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## VILLAGE OF SUGAR GROVE BOARD REPORT

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**TO:** VILLAGE PRESIDENT & BOARD OF TRUSTEES  
**FROM:** DANIELLE MARION, PLANNING & ZONING ADMINISTRATOR  
**SUBJECT:** ORDINANCE: ZONING ORDINANCE TEXT AMENDMENT, OUTDOOR ILLUMINATION  
**AGENDA:** JANUARY 21, 2025 VILLAGE BOARD MEETING  
**DATE:** JANUARY 13, 2025

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### ISSUE

Shall the Village Board approve an Ordinance amending Title 11 Chapter 18 Outdoor Illumination to adopt dark sky regulations.

### DISCUSSION

The Village Board discussed the proposed text amendment at the previous Village Board meeting. Overall the Board was in support of the text amendment and did not express any concerns. One item was requested to be removed from the text amendment as the Board felt it was redundant. This item requested to be removed was item number 4 under exempt out door lighting “temporary lighting used for holiday decoration.” This change is reflected in the attached ordinance.

### ATTACHMENTS

- Ordinance Amending Title 11 Chapter 18 Outdoor Illumination
- Exhibit A – Proposed Dark Sky Outdoor Illumination Standards

### RECOMMENDATION

That the Village Board approve an Ordinance amending the Village Code Title 11 Chapter 18 Outdoor Illumination.



**VILLAGE OF SUGAR GROVE  
KANE COUNTY, ILLINOIS**

**ORDINANCE NO. 2025-0121\_**

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**AN ORDINANCE AMENDING THE VILLAGE CODE TITLE 11 CHAPTER 18, OUTDOOR  
ILLUMINATION**

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Adopted by the Board of Trustees and President of the Village of Sugar Grove  
this 21<sup>st</sup> day of January 2025

Published in pamphlet form by authority of the Board of Trustees of the Village of Sugar Grove, Illinois  
this 21<sup>st</sup> day of January 2025

**ORDINANCE NO. 2025-0121\_**

**AN ORDINANCE AMENDING THE VILLAGE CODE TITLE 3, BUSINESS AND LICENSE  
REGULATIONS  
(RENEWAL OF LICENSES)**

**WHEREAS**, the Village of Sugar Grove (the “Village”) is not a home rule municipality within Article VII, Section 6A of the Illinois Constitution and, pursuant to the powers granted to it under 65 ILCS 5/1-1 *et seq.*; and,

**WHEREAS**, the Village seeks to continue to promote these interests, and seeks to amend the Village Code to more fully protect and preserve the safety and well-being of such inhabitants; and,

**NOW, THEREFORE, BE IT ORDAINED** by the President and Board of Trustees of the Village of Sugar Grove, Kane County, Illinois, as follows:

**SECTION ONE: Village Code amendment**

Title 11, Chapter 18 (Outdoor Illumination) of the Village Code of Ordinances be amended as provided in Exhibit A, attached hereto and made a part hereof by this reference.

**SECTION TWO: GENERAL PROVISIONS**

**REPEALER:** All ordinances or portions thereof in conflict with this ordinance are hereby repealed.

**SEVERABILITY:** Should any provision of this Ordinance be declared invalid by a court of competent jurisdiction, the remaining provisions will remain in full force and effect the same as if the invalid provision had not been a part of this Ordinance.

**EFFECTIVE DATE:** This Ordinance shall be in full force and effect on and after its approval, passage and publication in pamphlet form as provided by law.

**PASSED AND APPROVED** by the President and Board of Trustees of the Village of Sugar Grove, Kane County, Illinois, this 21<sup>st</sup> day of January 2025.

ATTEST:

\_\_\_\_\_  
Jennifer Konen,  
President of the Board of Trustees

\_\_\_\_\_  
Tracey Conti,  
Village Clerk

	Aye	Nay	Absent	Abstain
Trustee Matthew Bonnie	___	___	___	___
Trustee Sean Herron	___	___	___	___
Trustee Heidi Lendi	___	___	___	___
Trustee Sean Michels	___	___	___	___
Trustee Michael Schomas	___	___	___	___
Trustee James White	___	___	___	___

## **Exhibit A**

### **11-18-3: GENERAL STANDARDS:**

#### **A. Illumination Standards:**

##### **(1) Gross Emission of Light:**

###### **(a) Commercial, Office, Business, Civic, and Industrial uses:**

(i) The total light output from all luminaires used for outdoor lighting shall not exceed 100,000 lumens per acre. Lighting installations located under canopies shall only contribute 50% toward this limit.

(ii) For the purpose of this calculation, the lamp lumen output is defined as the initial lumen rating declared by the manufacturer, which consists of the lumen rating of a lamp at the end of 100 hours of operation. A sample calculation of gross emission of light is as follows: Lumens per fixture (based on fixture type) x quantity of fixtures = total lumens. Sum the total lumens for all fixtures / total acres = total lumens per acre (gross emission of light).

