City will not take responsibility for any street lighting system until it meets the above standards.

1. The developer is responsible for installation of streetlights on all local access system roadways (residential and commercial), which will be built or improved as part of their development project. (.4 fc and 6:1 uniformity)
2. The developer is responsible for installation of streetlights on all collector system roadways (residential and commercial), which will be built or improved as part of their development project. (.6 fc and 4:1 uniformity)
3. The developer is responsible for installation of streetlights on all minor thoroughfare system roadways, which will be built or improved as part of their development project. (.9 fc and 4:1 uniformity). If the roadway is built to State standards the street lighting is subject to State lighting requirements.
4. The developer is responsible for installation of streetlights on all major system roadways, which will be built or improved as part of their development project (1.2 fc and 4:1 uniformity). If the roadway is built to State standards the street lighting is subject to State lighting requirements.
5. The developer is responsible for installation of streetlights on all secondary system roadways, which will be built or improved as part of his development project. If the roadway is built to State standards, the street lighting is subject to State lighting requirements. The City may opt to participate in streetlight installations that would close any gaps in the streetlight system created by this requirement.

Lighting Design Standards for City Maintained Streets:

<u>Street Classification</u>	<u>Average Maintained Foot-Candles</u>	<u>Uniformity</u>
Central Business District	2.0	4:1
Major Thoroughfare	1.2	4:1
Minor Thoroughfare	.9	4:1
Collector Street	.6	4:1
Residential Streets	.4	6:1

Additional Streetlight Specifications

- Energy provider leased Light-Emitting Diode (LED) streetlight fixtures must be used on public right-of-way if they are to be added to the City account. All troubleshooting, repairs, and maintenance will be conducted by the energy provider.
- The energy provider must develop a lighting plan meeting or exceeding the City of Raleigh lighting standards as stated in Sec. 10-3059 of the City Code of Ordinances. This plan must be approved by Transportation Operations staff before the energy provider is authorized to install.
- The energy provider generally determines the type (wattage) of LED streetlight fixture to be used along each public roadway and the associated pole spacing to meet the City's lighting standards. This can be modified by City staff if need be, and must be approved by staff before installation begins.
- All streetlights must be underground fed, unless overhead infrastructure already exists where streetlights will be placed.
- Underground facility installation and any abnormal costs (trenching, boring, reseeding, rock removal, etc.) associated with streetlight installation must be paid for by the developer, per the Street lighting Developer Requirements.
- In order for the streetlights to be added to the City account, they must be installed on 30' wood or gray fiberglass poles. If gray fiberglass is used, a \$250/pole buy down can be paid to the City in order to have the streetlights added to our account. This buy down must be paid before City staff will authorize the installation of gray fiberglass poles.

- If the developer uses any type of black poles, post-top lamp streetlights, or pedestrian scale lighting the streetlights cannot be added to the City's streetlight account. These must remain on a private account. If a state registered non-profit owner's association exists for the development, an agreement can be drafted to allow for the annual reimbursement of city standard lighting costs to the association.