THE VILLAGE OF HOMER GLEN, WILL COUNTY, ILLINOIS

ORDINANCE NUMBER 15-018

AN ORDINANCE AMENDING ORDINANCE NUMBER 15-018 ENTITLED "OUTDOOR LIGHTING IN THE VILLAGE OF HOMER GLEN"

JAMES P. DALEY, Village President
Gale Skrobuton, Village Clerk

MICHAEL COSTA
MARCIA DEVIVO
TEDD KAGIANAS
MARGARET SABO
SHARON SWEAS
GEORGE YUKICH

Trustees

Published in pamphlet form by authority of the Village President and Trustees of the Village of Homer Glen on 04/08/15
ODELSON & STERK, LTD. – Village Attorneys – 3318 West 95th Street – Evergreen Park, Illinois 60805

ORDINANCE NO. 15-018 DATE: April 8, 2015

AN ORDINANCE AMENDING ORDINANCE NUMBER 12-040 ENTITLED "OUTDOOR LIGHTING IN THE VILLAGE OF HOMER GLEN"

WHEREAS, the Village of Homer Glen, Will County, Illinois (the "Village") is a home rule municipality pursuant to Section 6(a), Article VII of the 1970 Constitution of the State of Illinois, and as such shall exercise any power and perform any function pertaining to its government and affairs (the "Home Rule Powers"); and

WHEREAS, the safety and welfare of pedestrians, cyclists, and motorists depend upon the reduction of glare and the establishment of consistent and well-defined levels of lighting; and

WHEREAS, the Village Board has determined that certain amendments to Ordinance 12-040 are now required in order to make compliance with certain standards of the ordinance more practicable; and

WHEREAS, proper direction and use of light shall minimize energy wasted on unnecessary and indiscriminate illumination: and

WHEREAS, the corporate authorities recognize the night sky as a natural resource; and

WHEREAS, the corporate authorities and the Homer Glen Green Vision recognize the need to preserve rural character, aesthetic value, and the unique quality of life of Homer Glen residents by preserving and enhancing the ability to view the night sky: and

WHEREAS, the corporate authorities and the Village of Homer Glen Comprehensive Plan recognize the need to define limits and protect residents and business owners from the trespass of excessive and misdirected light from adjacent properties: and

WHEREAS, establishing a predetermined standard for outdoor illumination shall provide residents, business owners, and developers with a clear set of guidelines by which to follow: and

WHEREAS, a clear set of guidelines for outdoor lighting shall eliminate the need for commercial establishments to compete for visual attention by escalating outdoor lighting levels; and

WHEREAS, the corporate authorities wish to promote sound environmental policies which shall benefit residents and serve as a positive example to surrounding communities; and

WHEREAS, excessive illumination can have a detrimental effect to wildlife that depend on the natural cycle of day and night for survival.

NOW, THEREFORE, BE IT ORDAINED BY THE PRESIDENT AND VILLAGE BOARD OF TRUSTEES OF THE VILLAGE OF HOMER GLEN, WILL COUNTY, ILLINOIS, BY AND THROUGH ITS HOME RULE POWERS, THAT:

1.0 APPLICABILITY

All zoning lots in all existing zoning districts and in all zoning districts that shall be created after the effective date of this ordinance shall comply with the provisions of this ordinance unless specifically exempted herein.

For clarity and organization, references are made within this ordinance to Residential District Lighting Zones, Commercial District Lighting Zones, Public District Lighting Zones and Industrial District Lighting Zones. These lighting zones are defined in Section 13 of this ordinance.

2.0 CONFORMANCE

2.1 Ordinance Compliance

Any existing luminaire or lighting installation used for outdoor lighting in any zoning district that does not presently comply with the requirements of this ordinance shall be considered a non-conforming use.

