

# LISSARA LIGHTING ORDINANCE

*An evolving process based on the recommendations and guidelines of the International Dark-Sky Association*

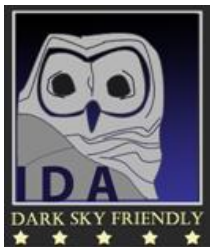
## AN INTRODUCTION

Every aspect of the Lissara concept and design has centered on minimizing our presence; not the least of which is the increase of lighting imposed by the human population. Therefore, Lissara is a member of the International Dark-Sky Association and has adopted their guidelines for our development policy. The Lake at Lissara Home Owners Association, Architectural Review Committee, has unilateral authority of all outdoor lighting of our neighborhood. We can at our sole discretion decide whether to allow, and if so, how much outdoor lighting to allow, individually by lot. So if you are considering ANY outdoor lighting it is highly recommended you advise your HOA as early in the process as possible for ongoing updates to our policy, restrictions and guidelines. With the ongoing construction of new residences and resulting cumulative ambient light, as well as the progressive growth of new science, technology and standards; we expect our restrictions to fluctuate and to be refined.

## MISSION STATEMENT

Minimize and mitigate the imposition of excessive, reflective, direct and ambient lighting resulting from the residential development of the Lissara neighborhood in order to reduce the impact on the night sky, environment, plants, wildlife and neighbors.

## Starry, starry nights



The night sky at Lissara is beautiful. We want to keep it that way. Removed from the lights of nearby urban surroundings, Lissara is dedicated to minimizing light pollution, which will help keep the sky dark and the stars bright. The Observation Decks at the Timberlake Lodge offer an inviting setting for you to explore the stars and planets. Lissara, in concert with Bob Timberlake and architect Norman L. Zimmerman, selected and applied exterior lighting for the Timberlake Lodge and the neighborhood street lights consistent with those guidelines. Even the roadways within

Lissara were designed with the night sky in mind. The community's sinuous roads minimize extended direct illumination from automobiles. Whether in the Townlands, Woodlands, on the lake or in the Estates, all will work to minimize their light signatures so that you can share the stars with your family. A member of the International Dark Sky Association (IDA), Lissara utilizes the IDA handbook as guidance in complying with Dark Sky Friendly lighting practices.



Van Gogh's night sky is a field of roiling energy. Below the exploding stars, the village is a place of quiet order. Connecting earth and sky is the flame-like cypress. "Looking at the stars always makes me dream," he said, "Why, I ask myself, shouldn't the shining dots of the sky be as accessible as the black dots on the map of France?" The artist wrote of his experience to his brother Theo: "This morning I saw the country from my window a long time before sunrise, with nothing but the morning star," (Venus), "which looked very big."

The Starry Night. Vincent van Gogh 1889  
Place of Creation: Saint-rémy-de-provence, France

## REQUIREMENTS

### **Applies to all Outdoor Lighting.**

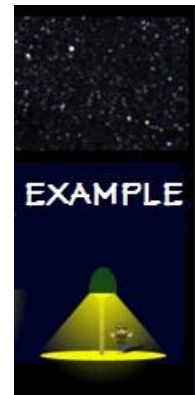
No architectural up-lighting. However, there exist situations where homesites and associated lighting set higher in elevation than adjacent neighbors, roads, common areas and, of course, our coveted Lake Lissara. In those cases it is probable that some up lighting more effectively achieves our overall goals. Where this occurs, up lighting shall be designed to not extend beyond the structure.

No landscape up-lighting is allowed.

No unshielded flood or spotlight fixtures will be allowed. For shielded flood or spot lights a maximum wattage of 60w incandescent equivalent. No flood or spot light bulbs can be used. All lights must be directed at the ground where the light source shall not exceed a 45 degree spread outward from a vertical plane.

No horizontal light shed is allowed beyond 45 degrees. Note: Depending on lot, location and elevation in relation to adjacent or surrounding common areas, residences and roadways; additional restrictions may be applied to further stop light trespass onto lower elevations.

All fixtures must be shielded to achieve a soft and subtle light where the light source is not seen and no "hot spots" are created.



All wall-mounted fixtures shall be shielded. Wall-mounted fixtures shall have opaque or frosted glass. Amber-colored frosted glass or mica lenses are preferred. Wall-mounted fixtures shall have a maximum light output not to exceed 40w incandescent equivalent.

No colored exterior lighting shall be allowed. All lighting shall favor the yellow-side of white light (3500-2500 Kelvin scale). No blue-colored LED lighting shall be allowed.

Temporary, colored and decorative holiday lighting may be installed in celebration for a period not to exceed a thirty (30) day period with removal required within five (5) days after the holiday. An extended operation period of one (1) hour is allowed beyond normal Lissara Lighting Ordinance (LLO) standards.

### **Operation/Hours of Operation.**

First and foremost, be courteous of your Lissara neighbor. Many owners have chosen to live here because of our natural environment, the developers' obvious efforts to protect the beauty of the land and even more-so the commitment to protecting our dark night skies.

Out of courtesy, if you are not outside, turn your outdoor lighting off.

All flood or spot light fixtures must be on a timer or be on motion-sensor. Motion sensors must reset (turn-off) in less than five (5) minutes.

All landscape and architectural lighting shall be on a world clock timer which automatically adjusts for sunrise, sunset and daylight-savings time.

Normal hours of operation for timed lights will be from Dusk until 9:00 PM EST and 10:00 PM EDST except for parties and special occasions where they must be turned-off as early as possible. If they are not in need it is preferred they are turned-off.

**Required Submission to The Lake at Lissara, HOA, Architectural Review Committee**

Outdoor lighting plan and specification submittal, including landscape lighting plan, an accurate representation (sketch or drawing) showing fixture locations, proposed fixture catalogue cut-sheets, fixture quantity, fixture color fixture orientation and lighting output (lumens), by fixture. Additional graphic representations may be required to provide adequate information for a thoughtful and thorough review.



Buyer(s)\_\_\_\_\_

Buyer(s)\_\_\_\_\_

Date\_\_\_\_\_