

**TOWN OF MORRISON, COLORADO  
BOARD OF TRUSTEES  
ORDINANCE NO. 479**

**AN ORDINANCE AMENDING TITLE 10 CHAPTER 8, OF THE  
MORRISON MUNICIPAL CODE CONCERNING OUTDOOR  
LIGHTING**

**WHEREAS**, the Town of Morrison is a Colorado home rule municipality operating under a Charter approved by the electorate pursuant to Article XX of the Colorado Constitution and governed by its elected Board of Trustees; and

**WHEREAS**, the Board of Trustees has authority pursuant to the Home Rule Charter and C.R.S. §31-16-101, et seq. to adopt and enforce all ordinances; and

**WHEREAS**, in the exercise of this authority, the Board of Trustees has previously enacted Chapter 8 of Title 10, of the Morrison Municipal Code, entitled Outdoor Lighting.

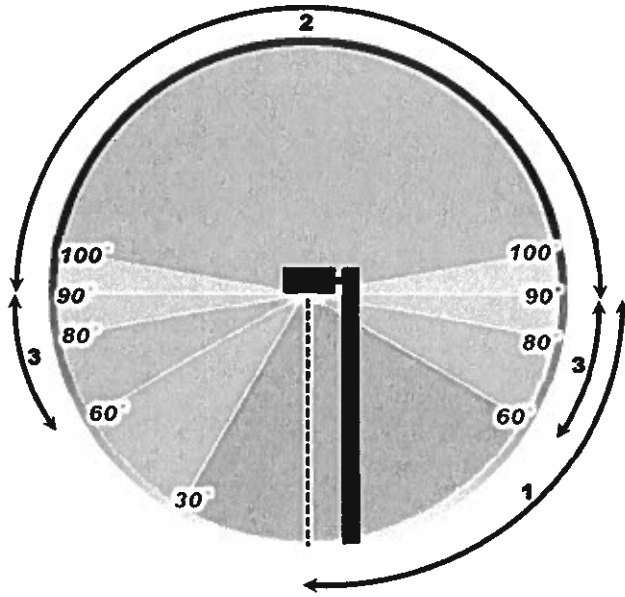
**NOW, THEREFORE, BE IT ORDAINED** by the Board of Trustees of the Town of Morrison, Colorado, that:

**Section 1. Municipal Code amended.** Subsections A, B, C, F and M of Section 10-8-8 of Title 10 are amended as follows:

**CHAPTER 8 OUTDOOR LIGHTING**

- A. Light Trespass Not Permitted: Outdoor lighting shall not cause light trespass on adjacent property or public rights of way, EXCEPT IN THE OLD TOWN OVERLAY DISTRICT WHERE LIGHT TRESPASS ONTO AN ADJACENT PUBLIC SIDEWALK MAY NOT EXCEED TWO (2) FOOT CANDLES. This restriction is the overarching standard to be applied to all outdoor lighting considerations.
- B. ~~Light Sources Shall Be Concealed: Any light source that is not fully shielded shall use material other than a clear lens material to enclose the light source. The point light source shall not be visible from adjacent properties or rights of~~ WAYALL LIGHTING USING LAMPS OR LIGHT SOURCES RATED GREATER THAN 150 WATTS SHALL COMPLY WITH THE BUG RATING LIGHTING ZONE 1 (LZ1) AS REQUIRED BY THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) "LUMINAIRE CLASSIFICATION SYSTEM FOR OUTDOOR LUMINAIRES," AS AMENDED, EXCEPT AS REQUIRED FOR HEALTH AND SAFETY. THE LETTER WILL INDICATE THE TYPE OF FEATURE BEING RATED: B FOR BACKLIGHT, U FOR UPLIGHT, AND G FOR GLARE AND IS VISUALLY REPRESENTED IN FIGURE A BELOW. THE NUMBER WILL CORRESPOND TO A SPECIFIC PHOTOMETRIC READING FROM THE LIGHT FIXTURE THAT HAS BEEN DEFINED BY THE IES AND IS THUS CONSISTENT AMONG MANUFACTURERS. THE BUG RATING FOR LZ1 IS B-1, U-0 AND G-1.

**FIGURE A BUG DIAGRAM**



**1. Backlight**

All illumination behind a luminaire, also causing light trespass, which occurs when light spills into unwanted areas.

**2. Uplight**

Excess light directed upwards into the night sky, above 90 degrees, causing night pollution or artificial sky glow.

**3. Glare**

Caused by light emittance between 60 and 90 degrees around a luminaire, which can be uncomfortable and even hazardous.

C. Color Temperature Higher Than Three Thousand Four Hundred Kelvin: Outdoor light sources with a correlated color temperature higher than three thousand (3000)(3400) K are prohibited within the town; including, but not limited to: LED, mercury vapor, cool metal halide, low pressure sodium, neon and fluorescent.

F. Upward Direction Lights: Upward direction lights (~~architectural, landscaping, decorative, etc.~~) must be so shielded so there is no light trespass. In addition, lights for this purpose shall be fully contained within the vertical surface of the wall or object illuminated; this requirement may be satisfied either by an opaque top panel to the fixture, or by architectural overhang of the building so lighted. Light sources of upward direction lights shall not exceed thirty five (35) watts and shall not be visible from the property line or any public right of way are prohibited, except as provided for herein. Lighting used for architectural purposes shall be confined from projecting into the sky by full direction on intended walls and/or by eaves, roofs, overhangs, or similar architectural features.

M. Maximum Intensity: Maximum intensity of any outdoor lighting shall be ten (10) foot-candles, measured at ground level, except as otherwise provided herein.

**Section 2. Effective date.** This Ordinance shall take effect fifteen (15) days after adoption and publication as provided by Section 3.14 of the Home Rule Charter.

**INTRODUCED, READ, PASSED AND ADOPTED** this 2nd day of July, 2019, by a vote of 5 ayes and 1 nays.

**TOWN OF MORRISON:**

*Sean K. Forey*

Sean K. Forey, Mayor

**ATTEST:**

*Lyndsey Paavilainen*

Lyndsey Paavilainen, Town Clerk