2.2 Criteria Requiring Compliance for Luminaire or Light Installation Removal or Replacement

If any of following criteria occur for a non-conforming luminaire or light installation existing on any zoning lot, then the luminaire or light installation shall be required to comply with the requirements of sections 4.2, 4.3, 4.4, 4.5, 5.1, 5.4, 6.0, 7.0 and 8.1 or must be removed within 90 days:

1. The luminaire is changed or replaced (excluding routine maintenance and bulb replacement of equal light output) except if it is part of a parking lot lighting installation that consists of multiple identical luminaires on one (1) pole; or
2. The supporting structure for the luminaire is changed or replaced except if it is a part of a parking lot lighting installation that consists of multiple identical luminaires on one (1) pole; or
3. The use of the luminaire is resumed after a period of abandonment of more than 180 days. A written request for an extension of this 180 day time period shall be granted by the Village Board for a period not to exceed an additional 180 days; or,
4. The luminaire is producing glare that is deemed by the Village Manager or designee of the Village Board to create a hazard or nuisance; or,
5. Any non-conforming installation or use is subject to the enforcement provisions contained Section 3.0 of this ordinance.

2.3 Criteria Requiring Full Compliance or Complete Removal

1. A cumulative total of twenty-five percent (25%) or more of the non-conforming luminaires or their supporting structures are changed, removed, replaced (excluding routine maintenance and bulb replacement of equal light output), or relocated for any of the following lighting categories:
    - Parking Lot Lighting
    - Building Mounted Lighting
    - Landscape Lighting
    - Canopy Lighting

Then full compliance is required within that lighting category and in compliance with 4.1 in regard to the whole site.

2. A "Principal Structure" (as defined in the Village of Homer Glen Zoning Ordinance) on said zoning lot is expanded by an amount equal to or greater than 25% of the total square footage of the structure immediately prior to such expansion shall require full compliance for all building mounted lighting.
3. Site Improvements which result in an increase of parking spaces by an amount equal to or greater than 25% shall require full compliance for all site lighting.
4. A property that is zoned A-1, Agricultural or A-2, Agricultural is rezoned.

3.0 ENFORCEMENT

The Chief Building Official, Deputy Building Official and such other persons who are duly appointed as Code Enforcement Officers are hereby authorized to inspect luminaires and lighting installations in all zoning districts subject to this ordinance to determine compliance with the applicable provisions and, if necessary, to issue notices of violation to the owner, operator or other person or entity responsible for maintenance of the luminaire or lighting installation, if the luminaire or lighting installation fails to comply with the provisions of this ordinance. The notice of violation shall set forth an appropriate time period of not less than ninety 90 days for compliance. In the event the violation is not corrected within the time limits set forth in the notice of violation, proceedings to enforce compliance with the provisions of this ordinance shall be initiated and conducted in accordance with and pursuant to the provisions of Ordinance 07-051 which is the Village ordinance establishing a code hearing department for building code violations, or by the filing of an appropriate lawsuit seeking legal and equitable relief in a court of competent jurisdiction.

4.0 ILLUMINATION STANDARDS

4.1 GROSS EMISSION OF LIGHT

<u>Commercial District, Public District and Industrial District Lighting Zones</u>

The total light output from all luminaires used for outdoor lighting on any zoning lot in a commercial district, public district, and/or industrial district lighting zone, shall not exceed 100,000 lumens per net acre. Lighting installations located under canopies shall only contribute fifty percent (50%) toward this limit.

For the purpose of this ordinance 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. Appendix A provides a sample calculation of Gross Emission of Light.

<u>Exemptions</u>

1. Lighting for outdoor athletic fields on public property, outdoor events, special events
2. Emergency egress lighting and lighting required by village, county, state or federal law
3. Street lighting
4. Lighting installations for non-internally illuminated signage not exceeding 800 lumens

4.2 LIGHT INTENSITY AND UNIFORMITY

4.2.1 Commercial District, Public District and Industrial District Lighting Zones

During permitted hours of operation as defined within this ordinance, outdoor lighting on any zoning lot in a commercial district, public district or industrial district lighting zone shall meet the following requirements for light level as measured in the plane of the illuminated surface:

1. Automobile service-station pumping areas shall be required to meet a minimum standard of 10 footcandles and not exceed a maximum of 30 footcandles.

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

4.2.2 Digital Outdoor Display

The 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 night time hours and 5,000 nits during the day time 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. Day light hours are defined as dawn until dusk.

