

7-9-114. LIGHTING.

(1) Lighting used to illuminate any off-street parking spaces, vehicle maneuvering areas, or loading/unloading areas must conform to the following standards:

- (a) Illumination of driveway access to streets shall at least match any local public lighting.
- (b) Light poles shall be set on pillars or placed in landscaped areas to minimize direct contact with vehicles.
- (c) To reduce light pollution, lighting systems must obscure the lamp image to direct light where needed.
- (d) Luminaire mounting height must reasonably match the scale of the surrounding buildings.
- (e) Noise created by electromagnetic ballasts shall be kept to a minimum and must not be noticeable above ambient background levels.
- (f) Illuminance levels shall conform to the standards outlined in the table below:

Land Use	Minimum Horizontal Footcandles	Minimum Vertical Footcandles
Commercial	0.5	0.25
Residential, Institutional and Industrial	0.2	0.1

(g) Lighting shall be arranged or directed as to reflect the light away from adjacent properties and to prevent glare for street traffic. The intensity of light at adjoining residential properties shall not exceed 0.1 footcandles.

- (2) Lighting plans submitted for review must include:
  - (a) The location and height of all light poles;
  - (b) Predicted illumination levels, which are based on maintained illumination levels just prior to lamp replacement and luminaire cleaning, within, at and beyond property lines.
- (3) Designers of lighting plans must consider:
  - (a) Shadow effects of trees, signs, buildings, screen walls or other fixed objects.
  - (b) Illumination of the entire off-street parking area sufficiently to allow pedestrians and motorists to see potential danger in their peripheral vision, to promote pedestrian and vehicle safety and to prevent assault, theft and vandalism.

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