

An electrical permit application must be submitted and approved for any proposed changes to existing or new exterior lighting. The submitted plans must demonstrate compliance with SeaTac Municipal Code (SMC) Chapter 17, Crime Prevention Through Environmental Design (CPTED).

## SUBMITTAL DOCUMENTS

- **Lighting Plan.** A lighting plan showing all proposed exterior lighting fixtures, and their relationship to buildings, landscaping, and parking areas and including the following information:
  - Isolux or point-by-point photometric calculations at intervals of not more than ten (10) feet, at ground level.
    - the area covered by the photometric shall extend twenty feet (20') beyond the edge of the subject property, to show the effect of the lighting on adjacent properties.
    - the photometric shall include a summary data table, showing:
      - maximum light level ratios;
      - minimum light level ratios;
      - maximum to minimum light level ratios, and;
      - average to minimum light level ratios.
  - Specifications for all proposed lighting fixtures including designation as IESNA "cut-off" fixtures, Color Rendering Index (CRI) of all lamps (bulbs), and other descriptive information on the fixtures.
- **Luminaire Cut Sheets.** Manufacturer's "cut sheets" showing the height and type of lighting fixtures.

## LIGHTING STANDARDS *(The items below represent a few of the common requirements but do not represent the full code text.)*

- **Lighting Levels.** Exterior lighting levels shall be designed in strict conformance with IESNA (Illuminating Engineering Society of North America) standards, as periodically revised and updated. Any increase or decrease in lighting levels above or below the minimum IESNA levels shall be approved by the Department of Community and Economic Development
- **Light Standard Height.** Light standards shall be limited in height as follows:
  - no greater than 16 feet in height in the City Center;
  - no greater than 25 feet in height in all other cases.
- **Exterior Glare Shields.** All new exterior lighting adjacent to a noncompatible use (such as any commercial or multi-family use adjacent to single family residential) shall have external shields of sufficient length to shield light and prevent glare from reaching adjacent properties.
- **Pedestrian Lighting.** In addition to parking lot lighting, pedestrian-level lighting shall be provided for all **retail, office, and housing uses** and for **other uses with substantial pedestrian activity**. Such lighting may include bollards, pedestrian-height fixtures, building façade lighting, path lighting and landscaping/accent lighting. To prevent glare, all light fixtures shall be selected and oriented so that the luminaire source is not visible or is shielded from view.
- **Canopy Lighting.** Any lighting under canopies (such as gas station service areas, or covered parking drop off areas) shall be recessed into the canopy structure.

The full text of the Exterior Lighting Standard (Title 17.20) can be found at:

<http://www.codepublishing.com/WA/SeaTac/>