Section 21.14 – LIGHTING

The intent and purpose of these standards is to reasonably regulate lighting in a manner which reduces or prevents light pollution and minimizes lighting impacts on surrounding lots.

Except for lighting required or permitted by law and subject to public agency enforcement, lighting in AR-1 Agricultural Residential, and lighting in FR-1 Farm Residential districts, all exterior lighting shall comply with these standards unless specifically exempted or otherwise stipulated and/or modified by the regulations within a specific Zoning District of this Zoning Resolution.

Lighting that existed prior to the effective date of this Resolution shall be considered a legal nonconforming use and may remain until the light fixture or supporting pole is replaced. Replacement lighting shall comply with this Article.

A. Lighting Standards:
   1. All outdoor lighting fixtures shall be full cutoff lighting fixtures as defined by this Resolution.
   2. No lighting may be installed within a public right-of-way except where authorized or installed by government entities or their designees.
   3. All lighting shall be directed downward and fully shielded to prevent direct visibility of the light source from adjoining properties and so as to not shine onto a roadway where it causes visibility interference to any driver or pedestrian.
   4. Lighting poles or building mounted light fixtures shall not exceed a height of twelve (12) feet on parcels zoned for residential use and twenty (20) feet on parcels zoned for non-residential use. The height shall be measured from established finished grade adjacent to the light to the topmost point of the fixture.
   5. All lighting must have a color temperature of 3,000 kelvin or less and must use light colors no bluer than “warm white”.
   6. No lighting shall produce more than 1,600 lumens on parcels zoned for residential use and 3,000 lumens on parcels zoned for non-residential use.
   7. Outdoor lighting fixtures on parcels zoned for non-residential uses must remain off between the hours of 10:00PM and 6:00AM. Lights used exclusively for safety and/or security purposes may remain on outside the prohibited hours, provided the lighting produces no more than 1,500 lumens. Automatic shut-off fixtures, auto dimming to adjust lighting

based on ambient lighting, and the use of as little lighting as necessary without creating safety issues are encouraged.

8. Lighting shall be designed and located in accordance with the illumination levels outlined in the following table "Maximum Illumination Level at the Property Line". Maximum illumination shall be measured in accordance with Section D below.

Maximum Illumination Level at the Property Line

Neighboring Property Zoning Classification	**Maximum Illumination at the Property Line**
All residential zoning districts	0.2 foot-candle
All non-residential zoning districts	1.0 foot-candle

B. Prohibited Lighting:

1. Search lights, beacons, digital lighting, laser source lights, rotating lights, flashing lights, blinking lights, fluttering lights, or any similar high-intensity lights.
2. Uplighting, except for decorative lighting that is directed entirely at a building or used in a fountain and complies with all other aspects of this article.

C. Exemptions to Prohibited Lighting:

1. Illuminated flagpoles for governmental or institutional flags when the flag is flying.
2. Temporary holiday lighting in use for 60 days or less.
3. Any outdoor lighting produced directly by fossil-fuel combustion.

D. Light Measurement Technique: Light levels shall be measured at the lot line separating the subject property from any neighboring property. If measurement on private property is not possible or practical, light levels may be measured at the boundary of the public street right-of-way that adjoins the subject property or at any other location on the subject property. Measurements shall be made at finished grade (ground level), with the light-registering portion of the meter held parallel to the ground pointing up. Measurements shall be taken using a calibrated light meter capable of measuring horizontal foot-candles.

ARTICLE IV – DEFINITION OF TERMS (to be added to Article IV. I have multiple options in some instances where we need to review and decide on which definition we want to use.)

COLOR TEMPERATURE/ CORRELATED COLOR TEMPERATURE (CCT): A measure of light source color appearance, expressed in kelvins (K), ranging from one thousand degrees kelvin (1,000°K) to ten thousand degrees kelvin (10,000°K).

FOOT-CANDLE**:** A unit that measures the amount of light that falls onto a surface as emitted by an exterior lighting device. For the purposes of this Resolution, foot-candle refers to horizontal foot-candles rather than vertical.

FULLY SHIELDED (LIGHTING): A light fixture constructed in such a manner that all light emitted by the fixture, either directly from the lamp or a diffusing element, or indirectly by reflection or refraction from any part of the light fixture, is projected below the horizontal plane.

LIGHT FIXTURE: A complete electrical device that holds a light bulb, has a power source, provides illumination, and is permanently or semi-permanently attached to a building, pole, structure, or other mounting source.

UPLIGHTING: Any light source that is directed in such a manner as to shine light rays above the horizontal plane.