4.3 LIGHT DIRECTION & CONTROL

Any luminaire which is used for uplighting on any zoning lot in a residential district, commercial district, public district or industrial district lighting zone 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. Uplighting applications shall meet the following requirements:

Uplighting Application	Maximum Inclination	Maximum Light Output
Landscape Lighting	60°	1100 lumens† (up to 45°) 800 lumens†† (up to 60°)
Architectural Lighting	45°	1100 lumens†
Flag Lighting*	60°	1100 lumens† (up to 45°) 800 lumens†† (up to 60°)
Sign Lighting **	45°	1100 lumens†

* The tradition of lowering flags at sunset or the use of a top mounted fully shielded fixture is encouraged.
** Ground-mounted, non-internally-illuminated signs only.
† Typical 75W incandescent bulb or 50W low-voltage halogen landscape bulb.
†† Typical 60W incandescent bulb or 35W low-voltage halogen landscape bulb.

Residential District Lighting Zones

Any luminaire with a light output exceeding 1100 lumens which is used for outdoor lighting on any zoning lot in a residential district lighting zone 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 5 minutes upon activation is used, however, said luminaire shall have a light output of up to 2200 lumens (or 150 watt incandescent bulb).

Any luminaire with a light output exceeding 2200 lumens (or 150 watt incandescent bulb) which is used for outdoor lighting on any zoning lot in a residential district lighting zone 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.

Commercial District, Public District or Industrial District Lighting Zones

Except as otherwise stated herein, any luminaire on any zoning lot in a commercial district, public district or industrial district lighting zone 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 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 intending to be illuminated.

4.4 LIGHT TRESPASS

Except for street lighting, light emitted from outdoor lighting on any zoning 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:

Emitting Zoning Lot	Impacted Zoning Lot	Maximum Light Level
Residential District Lighting Zone	Residential District Lighting Zone	0.1 footcandles
Residential District Lighting Zone	Commercial District/Public District/ Industrial District Lighting Zone	0.5 footcandles
Commercial District/Public District/Industrial District Lighting Zone	Residential District Lighting Zone	0.1 footcandles
Commercial District/Public District/Industrial Lighting Zone	Commercial District/Public District/ Industrial District Lighting Zone	0.5 footcandles

Any property used for governmental, recreational and public purposes in all zoning districts shall not exceed 0.1 footcandles at all property lines.

4.5 PERMITTED HOURS FOR OUTDOOR LIGHTING

Commercial District, Public District and Industrial District Lighting Zones

Except for street lighting, outdoor lighting (including, but not limited to, parking lot, area, architectural lighting, landscape, etc.) on any zoning lot in a commercial district, public district or industrial district lighting zone is permitted to be lighted between one-half hour before sunset and 10:00 p.m. or 1 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 zoning lot during permitted outdoor lighting hours. During security lighting hours, no luminaire shall exceed its light output exhibited during permitted outdoor lighting hours.

Exemptions

1. Businesses that are open for 24 hours.
2. Outdoor athletic fields
   Outdoor lighting of the outdoor athletic field of an organized sporting event on public property 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.

5.0 LUMINAIRE STANDARDS

5.1 FULLY SHIELDED REQUIREMENT

Except for uplighting applications permitted within this ordinance, any luminaire used for outdoor lighting in a commercial district, public district or industrial district lighting zone 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. Appendix C provides a depiction of fully shielded light fixtures.

5.2 INSTALLED HEIGHT

The installed height of any luminaire used for outdoor lighting on any zoning lot, except for street lighting, shall not exceed the following limits:

Zoning Lot	**Maximum Installed Height***
Residential District Lighting Zone	20 ft
Commercial District/ Public District/Industrial District Lighting Zone	25 ft

*Installed height is defined as the height above average finished grade of the lowest point on an installed luminaire.

Exemptions

1. A maximum installed height of 50 ft shall be permitted for lighting of outdoor athletic fields on public property in all zoning districts.

5.3 STREET LIGHTING

Any luminaire used for street lighting shall be a fully shielded 70 watt high pressure sodium (HPS) luminaire, or lamp equivalent to high pressure sodium (HPS) in correlated color temperature (CCT) as measured in 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. Said luminaire, as well as any poles, brackets, supports, and mounting hardware shall comply with current Village design standards.

