

Per Troon Ridge Community Association's Design Requirements and Procedures:

**3.9 Lighting.** All exterior lighting plans for projects, including lighting for individual lots, shall be subject to approval by the Architectural Committee. All exterior lighting must be designed to meet the City of Scottsdale's night "dark sky" philosophy which discourages increased night light pollution. The owner shall use minimum brightness of shining light. Outdoor floodlights must be used judiciously to reduce glare and reflection, aimed downward, and must not be left on overnight.

Troon Ridge is part of the City of Scottsdale's "E-2, Estate/Rural" Ambient Lighting Zone, the darkest permitted ambient light level above "E-1, Intrinsically Dark Areas," which includes the areas surrounding Troon Ridge.

All exterior lighting must be consistent with the City of Scottsdale's "dark sky" philosophy, and the Maricopa County Dark Sky Ordinance. Lighting designs must be designed to minimize glare and light trespass, to maximize energy conservation, and to maintain dark skies.

1. **ALL lights must be full cutoff, meaning the source of light (the bulb) must not be visible, and all light must be directed down.** Clear bulbs with exposed filaments and/or fixtures with clear glass panes are not full cutoff and not approved.
2. **Lighting with output equal to or over 2600 lumens (the approximate equivalent of 150 Incandescent Watts or 27 LED Watts) shall not be operated between 11:00 p.m. and 6:00 a.m.**

**Note:** An exception is approved for security lighting, which may be operated for a period of not more than 15 minutes. It is recommended that this be accomplished via motion sensors set to a timer that responds to activity and that cuts off before that time limit.

3. **Full cut-off fixtures, mounting heights and shielding must be utilized to effectively control glare and light trespass.**
4. Landscape lighting should only be utilized to accent key features, should be pointed away from property lines, and fixtures shall contain extension shields to minimize glare and light source visibility.
5. It is strongly recommended that lights should be designated as "dark sky fixtures" in the manufacturer's cut sheets, that color of lighting should be in the warm color spectrum (2700 K or less), and that light output should be low (less than 600 lumens).