###### **(b) Exemptions:**

(i) Lighting for outdoor athletic fields on public property, outdoor events, and special events.

(ii) Emergency egress lighting and lighting required by Village, county, state or federal law.

(iii) Street lighting.

(iv) Lighting installations for non-internally illuminated signage not exceeding 800 lumens.

##### **(2) Light intensity and uniformity:**

(a) Commercial, Office, Business, Civic and Industrial uses: During permitted hours of operation, outdoor lighting shall meet the following requirements for light level as measured in the plane of the illuminated surface:

(i) Motor vehicle fueling station pumping areas shall be required to meet a minimum standard of 10 footcandles and not exceed a maximum of 30 footcandle. If greater than 30 footcandles are required a variance may be approved administratively by Village Administrator.

(ii) Drive-in and drive-through canopies shall not exceed a maximum of 15 footcandles.

###### **(b) Digital outdoor display:**

(i) A digital outdoor display shall be equipped with a light sensor which shall automatically adjust the luminance of the sign in response to the level of the outdoor lighting in a range between 40 nits during the nighttime hours and 5,000 nits during the daytime hours. Brightness must

be measured from the brightest element of the sign's face. The applicant shall provide written certification from the sign manufacturer that the light intensity has been factory pre-set so that it shall not exceed the luminance levels for day and night. Daylight hours are defined as dawn until dusk.

(3) Light direction and control:

- (a) Any luminaire which is used for uplighting shall have the necessary shielding and/or beam-angle control and/or shall be aimed to substantially confine the directed light to the object intending to be illuminated. Uplighting shall only be permitted for landscape lighting, architectural lighting, flag lighting, and lighting of ground-mounted signs that are not internally illuminated. If downlighting; The luminaire shall not exceed one thousand and seven hundred fifty hundred (1,750) lumens output. Uplighting applications shall meet the following requirements:

Uplighting Application	Maximum Inclination	Maximum Light Output (lumens)
Landscape lighting	60°	1,100 <sup>3</sup> (up to 45°)
		800 <sup>4</sup> (up to 60°)
Architectural lighting	45°	1,100 <sup>3</sup>
Flag lighting <sup>1</sup>	60°	1,100 <sup>3</sup> (up to 45°)
		800 <sup>4</sup> (up to 60°)
Sign lighting <sup>2</sup>	45°	1,100 <sup>3</sup>
<sup>1</sup> The tradition of lowering flags at sunset or the use of a top-mounted fully shielded fixture is encouraged. <sup>2</sup> Ground-mounted, non-internally illuminated signs only. <sup>3</sup> Typical 75W incandescent bulb or 50W low-voltage halogen landscape bulb. <sup>4</sup> Typical 60W incandescent bulb or 35W low-voltage halogen landscape bulb		

(b) Residential Uses:

- (i) Any luminaire with a light output exceeding 1,100 lumens which is used for outdoor lighting shall have the necessary shielding and/or beam-angle control and/or shall be aimed so that the direction of all directly emitted light is at or below horizontal. Any luminaire output less than what is listed above does not require shielding. If a motion-activated sensor that illuminates the luminaire for no more than five minutes upon activation is used, said luminaire shall have a light output of up to 2,200 lumens (or incandescent bulb of 150 watts).
- (ii) Any luminaire with a light output exceeding 2,200 lumens (or incandescent bulb of 150 watts) which is used for outdoor lighting shall have the necessary shielding and/or beam-angle control and/or shall be

aimed so that the light source is not visible along any property line, as viewed at a height of 36 inches above grade.

(c) Commercial, Office, Business, Civic, and Industrial uses:

(i) Except as otherwise stated herein, any luminaire which emits light directed at a building, sign, billboard, or other outdoor feature shall be located at or above the top of said object and be aimed and controlled so that the direction of all emitted light is at or below horizontal and the directed light is substantially confined to the object intended to be illuminated.

(4) Light trespass:

(a) Except for street lighting, light emitted from outdoor lighting on any lot shall not cause the light level along any property line, as measured at a height of 36 inches above grade in a plane at any angle of inclination, to exceed the following limits:

<b>Emitting Lot Use</b>	<b>Impacted Lot Use</b>	<b>Maximum Light Levels (footcandles)</b>
Residential Use	Residential use	0.1
Residential Use	Commercial, Office, Industrial, and Civic uses	0.5
Commercial, Office, Industrial, and Civic uses	Residential use	0.1
Commercial, Office, Industrial, and Civic uses	Commercial, Office, Industrial, and Civic uses	0.5

(5) Permitted hours for outdoor lighting.