5.4 LIGHT SOURCE REQUIREMENTS

All light sources must have a correlated color temperature of 3000 degrees Kelvin or less.

6.0 PROHIBITED OUTDOOR LIGHTING

The following outdoor lighting applications are prohibited in all zoning districts:

1. The use of laser light source;
2. The use of flickering, flashing, blinking, scrolling, or rotating lights and any illumination that changes intensity;
3. The use of upward directed lighting, except as otherwise permitted herein;
4. Architectural lighting of any portion of a building or structure with a polished or glass exterior surface that uses uplighting;
5. The use of searchlights;
6. The use of neon light to accent buildings or architectural features;
7. The use of Mercury vapor light source except for existing uses in A-1 or A-2 zoning districts used for "Agriculture" as defined in the Village of Homer Glen Zoning Ordinance; and
8. Any luminaire creating glare that is deemed by the Village to create a hazard or nuisance.

7.0 EXEMPT OUTDOOR LIGHTING

The following outdoor lighting applications are exempt from all requirements of this ordinance:

1. Underwater lighting used for the illumination of swimming pools and fountains;
2. Lighting required by village, county, state, or federal law including single purpose emergency egress lighting on the building;
3. Temporary lighting used for holiday decoration;
4. Decorative yard lighting characterized by a flame source;
5. Portable lighting temporarily used for maintenance or repair that is not deemed by the Village to create a hazard or nuisance;
6. Emergency response lighting used by police, firefighting, emergency management, or medical personnel at their discretion as long as the emergency exists;
7. Lighting for Village approved special events such as carnivals, circuses, festivals, picnics, fairs, civic events, and exhibitions; and
8. Temporary lighting required for road construction or other public improvements.

8.0 PROCEDURAL REQUIREMENTS

8.1 PLAN SUBMISSION

For subdivision and land development applications where outdoor lighting is required or proposed, or for properties subject to Sections 2.2 or 2.3 of this ordinance, photometric plans shall be submitted to the Village for review and approval.

8.2 PRELIMINARY PLAN SUBMISSION

During the preliminary approval process, a photometric plan which shall indicate the location of each existing and proposed luminaire, the installed height of said luminaires, and the overall light levels in foot candles on the entire zoning lot and the overall light levels in footcandles at the property lines. The plan shall also indicate any existing luminaries; specify the location of said luminaires and the installed height of said luminaires. All luminaires shall be noted on a luminaire schedule which must be submitted as a part of the plan submission. Appendix B provides a sample luminaire schedule. Additionally, manufacturer's cut sheets must be submitted for each fixture. Please see "manufacturer's cut sheet" in Section 13.0 Definitions for the complete requirements of what is to be included with a manufacturer's cut sheet submittal.

8.3 REVISIONS

If any revisions occur to the photometric plan or to any luminaires between the preliminary and final development approval process, the Village must be notified. A revised photometric plan and manufacturer's cut sheets must also be submitted. Any revisions to any luminaires shall be noted on a luminaire schedule which must be submitted as a part of the revised plan submission. Appendix B provides a sample luminaire schedule.

8.4 FINAL PLAN SUBMISSION

During the final approval process, a photometric plan which shows all site lighting must be submitted. This includes all exterior building light, parking lot lighting and landscape lighting. The plan shall indicate the location of each existing and proposed luminaire, the

installed height of said luminaires, and the overall light levels in foot candles on the entire zoning lot and the overall light levels in footcandles at the property lines. All luminaires shall be noted on a luminaire schedule which must be submitted as a part of the plan submission. Appendix B provides a sample luminaire schedule. The plan shall also indicate any existing luminaries; specify the location of said luminaires and the installed height of said luminaires. Additionally, manufacturer's cut sheets must be submitted for each fixture. The plan shall include a calculation of the lumens per acre for the site.

8.5 POST-APPROVAL ALTERATIONS

Post-approval alterations to photometric plans or intended substitutions for approved lighting equipment shall be submitted to the Village for review and approval, with all plan submission requirements set forth within this ordinance, prior to installation.

8.6 RIGHT OF INSPECTION

The Village shall have the right to conduct a post-installation inspection to verify compliance with the requirements of this ordinance and, if appropriate, to require remedial action at the expense of the applicant.

