

**TOWN OF SILVER CLIFF, COLORADO
ORDINANCE # 01-2015**

AN ORDINANCE OF THE BOARD OF TRUSTEES OF THE TOWN OF SILVER CLIFF LIGHTING ORDINANCE FOR PUBLIC RIGHT-OF-WAYS AND ALL NEW CONSTRUCTION INCLUDING SUBDIVISIONS AND STREET ADDITIONS.

WHEREAS, the Board of Trustees of the Town of Silver Cliff has determined that the Town should add to its existing Town Codes to include an Lighting Ordinance for all new construction done in the Town of Silver Cliffs and its Right-of-Ways to ensure the health, safety and welfare of our citizens, and;

WHEREAS, the Statutes of the State of Colorado provide for the adoption of such codes by reference;

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF TRUSTEES OF THE TOWN OF SILVER CLIFF, COLORADO.

SECTION 1. The purpose of this ordinance is to protect and preserve the quality of life, health, and safety of the citizens of the Town of Silver Cliff by providing adequate lighting, enacting a street light plan, and installing outdoor lighting that prevents and reduces unnecessary light pollution.

SECTION 2. The Board of Trustees of the Town of Silver Cliff has determined that it is in the best interests of the Town to be classified as a “Dark Skies Community” by the International Dark-Sky Association.

SECTION 3: Definitions

Fully Shielded: A lighting 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 luminaire, is projected below the horizontal.

Light Pollution: Any and all nuisances caused by adverse effect of manmade light, including but not limited to glare, light trespass, sky glow, visual clutter, and wasted energy due to excessive or unnecessary lighting; or artificial light that

unnecessarily diminishes the ability to view the night sky or is disruptive to flora and fauna.

Light Trespass: Light projected across property lines or into the public right-of-way when it is not required or permitted to do so.

Lumen: A unit used to measure the amount of light that is produced by a light source. The lumen qualifies the amount of light energy produced by a lamp at the lamp, not by the energy input, which is indicated by the wattage. One foot-candle means one lumen per square foot of area illuminated.

Unshielded Fixture: A fixture which, as designed or installed, emits all or part of the light above the lowest part of the light source.

SECTION 4: Outdoor Lighting:

The purpose of these lighting standards and the policy of the Town of Silver Cliff is to minimize glare and light trespass by limiting outdoor lighting that is misdirected, excessive, or unnecessary. The density of outdoor lighting, whether, shielded or unshielded, shall not exceed in aggregate 50,000 lumens per acre in all zones.

- a) Highway, neighborhood street, and property lighting shall conform to the ordinance of the Town of Silver Cliff as set forth, and the international Dark-Sky Association conformities.
- b) All outdoor lighting shall be shielded so that direct light from the fixture does not trespass on neighboring property. Figure A shows examples of fixtures that are generally Unacceptable or Acceptable in meeting this section. A practical way to determine if a light fixture will conform to this provision is to not allow light to escape above a horizontal plane running through the lowest point of the luminous elements: the lamp or tube, any reflective surface or lens cover (clear or prismatic) must not be visible when viewed from above or the side.
- c) Street lighting and associated underground street lighting supply circuits shall be installed. The minimum requirement shall be .4 foot candles on the

street. All street lights shall be fully shielded such that they produce no light higher than the horizontal plane of the light source. The street lighting plan specifying the number and approximate location of street lights must be included in the final plat. The style of fixture shall be the standard, Town-approved style for the street and parking lot lights within the Town.

- d) The installation of any mercury vapor fixture or lamp for use as outdoor lighting is prohibited. Only high pressure sodium (HIPS), low pressure sodium (LPS), LED or incandescent fixtures shall be permitted in commercial and multifamily residential parking areas. In addition, the level of illumination shall not exceed the maximum lumens as stated in this ordinance.
- e) Lighting shall be placed as to prevent the light rays or illumination there from being cast beyond property lines.
- f) Height of the light pole is set to provide the most efficient lighting for the area with safety of the Town as priority, and the photometrics (cone of light) set by limiting the height of the light source. The maximum height of the poles from the top to the ground will not exceed 30 feet.
- g) All metal halide and fluorescent fixtures shall be filtered with glass, acrylic or translucent enclosures.
- h) Incandescent Lights 100 watts and less per fixture, fluorescent lights 40 watts and less per fixture, gas fired fixtures, and lights used for holiday decorations are exempt from the requirements of this ordinance.
- i) Dark Sky Association Regulations as of February 23, 2015 and Recommendations for lighting fixtures, wattage output, Kelvins, Lumens, and Photometrics are incorporated in this ordinance to maintain certification as an International Dark Sky Community and participant.

SECTION 5

That this ordinance and rules, regulations, provisions, requirements, orders and matters established and adopted hereby shall take effect and be in full force 30 days from and after the date of its final passage, adoption, and publication.

INTRODUCED FEBRUARY 2, 2015

PASSED AND APPROVED ON THIS 23 DAY OF FEBRUARY, 2015.

By: Larry Weber, Mayor

ATTEST:

Ileen Squire, Town Clerk

Approved As To Form:

Peter F. Michaelson P.C., Town Attorney