

## ORDINANCE NO: 2060

AN ORDINANCE FOR CREATING COMMERCIAL OUTDOOR LIGHTING  
REQUIREMENTS

WHEREAS, the Village Board approved the proposed ordinance and held a public hearing on February 16, 2016; and

WHEREAS, the Plan Commission recommended the proposed ordinance changes at a meeting scheduled January 26, 2016; and

WHEREAS, the Plan Commission discussed the original proposal October 27, 2015 and November 24, 2015 and had consensus to apply regulations only to commercial districts; and

WHEREAS, the Village Board determined that it is in the best interest of the Village of Shorewood that the following described changes take place.

NOW, THEREFORE, at a regular meeting of the Village Board of the Village of Shorewood, Milwaukee County Wisconsin held on the 16th day of February, 2016, a quorum being present and a majority of the Board voting therefore said Board does ordain as follows:

**SECTION 1**

That Section 535-6 Definitions and word usage of Article II, Definitions of Chapter 535, Zoning of the General Ordinances of the Village of Shorewood may be amended to add the following:

**FOOTCANDLE**

The unit of measure expressing the quantity of light received on a surface. One footcandle is the illuminance produced by a candle on a surface one foot square from a distance of one foot.

**FULLY SHIELDED LUMINAIRE, FULL CUT-OFF LIGHT FIXTURE**

A lighting fixture constructed in such a manner that all light emitted by the fixture, either directly from the lamp or a diffusing element, or indirectly by reflection or refraction from any part of the luminaire, is projected below the horizontal plane through the luminaire's lowest light-emitting part, as determined by photometric test or certified by the manufacturer.

**GLARE**

A light ray emanating directly from a lamp, reflector or lens such that it falls directly on the eye of the observer.

## **LIGHT TRESPASS**

Lighting that falls beyond the boundaries of the property it is intended to illuminate. Also known as light spillover.

## **LUMEN**

Is the measure of brightness from a light source, comparing how bright a light source is.

## **LUMINAIRE**

The complete lighting assembly, less the support assembly. For purposes of determining total light output from a luminaire, lighting assemblies which include multiple unshielded or partially shielded lamps on a single pole or standard shall be considered a single unit.

## **SECTION 2**

That Section 535-9 Site Restrictions of Article III, General Provisions of Chapter 535, Zoning of the General Ordinances of the Village of Shorewood may be amended to add the following:

### **I. Commercial Outdoor Lighting Standards**

- (1) Purpose and intent. The purpose of this ordinance is to provide for adequate and safe lighting and limiting light spillover and glare onto adjacent properties and public streets.
- (2) Applicability. Except as set forth in this Ordinance, all outdoor lighting installed or any interior lighting fixture that projects light outside the structure in the commercial districts after the effective date of this Ordinance shall comply with the requirements of this Ordinance.
- (3) Permits and approval process
  - (a) Installation or modification of any outdoor light fixture in commercial districts shall require an electrical permit.
  - (b) On all developments or projects requiring site plan approval, all exterior light fixtures shall be depicted and described on said site plan, required prior to development of a property or project, or on a separate lighting plan submitted with the site plan.
  - (c) A photometric plot plan, indicating the location of all lighting fixtures proposed, mounting and/or installation height in feet, and overall illumination levels (in footcandles) all around the site and at property lines.
  - (d) The Planning Director and Design Review Board must review and approve all lighting plans.
- (4) General Requirements
  - (a) Light fixtures shall be selected with care to ensure that they are appropriately scaled in relation to their setting and to ensure that they are of a style that is compatible with the character of their immediate environment.
  - (b) Luminaries shall be aimed, shielded, or relocated so as to minimize glare. All light fixtures shall be located, aimed or shielded so as to eliminate stray light trespassing across property boundaries.

- (c) All luminaires mounted or recessed into the lower surface of service station canopies shall be shielded and utilize flat lenses.
  - (d) The maximum allowable light spillover to an adjacent property shall be 2 average footcandles, measured across three photometric points.
  - (e) Illumination of uses shall be in accordance with Illuminating Engineering Society of North America (IES) standards.
- (5) Light Color. Correlated color temperature of any outdoor light source shall not exceed 4,000 Kelvins within the commercial districts unless the light fixture is fully shielded, preventing glare.

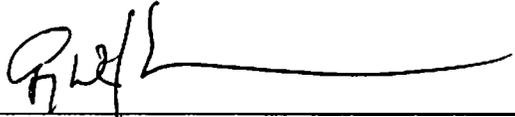
**SECTION 3**

That all Ordinances or parts of Ordinances conflicting with the provisions of this Ordinance are hereby to such extent repealed.

**SECTION 4**

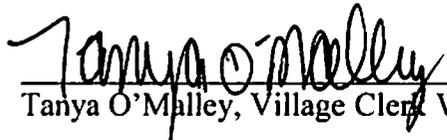
That this Ordinance shall take effect and be in force from and after its passage and posting.

PASSED AND ADOPTED by the Village Board of the Village of Shorewood, Milwaukee County, Wisconsin, this 16th day of February, 2016.



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Guy Johnson, Village President

Countersigned:



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Tanya O'Malley, Village Clerk WCPC