9.0 ADMINISTRATIVE VARIANCE

The Village Manager or Village Manager's designee shall grant an administrative variance only in cases where it is demonstrated that unusual practical difficulties exist on the subject property; therefore, making the full requirements of this ordinance impractical to implement fully. An administrative variance shall not exceed five percent (5%) of the total light output of 100,000 lumens per net acre as defined in Section 4.1 Gross Emission of Light. An administrative variance shall not be available or applicable for the following Outdoor Lighting Ordinance requirements:

1. Light sources above 3000 Kelvin (Section 6.0-8 Prohibited Lighting);
2. Exceeding required light levels at the property line (Section 3.4 Light Trespass);
3. Non fully shielded light fixtures (Section 5.1 Fully Shielded Requirement);
4. Exceeding installed fixture height requirement (Section 5.2 Installed Height);
5. An after-the-fact variance request or to correct a zoning violation.

The applicant shall demonstrate with an administrative variance application and supporting evidence that the strict application of the regulations of this ordinance would produce undue hardship on the applicant and subject property.

10.0 APPEALS FOR VARIATIONS

Request for variation from the requirements of this ordinance shall be initiated by written application which seeks to vary the provisions of this ordinance. The application requesting a variation shall be accompanied by a fee equal to the fee charged for a zoning variation and shall be submitted to the Plan Commission for initial consideration. The Application shall indicate the specific provisions of this ordinance which the applicant seeks to vary. The Plan Commission shall schedule a public hearing concerning the Application. The public hearing shall be conducted in accordance with the notice and hearing requirements of the Village of Homer Glen Zoning Ordinance as they pertain to and concern public hearings for variations. The Plan Commission shall also establish appropriate procedures and filing

requirements for the applicants requesting variations to follow. After the Plan Commission conducts the public hearing it shall make a written, recommendation to the Village Board concerning the requested variation. Without further public hearing, the Village Board shall grant, deny or amend the recommendation for variation.

11.0 CAPTIONS

The section headings appearing in this ordinance are for convenience of reference only and are not intended, to any extent and for any purpose, to limit or define the text of any section or any subsection hereof.

12.0 VIOLATION AND PENALTY

Any person, firm, corporation or business entity who violates any provision of this ordinance shall be subject to a fine of not less than $250.00 and not more than $1,000 for each separate offense. A separate offense shall be deemed committed on each day a violation occurs or continues to occur.

13.0 DEFINITIONS

ABANDONMENT: Discontinuance in the usage of a lighting installation, or portion thereof, with no intention to resume the usage of such lighting. A lighting installation or portion thereof, that has not been operated for a period of 180 days or longer, shall be considered to be abandoned.

ADMINISTRATIVE VARIANCE: An administrative dispensation, reviewed and approved by the Village Manager or Village Manager's designee, permitted on individual parcels or property as a method of alleviating unnecessary hardship by allowing a reasonable use of the building, structure or property, which, because of unusual or unique circumstances or the regulating standards of other regulating agencies, is denied by the terms of this ordinance.

ARCHITECTURAL LIGHTING: Outdoor lighting directed at buildings, facades, structures, monuments, and other architectural features.

AUTOMOBILE SERVICE STATION (GAS STATION): Any building or premises used for dispensing or offering for sale automotive fluids or oils, having pumps and underground storage tanks; also, where battery, tire, and other similar services are rendered, but only if rendered wholly within a building. Automobile service stations shall not include the sales or storage (new or used) of automobiles, trailers, or other vehicles. Automobile service stations shall include mini-marts as a Special Use.

AUTOMOBILE SERVICE STATION PUMPING AREA: The drivable surface of an automobile service station, in the immediate vicinity of a fuel pump, where vehicles are parked during fueling.

BILLBOARD: A surface whereon advertising matter is set in view conspicuously and which advertising does not apply to premises or any use of premises wherein it is displayed or posted.

CANOPY: A roofed structure that is open on at least three sides and typically provides protection from the sun or weather that is associated with the sale of commercial goods or services.

