

Amended Dark Sky Policy (Proposed amendments in red)

Northfield City Code, Chapter 34 (Land Development Code), Article 3.3

3.3.4 Outdoor Lighting Standards .

(A) **Purpose** . It is the purpose of these lighting standards to recognize the values as expressed by the International Dark Sky Association and implement lighting standards that will serve to enhance the value of dark sky and minimize ambient lighting to the degree possible. These regulations are intended to minimize the spillover of light and glare on operators of motor vehicles, pedestrians, and land uses in the proximity of the light source. With respect to motor vehicles in particular, safety considerations form the basis of the regulations contained in this section. In other cases, both the nuisance and hazard aspects of glare are the basis for these regulations.

(B)Outdoor Lighting Plan.

(1)An exterior light plan shall be required for the installation or modification of exterior lights for any project requiring site plan review (See Section 8.4.5, Type 2 Review Procedure).

(2)The lighting plan shall be prepared by a certified professional either an architect, landscape architect or lighting designer.

(3)The applicant must provide a plan that identifies the location, height and type of luminaries and shows how the applicant intends to comply with this section.

(4)A photometric plan of the site and fixture data sheets must be submitted with the site plan in order to determine the effect of the luminaries on surrounding properties.

(C)Outdoor Lighting Standards .

(1)The placement of light poles within raised curb planter areas or landscaped islands is encouraged to the extent practical. Where conflict may occur as a result of adherence to this standard with respect to parking lot trees that may obscure required lighting, the design of parking lot lighting shall be modified to overcome these conflicts and shall be interpreted as being in compliance with lighting standards.

(2)All wiring, fittings, and materials used in the construction, connection and operation of electrically illuminated signs shall be in accordance with the provisions of the State Electrical Code in effect.

(3) The maximum height of a light fixture, either mounted on a pole or on a structure, is established in Table 3.3-1.

Table 3.3-1: Maximum Height of a Light Fixture

District	Maximum Height of 90 o Cutoff Lighting (See Figure 3-13)

R1, R2, R3, R4, N1, N2, A-S, and NC-F districts	12 feet [1]
C1, C2, I1, CD-S, PI-S, and ED-F districts	20 feet [2]
<p>1. When the bulb, lamp, or light source is completely recessed and/or shielded from view by an observer at five feet above grade, the maximum height may be increased to 15 feet.</p> <p>2. When the bulb, lamp, or light source is completely recessed and/or shielded from view by an observer at five feet above grade, the maximum height may be increased to 30 feet.</p>	

R2, R3, R4, N1, N2, and NC-F districts	1.5	0.1
C1, C2, I1, CD-S, PI-S, and ED-F districts	2.5	0.1 when adjacent to a residential use or 2.5 when adjacent to lot in the same district
Parking lots of six spaces or more	2.0	0.1 when adjacent to a residential use or 0.5 when adjacent to a nonresidential use

(c) When parking lots are within 15 feet of a property line, the placement cutoff light fixtures shall be designed to maintain the illumination levels at the property line as cited in Table 3.3-2.

(d) Wall packs on buildings may be used at entrances to a building to light unsafe areas. They are not intended to draw attention to the building or provide general building or site lighting. "Wall Packs" on the exterior of the building shall be fully shielded (true cut-off type bulb or light source not visible from off-site) to direct the light vertically downward.

(e) Temperature of Lamps

To minimize the amount of harmful blue light in the nighttime environment, lamps (bulbs) shall not exceed a maximum Correlated Color Temperature (CCT) of 3,000 degrees Kelvin (as listed on the packaging).

(f) **Lighting Controls:** This provision applies to zoning districts C1, C2, I1, PI-S, and CD-S.

1. Outdoor lighting shall utilize motion sensors, timers and/or programmable controllers. Time of outdoor lighting reduction shall be 11:00 pm. After such time, total outdoor brightness (lumens) shall be reduced by at least 50% or turned off. It is recommended that outdoor lighting be turned off when no one is present to use the light.

2. Lighting reductions are NOT required for any of the following:

a. Outdoor lighting consisting of only one light fixture.

- b. Lighting required by Code for steps, stairs, walkways and building entrances.
- c. Lighting governed by special use permit in which times of operation are specifically identified.
- d. Businesses that operate on a 24-hour basis.
- e. Where, as determined by the City, lighting levels must be maintained for safety reasons or special events.

(5)**Exemptions** . Outdoor athletic facilities developed on property zoned CD-S College Development Zone and other zones where athletic facilities are a permitted or accessory use shall be exempt from the lighting standards of this section except that lighting for such facilities shall adhere to these standards after 12:00 a.m.

(6)**Nonconforming Outdoor Lighting** .

(a)The nonconforming use of lighting may continue until the luminaire (total fixture, not just the bulb) is replaced, at which point the lighting shall be subject to all the standards of this subsection with the exception of the maximum height.

(b)When a nonconforming lighting fixture, including the pole or support, is removed, the lighting fixture shall lose its legal nonconforming status and all new lighting shall be subject to all standards of this subsection.

(D) Enforcement

(1) **Audits:** A volunteer group selected by the city shall perform audits of all outdoor lighting in the city. The first audit shall be completed by [date]. Subsequent audits shall take place at five year intervals. These audits will identify all lighting that does not conform to the standards of this ordinance with regard to shielding and trespass. The results of these audits will be made available to the public.

(2) **Public nuisance:** Any violation of this section that results in light trespass or an unreasonable interference with the common and usual use of neighboring property is hereby declared to be a public nuisance, which is prohibited by this section. It shall be the duty of the city administrator to give notice to any person violating this to remove or abate the nuisance forthwith. If the owner or occupant of any premises on which a nuisance is situated shall neglect to remove or abate the nuisance within 24 hours, it shall be lawful for the city administrator to cause the nuisance to be removed or abated and, for that purpose or for the purpose of enforcing this section, may enter any building or go upon any lot or premises in the city.