

TOWNSHIP OF LAKE
OUTDOOR LIGHTING ORDINANCE

Ordinance No. 2015-02

An ordinance to prohibit light trespass and afford the citizens of Lake Township the flexibility to engage in the pursuit of safe, inexpensive lighting practices for the purpose of commerce and private use without impeding upon other citizens desiring a more pristine night time environment free from light pollution, waste, or nuisance while providing for security and productivity.

THE TOWNSHIP OF LAKE ORDAINS:

Section 1. Lighting Requirements:

- A. Outdoor floodlighting by flood light projection above the horizontal plane is prohibited.
- B. All light fixtures which are required to be shielded shall be installed in such a manner that the shielding complies with the definition of fully shielded fixtures (See Section 3, Definitions).
- C. All light fixtures, including security lighting, except street lamps, shall be aimed or shielded so that the direct illumination shall be confined to the property boundaries of the source. Particular care is to be taken to assure that the direct illumination does not fall onto or across any public or private street/road or navigable waterway. Motion sensing lighting fixtures shall be properly adjusted, according to the manufacturer's instructions, to turn off when detected motion ceases.
- D. Search lights, laser source lights, strobe or flashing lights, motion or illusion lights or any similar high-intensity light shall not be permitted, except in emergencies by emergency personnel or as permitted by the Ordinance.
- E. Lighting for Service Station or similar canopies. All luminaries shall not be lower than flush with the lower surface of canopies and utilize flat glass or plastic covers. The total light output used for illuminating service station canopies, defined as the sum of under-canopy initial bare-lamp outputs in lumens, shall not exceed forty (40) lumens per square foot of canopy. All lighting mounted under the canopy except internally illuminated signs, shall be included in the total.

- F. Lighting used for all externally illuminated signs shall be lighted from the top down.
- G. The requirements for lamp source and shielding of light emissions for outdoor light fixtures are as follows:
 - 1. All lamp types above 2050 lumens are allowed if fully shielded.
 - 2. All lamp types below 2050 lumens and above 675 lumens allowed, partially shielded.
 - 3. All types below 675 lumens are allowed, unshielded.
 - 4. All neon tube lighting is allowed, if fully shielded.
 - 5. The following *are examples of* lamp types of 2050 lumens and below (the acceptability of a particular light is decided by its lumen output, not wattage. Check manufacturer's specifications):
 - a. 100 Watt Standard Incandescent and less
 - b. 100 Watt Midbreak Tungsten-Halogen (quartz) and less
 - c. 25 Watt T-12 Cool White Fluorescent and less
 - d. 18 Watt Low Pressure Sodium and less

Section 2. Parking Lot Lighting Standards. Lighting standards (poles) shall be sized in such a manner that the top of any luminary does not exceed twenty-four (24) feet above adjacent grade, unless otherwise specified by the Planning Commission for new projects.

Section 3. Definitions. As used in this Ordinance, unless the context clearly indicates otherwise, certain words and phrases shall mean the following:

A. ***Development Project*** means any residential, commercial, industrial or mixed-use subdivision plan or individual building development or remodeling plan, which is submitted to the Township for approval.

B. ***Direct Illumination*** means illumination resulting from light emitted directly from a lamp, luminary or reflector, not light diffused through

translucent signs or reflected from other surfaces such as the ground or building faces.

C. **Fully Shielded Fixture** means that fixtures are shielded in such a manner that light rays emitted by the fixture, either directly from the lamp or indirectly from the fixture, are projected below a horizontal plane running through the lowest point on the fixture where light is emitted.

D. **Installed** means attached, or fixed in place, whether or not connected to a power source.

E. **Light Trespass** is spill light falling over property lines that illuminates adjacent grounds or buildings in an objectionable manner.

F. **Lumen** is the unit used to measure the actual amount of visible light, which is produced by a lamp as defined by the manufacturer.

G. **Luminary** means the complete lighting assembly, less the support assembly.

H. **Motion sensing security lighting** means a fixture designed, and properly adjusted, to illuminate an area around a residence or other building by means of switching on a lamp when motion is detected inside the area or perimeter, and switching the lamp off when the detected motion ceases.

I. **Neon Lighting** means lighting using luminous gas filled tubes often formed into text, symbols or decorative elements. Neon Lighting includes tubes with typical diameters of 10 to 20 millimeters filled with neon, argon, xenon, or other gasses and producing various colors of light. Not included are replaceable T-8 (1 inch diameter) and T-12 (1.5 inch diameter) or PL (Compact@) fluorescent tubes.

J. **Outdoor Light Fixtures** means all outdoor illuminating devices, reflective surfaces, lamps and other devices, either permanently installed or portable, which are used for illumination or advertisement. Such devices shall include, but are not limited to, search, spot and floodlights for:

1. Buildings and structures
2. Recreational areas
3. Parking lot lighting
4. Landscape and architectural lighting
5. Billboards and other signs (advertising or other)

6. Street lighting
7. Product display area lighting
8. Building overhangs and open canopies
9. Security lighting

K. **Outdoor Recreation Facility** means an area designed for active recreation, whether publicly or privately owned, including but not limited to parks, baseball diamonds, soccer and football fields, golf courses, tennis courts and swimming pools.

L. **Partially Shielded** means that fixtures are shielded in such a manner that at least 90 percent of the light rays emitted by the fixture, either directly from the lamp or indirectly from the fixture, are projected below a horizontal plane running through the lowest point on the fixture where light is emitted.

M. **Person** includes a corporation, company, partnership, firm, association or society, as well as a natural person.

N. **Security Lighting** is lighting designed to illuminate a property or grounds for the purpose of visual security and or safety. This includes fully shielded lighting designed to be left on during nighttime hours as well as motion sensing lighting fixtures.

O. **Total Outdoor Light Output** means the maximum total amount of light, measured in lumens, from all outdoor light fixtures on a property. For lamp types that vary in their output as they age (such as high pressure sodium and metal halide), the initial output, as defined by the manufacturer, is the value to be considered.

P. **Unshielded Fixture** means a fixture that allows light to be emitted above the horizontal directly from the lamp or indirectly from the fixture or a reflector.

Q. **Street Light** is a light located at a road/street intersection authorized by the township.

R. **Watt** is the unit used to measure the electrical power consumption (not the light output) of a lamp.

Section 4. Violations. Any person, firm or corporation who violates any of the provisions of this ordinance is responsible for a municipal civil infraction, subject to payment of a civil fine of not less than \$50.00, plus costs and other sanctions, for each infraction. Repeat offenses under this ordinance shall be subject to increased fines as provided for in the Lake Township Civil Infraction Ordinance, being Ordinance Number 2013-01.

The undersigned Supervisor and Clerk of the Township of Lake hereby certify that this Ordinance was duly adopted by the Township Board at a meeting held on the 20th day of April, 2015 and was published in the Huron County View on the 30th day of April, 2015. This Ordinance becomes effective thirty (30) days after said date of publication.



Valerie McCallum, Supervisor



Claren Russell, Clerk

Adopted: April 20, 2015
Published: April 30, 2015
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