COMMERCIAL DISTRICT LIGHTING ZONE:
A lighting area on any zoning lot in a Commercial zoning district that is used typically relating to, concerning or arising from the sale or provision of goods or services.

CORRELATED COLOR TEMPERATURE: Specification of the color appearance of the light emitted by a lamp, relating its color to the color of light from a reference source when heated to a particular temperature, measured in degrees Kelvin (K).

DIGITAL OUTDOOR DISPLAY: Digital signs using technologies such as LCD and LED to display content.

EMERGENCY EGRESS LIGHTING: A battery-backed lighting device designed to come on automatically when a building experiences a power failure or emergency.

FOOTCANDLE: A unit of measure of of the intensity of light falling on a surface, equal to one lumen per square foot.

FULLY SHIELDED: A light fixture or luminous tube constructed and mounted such that all light emitted by the fixture or tube, either directly from the lamp, tube, or a diffusing element, or indirectly by reflection or refraction from any part of the light fixture, is projected below the horizontal. If the lamp or tube, any reflective surface, or lens cover (clear or prismatic) is visible when viewed from above or directly from the side, from any angle around the fixture or tube, the fixture or tube is not fully shielded. Examples of fully shielded light fixtures include, but are not limited to, those illustrated in Appendix C (Note: to be fully shielded these fixtures must be closed on top and mounted such that the bottom opening is horizontal).

GLARE: A visual disturbance produced by a distinct light source within the visual field that is sufficiently brighter than the level to which the eyes are adapted.

HID LIGHTING: A high-intensity discharge family of lighting that includes high-pressure sodium, fluorescent, mercury vapor, and metal halide type bulbs.

ILLUMINANCE: The amount of visible light, as measured in lumens, falling onto a unit of surface area, correlating to the perception of brightness by the human eye. Illuminance is typically measured in lumens per square foot (footcandles) or lumens per square meter (lux).

INDUSTRIAL DISTRICT LIGHTING ZONE: A lighting area on any zoning lot in an Industrial zoning district that is used typically relating to, concerning or arising from the manufacturing, assembling, fabrication, finishing, packaging, processing of goods.

INSTALLED HEIGHT: The height above average finished grade of the lowest point on an installed luminaire.

INTERNALLY ILLUMINATED SIGN: A sign illuminated by a light source internal to the sign enclosure which is not directly visible externally. For the purposes of this ordinance, a neon-light sign is considered an internally illuminated sign.

KELVIN: A unit increment of temperature and is used as a color temperature scale of a light bulb (symbol "K"),

LAMP: The source of light being emitted from a luminaire, such as a bulb.

LANDSCAPE LIGHTING: Outdoor lighting directed at trees, shrubs, plants, flower beds, fountains, gardens, and other natural or landscaped features.

LIGHT: Electromagnetic radiation within a range of wavelengths sufficient for visual perception by the normal unaided human eye.

LIGHT LEVEL: See Illuminance.

LIGHTING CATEGORIES:

BUILDING LIGHTING: All luminaires mounted on or used to illuminate the exterior of a building, including any luminaires under the roofline.

CANOPY LIGHTING: All luminaires mounted to and used to illuminate the area under a canopy.

LANDSCAPING LIGHTING: All luminaires used to illuminate landscaped areas, site features, sidewalk areas, fencing or any exterior site improvements excluding the building and parking lot.

PARKING LOT LIGHTING: All luminaries used to illuminate the parking lot.

LIGHTING INSTALLATION: An arrangement of one or more luminaires including any mounting hardware, brackets, and supporting structures.

LUMEN: The unit used to measure the amount of light which is produced by a lamp.

LUMINAIRE: An individual lighting assembly including the lamp and any housings, reflectors, globes, lenses, shields or other components designed to block or distribute light. For the purposes of this ordinance, an internally illuminated sign is not considered a luminaire.

LUMINANCE: A measure of the brightness of a surface which is emitting light. The unit of measurement most commonly used is candelas per square meter, often referred to as nits in the USA (1 nit = 1 cd/m2). The nocturnal appearance and environmental effect of objects such as internally lit signs shall be analyzed both by total light output (lumens) and by their surface brightness (nits).

LUMINANCE METER (or nit gun): A special instrument that directly measures luminance.