(a) Commercial, Office, Business, Civic and Industrial uses:

(i) Except for street lighting, outdoor lighting (including, but not limited to, parking lot area, architectural lighting, landscape lighting, etc.) is permitted to be lighted between one-half hour before sunset and 10:00 p.m. or one hour after the close of business based on normal hours of operation of the business, whichever is later. Thereafter, for safety and security purposes, security lighting is permissible at a total light output not greater than 25% of the total light output from all outdoor lighting located on the lot during permitted outdoor lighting hours. During security lighting hours, no luminaire shall exceed its light output exhibited during permitted outdoor lighting hours.

(b) Exemptions:

(i) Businesses that are open 24 hours.

(ii) Sports and recreation, outdoor. Outdoor lighting of an outdoor sports and recreation facility of an organized sporting event that is in progress at the close of permitted outdoor lighting hours shall be allowed to remain illuminated until 30 minutes after the conclusion of the event, but no later than 11:00 p.m. No outdoor lighting of the outdoor athletic field for any sport or recreational purpose shall be initiated after 10:00 p.m.

B. Luminaire Standards:

(1) Fully shielded requirement: Except for uplighting applications permitted herein, any luminaire used for outdoor lighting for Commercial, Office, Business, Civic, and Industrial uses shall be a fully shielded luminaire and shall be installed in the proper orientation to achieve fully shielded performance with respect to a horizontal plane.

(2) Light pole height:

- (a) The light pole height of any luminaire used for outdoor lighting on any lot, except for street lighting, shall not exceed the following limits:

Use	Maximum Light Pole Height <sup>1</sup>
Commercial, Office, Residential (excluding single family dwellings), Civic and Transportation	25'
Industrial	35'
<sup>1</sup> Install height is measured from finished grade to the top of the fixture.	

(3) Street lighting:

- (a) Any luminaire used for street lighting shall be a fully shielded 75-80 watt LED in a warm white 3000 degrees Kelvin, and shall be installed in the proper orientation to achieve fully shielded performance with respect to a horizontal plane at all public and private streets.

(4) Light source requirements:

- (a) All light sources must have a correlated color temperature of 3,000° Kelvin or less.

C. The following outdoor illumination standards shall be permitted, none of which shall be construed as allowing light trespass onto adjoining properties or roadways, nor nuisance glare or disabling glare:

- (1) Lighting within the public right-of-way or easements which serves the principal purpose of illuminating streets and sidewalks and bike paths.
- (2) Security lights that are controlled by a motion sensor switch which extinguishes the light within thirty (30) minutes after activation.
- (3) Recreational use lighting under the control of a public or not for profit organization.
- (4) Lighting which is used to outline a building or features of a building including windows for non-residential uses.
- (5) Outdoor festoon lights and lanterns, including tree lighting, for non-residential uses including parks.
- (6) Neon lights utilized for signage.

D. Exempt Outdoor Lighting



- (1) Seasonal decorations in place no longer than sixty (60) calendar days before a holiday or forty-five (45) calendar days after the holiday.
- (2) Underwater lighting used for the illumination of swimming pools and Fountains.
- (3) Lighting required by Village, county, state, or federal law, including single-purpose emergency egress lighting on the building.
- (5) Decorative yard lighting characterized by a flame source.
- (6) Portable lighting temporarily used for maintenance or repair that is not deemed by the Village to create a hazard or nuisance.
- (7) Emergency response lighting used by police, fire-fighting, emergency management, or medical personnel at their discretion as long as the emergency exists.
- (8) Lighting for Village-approved special events such as carnivals, circuses, festivals, picnics, fairs, civic events, and exhibitions.
- (9) Temporary lighting required for road construction or other public Improvements.

#### E. Prohibited Outdoor Illumination:

- (1) Permanent strobe lights, search lights, and laser lights, including laser light shows and aerial laser lights, except if temporary for event purposes, then it is permitted but must be extinguished/turned off at the 40 end of the event and must be removed within 24 hours of the end of the event.
- (2) Flashing lights unless temporarily triggered by a security system and extinguished within thirty (30) minutes of activation or at a time of security response.
- (3) Lighting that may be confused with a traffic signal or traffic control device.
- (4) Lighting that contributes to or causes disabling glare onto a public roadway or sidewalk.
- (5) The use of neon light to accent buildings or architectural features.

#### F. Additional standards:

- (1) Outdoor lighting shall be fully shielded and aimed downward. Light shall not be emitted above ninety degrees (90°).
- (2) Outdoor lighting shall maintain a CCT not to exceed three thousand (3000) K. Color temperature shall be "warm white". Color temperatures in the "cool white" to "blue" hues are expressly prohibited.
- (3) All luminaires and component parts shall be maintained in a safe, working condition. Any broken luminaire or component part shall be repaired, replaced, or removed immediately upon discovery of the condition.
- (4) All new and replacement lighting shall be light emitted diode (LED) illumination or an energy efficient equivalent as approved by the Village Administrator.
- (5) In parking lots used at night, each parking space shall be illuminated to a minimum 0.5 foot-candle.

(6) Parking lot pole structures shall be located within landscape areas. No exposed concrete foundations are permitted to extend more than 6" above grade.