



City of San Jose Interim Lighting Policy Broad Spectrum Lighting (LED) for Private Development

A Permit Adjustment which includes the following information and demonstrates conformance with the identified standards is required in order to obtain approval for an exception to the required use of Low Pressure Sodium Lighting on private development:

Outdoor Lighting Plan

Provide an Outdoor Lighting Plan including:

- Luminaire Schedule (number, lamp type, wattage, color rendering index (CRI), Correlated Color Temperature (CCT), Backlight, Uplight, and Glare (BUG) Rating, pole height, distribution type)
- Photometric grid showing illumination levels from all exterior light sources (per LM-79-08¹).
- Manufactures specification for all proposed lighting fixtures.

Illumination Levels

- CBEA Site Lighting Performance Specification for Light Zone 2
http://apps1.eere.energy.gov/buildings/publications/pdfs/alliances/cbea_led_site_lighting_spec.pdf

or

- IESNA RP-33-99 Lighting for Exterior Environments
- IESNA RP-8-00 - Standard Practice for Roadway Lighting,(Private Streets & Adjacent Sidewalks)
- IESNA DG-5-94 – Recommended Lighting for Walkways and Class 1 Bikeways
- IESNA RP-20-98 – Lighting for Parking Facilities
- Average illumination levels not exceeding IESNA standards by more than 0.2 foot candles

Backlight, Uplight & Glare

- CALGreen Nonresidential Mandatory Measures 5.106.8 - Maximum BUG Ratings.¹ (Lighting Zone 3)
- Zoning Code Section 20.40.530:
 - Light fixture heights should not exceed eight feet when adjacent to residential uses unless the setback of the fixture from property line is twice the height of the fixture.
 - No ground mounted light fixture shall exceed twenty-five feet in height.
- Any lighting located adjacent to riparian areas shall be directed downward and away from riparian areas.

Correlated Color Temperature

- The Correlated Color Temperature (CCT) should fall within the recommended range of (3500-4300K) in accordance with the City of San Jose Public Streetlight Design Guide as amended.

Dimming

- Light Level must be reduced for a minimum of 6 hours with a 50% light level reduction, beginning no later than 12 AM.

1. IES LM-79-08 Electrical and Photometric Measurements of Solid-State Lighting Products Illuminating Engineering Society