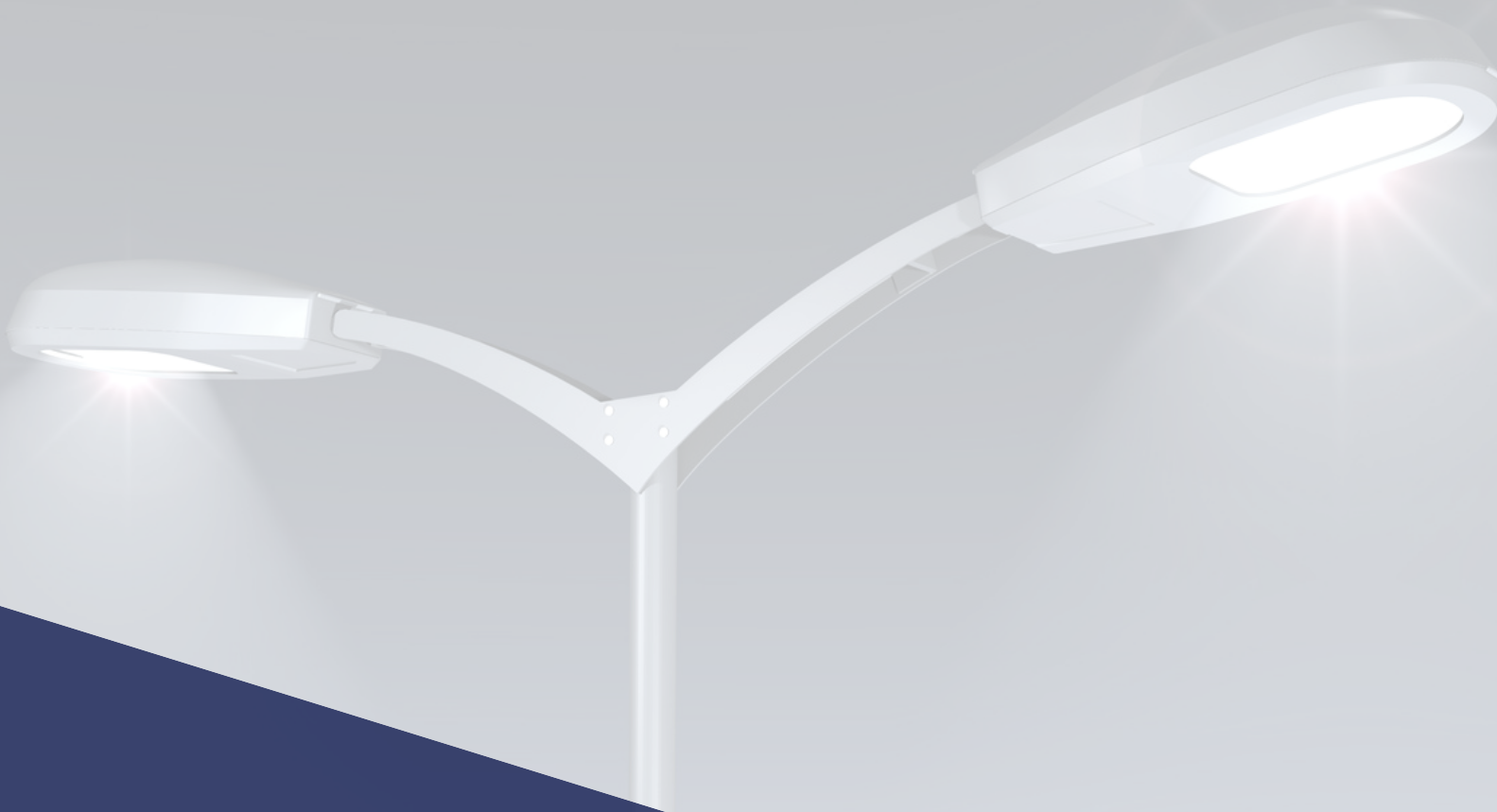


CITY OF FREMONT 2016 BUILDING CODES

Outdoor Lighting Requirement



Under the 2016 California Energy Code, maximum allowable wattages are established for various non-residential outdoor lighting applications.

To promote the use of high-efficiency LED lighting in these types of applications, the City of Fremont adopted a requirement that further reduces the maximum allowable wattages of outdoor lighting fixtures in new commercial construction projects and major retrofits.



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What is the requirement?

Section 140.7 of the California Energy Code sets requirements for outdoor lighting. Table 140.7-B, Additional Lighting Power Allowances for Specific Applications, provides the allowable wattage for specific applications, calculated according to Outdoor Lighting Zone. The City of Fremont has adopted a prescriptive outdoor lighting ordinance that replaces Table 140.7-B with an alternative table containing lower lighting power allowances for both new construction and retrofit projects

(50 percent or more replacement of luminaires) under the following commercial usage types:

- Primary Entrances to Senior Care Facilities, Police Stations, Hospitals, Fire Stations, and Emergency Vehicle Facilities
- Drive Up Windows
- Outdoor Sales Frontage
- Outdoor Sales Lots
- Vehicle Service Station Hardscape
- Non-Sales Canopies and Tunnels
- Outdoor Dining

For detailed information, visit the City of Fremont's municipal code section:

Chapter 15.44 – Fremont Energy Code

www.codepublishing.com/CA/Fremont/?Fremont15/Fremont1544.html

What are the benefits?

The City of Fremont has recently upgraded municipally owned and managed street, park, and exterior facility lighting with high-efficiency LED technologies to save energy and increase safety.

Reducing the maximum allowable wattages for outdoor lighting in non-residential developments:

- Promotes the use of high-quality LED technologies
- Offers long-term energy savings
- Reduces greenhouse gas emissions
- Enables the use of more advanced lighting controls
- Increases nighttime visibility



What resources are available?

- Pacific Gas & Electric Company (PG&E) offers a free download of the “Exterior Lighting Solutions for Businesses” guidebook. info.pge.com/external-lighting-guide
- The California Lighting Technology Center provides resources that are designed to help builders and lighting industry professionals become more familiar with California's Building Energy Efficiency Standards. cltc.ucdavis.edu/title24
- PG&E provides direct rebates for a variety of business energy improvements, including LED lighting projects. www.pge.com/businessrebates
- East Bay Energy Watch provides customized PG&E rebates and direct-install lighting upgrade services for small and medium sized commercial customers. www.ebew.org/business