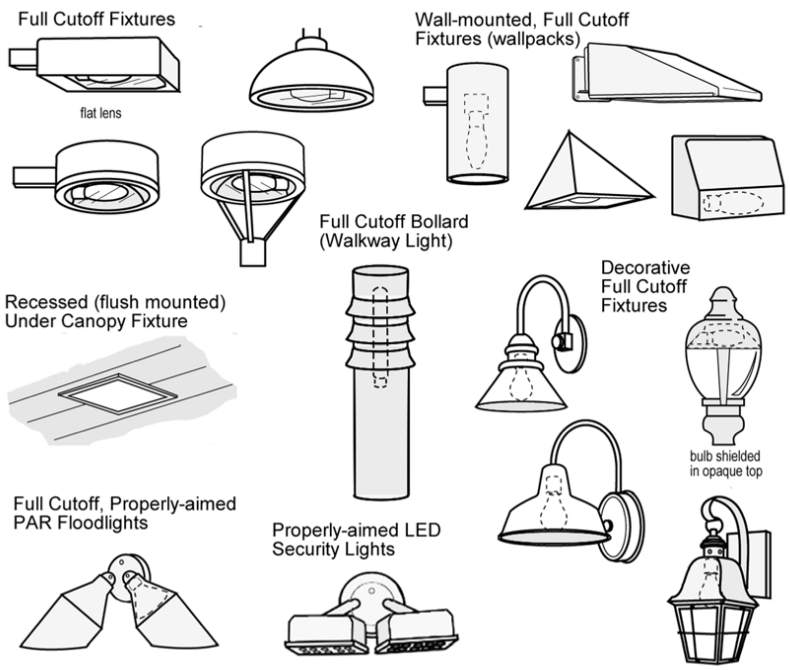
TECHNICAL TERMS USED FOR LIGHTING

What are Shielded Fixtures?

A shielded fixture is one where the complete lighting unit (including the lamp and all its components) is constructed such that the light emitted by the fixture, projects only below the horizontal plane.



Shielded fixtures of TWO types are allowed in the Ordinance:

a. **All new lighting is required to be FULLY-SHIELDED** (i.e. where ALL light emitted is below the horizontal plane)

b. **PARTIALLY-SHIELDED fixtures are only allowed for porch lights, and outdoor recreational facilities**

(i.e., where MOST light is emitted below the horizontal plane. In the event that there is light emitted above the horizontal plane, it arises only from decorative elements or diffusing materials, e.g., frosted/colored glass or plastic.)

What does 3,000 Kelvin look like?

A Kelvin (K) is a measure of color temperature, or the warmth or coolness of light.

Color temperatures greater than 4,000 Kelvin are bluish-white in tone and are typically considered to be "cooler" colors. Lamps with color temperatures of less than 3,000 Kelvin are yellowish and are considered to be "warm".

The Ordinance allows for a maximum of 3,000 Kelvin.*

** Security lighting may have a cooler color (i.e. higher than 3,000 Kelvin), if required for security cameras. Outdoor recreational lighting may also be higher than 3,000 Kelvin. See the ordinance for details.*

How do Lumens differ from Watts?

Unlike watts, which measures the amount of energy (or power) consumed, lumens are a unit of measure which quantify the amount of light produced by a lamp, i.e., the brightness.

The Ordinance requires that each lamp emit a maximum of 850 lumens.*

BULB \ BRIGHTNESS	450 lumens	800 lumens	1100 lumens	1600 lumens	2600 lumens	5800 lumens
LED	6W	9-10W	13W	16-18W	24W	45W special high voltage lamps
CFL	8-9W	13-14W	18-19W	23W	40W	85W
Regular Incandescent	40W	60W	75W	100W	150W	300W
Halogen	29W	43W	53W	72W	150W	300W

Generally, 850 lumens is equivalent to the amount of light produced by a 60-watt incandescent light bulb (or a 10-watt LED bulb).

** Security lighting may have lamps with a maximum of 2,600 lumens as long as they are on motion sensors. Outdoor recreational lighting may also be higher than 850 lumens. See the ordinance for details.*

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