

Focus Buds LLC Lighting Plan

Light Pollution Abatement

We are committed to being responsible stewards of the environment and good neighbors to the Huerfano Community. We will balance meeting the requirements of the State of Colorado Marijuana Enforcement Division with the Huerfano County Land Use Dark Sky regulations found at Section 15 of the Huerfano County Land Use Code.

MED security video surveillance regulations found at R 3-225 require that security cameras shall be capable of identifying activity occurring within 20 feet of all points of ingress and egress and allow for clear and certain identification of any individual and activities on the Licensed Premises. To maintain compliance with these security measures mandated by the MED, we intend to install sufficient lighting to capture all such individuals and activities, but will balance that with the Huerfano County Dark Sky regulations and mitigate fugitive light pollution from our marijuana cultivation facility as follows:

1. Pursuant to Huerfano County Land Use Code Section 15, we will adopt the following practices for outdoor lighting:
 - a. Shield all fixtures over 175 watts
 - b. Limit any pole-mounted light to no more than 25 feet in height
 - c. Design, locate, install and direct all lighting in such a manner to prevent objectionable light at and across property lines and to prevent glare at any location on or off the property – our facility cannot be seen from the entrance as it is a significant distance away and requires navigating over a dyke and increased elevation to access.
 - d. We will utilize the lowest possible illumination to effectively allow surveillance and not to exceed five (5) foot-candles, and shall be shielded and aimed to that illumination is directed to designated areas.

2. To prevent light pollution from indoor light sources, we have invested in and implemented the following systems:
 - a. Light Abatement Screens and Curtains: Our greenhouse facility possesses state-of-the-art automated light abatement screens and curtains to minimize light pollution, particularly during nighttime hours when supplemental lights might be utilized depending on our plants' season and growing phase.
 - b. Vertical, Retractable Light-Restricting Screens: Along the sidewalls of our greenhouse, we have installed vertical, retractable screens explicitly designed to block light from all directions. These screens will effectively contain light within the greenhouse, significantly diminishing the spillage of light into the surrounding environment.
 - c. Specialized Overhead Screens: Our greenhouse will feature specialized overhead screens designed to combat light pollution. These screens have reflective upper and lower sides. The upper side reflects sunlight, preventing heat buildup within the greenhouse during daylight hours. The lower side reflects light from lamps back toward the crop, increasing light intensity within the greenhouse while minimizing external light emission.

Light Usage and Compliance

Utilizing the above systems, the light inside the greenhouse will not be visible from outside. It will be used only to supplement natural light during nighttime hours, especially during the vegetative state of growth or when sunlight is not sufficient, such as in winter or foul weather. For instance, marijuana plants in the vegetative stage of growth may require 18 hours of sunlight, while the flowering stage of growth requires approximately 12 hours of light. Decisions to use supplemental lights will be based on the season and the plant growth phase.

We are committed to transparency, compliance, and continuous improvement and will always value and respect the community's interest while we pursue our operational needs. We look forward to running operations that ensure our operations align with the values and interests of our community.