MANUFACTURER'S CUT SHEET: A description of each luminaire identified in the site plan including the manufacturer, part number, model number, a photograph or catalog cut, correlated color temperature (CCT), photometric data verifying any compliance requirements specified within this ordinance, light output in initial lumens, shielding or glare reduction devices, lamp type, on/off control devices and the location of each luminaire as identified in the site plan.

MOTION-ACTIVATED SENSOR: A sensor which causes a luminaire to become illuminated automatically upon the presence of motion or infrared radiation or a combination thereof within its field of view.

NADIR: The direction pointing directly downward from the light source of the luminaire that originates from a horizontal plane at the lowest point on the luminaire.

NEON LIGHT: Brightly colored light generated by using electric current to excite a gas or gas mixture (including neon, argon, helium, or other gases) typically contained in a tube which can be bent into various forms for use as decoration or signs. For the purposes of this ordinance, fluorescent tubes are not considered neon light.

NET ACREAGE: The gross acreage minus the acreage devoted to existing street rights-of-way, storm water retention and detention basins, bodies of water, public parks, school sites, municipal sites, wetlands, floodplains, and areas with slopes greater than twelve percent (12%).

NIT(s): A unit of measure of luminance (see luminance).

NONCONFORMING USE: Any use, which was legally established prior to the effective date of this ordinance or subsequent amendment to it, and which would not be permitted to be established as a new use in the zone in which it is located by the regulations of this ordinance.

OUTDOOR ATHLETIC FIELD: An open outdoor field, court, or track or similar facility used for athletic activity or playing sports such as baseball, soccer, football, tennis, skate park, volleyball, and basketball.

OUTDOOR DISPLAY LOT: An outdoor area whose primary function is the sale of displayed merchandise, often requiring accurate color perception by customers.

ORGANIZED SPORTING EVENT: A prearranged sports or recreational event involving at least one group or team with a published roster and schedule.

OUTDOOR LIGHTING: Light generated from an indoor or outdoor source that provides illumination to a surface, building, sign, structure, device, or other outdoor feature which is visible to an observer located outdoors. For the purposes of this ordinance, the light source inside an internally illuminated sign is not considered outdoor lighting.

PHOTOMETRIC PLAN: An illuminance grid plan for multi-fixture lighting installations that demonstrates compliance with all applicable requirements set forth in this ordinance.

PUBLIC DISTRICT LIGHTING ZONE: A lighting area on any zoning lot in a Public zoning district that is used for governmental buildings and public schools.

PUBLIC PARKING AREA: A drivable surface intended for use by the general public for parking of motorized vehicles.

PRINCIPAL STRUCTURE: A structure in which a principal use of the lot on which the structure is located is conducted.

RESIDENTIAL DISTRICT LIGHTING ZONE: Any zoning lot in a residential or agricultural zoning district that has as its primary use a single-family residential dwelling or a two-family residential dwelling, as defined in the Village of Homer Glen Zoning Ordinance.

SEARCHLIGHT: A lighting installation designed to project a high-intensity beam of approximately parallel rays of light that is typically used to sweep the sky for promotional purposes.

SINGLE PURPOSE EMERGENCY EGRESS LIGHTING: A battery-backed lighting device designed to come on automatically when a building experiences a power failure or emergency. A single purpose fixture can only be used for the sole purpose of emergency egress lighting. It shall not be considered as exempt from the provisions of the Lighting Ordinance when used as a dual purpose fixture.

STREET LIGHTING: One or more luminaires or light installations designed to illuminate a public roadway or intersection.

UPLIGHTING: Lighting applications which direct light above a horizontal plane.

VARIANCE: A dispensation permitted on individual parcels or property as a method of alleviating unnecessary hardship by allowing a reasonable use of the building, structure or property, which, because of unusual or unique circumstances, is denied by the terms of this ordinance.

VISIBLE LIGHT: See "Light"

ZONING LOT: A parcel of land, composed of one (1) or more recorded lots or a parcel of land described by metes and bounds, that is of sufficient size to meet the minimum district requirements of this ordinance and having frontage on an improved public or private street, and which is designated by its owner or developer as a tract of land to be used, developed, or built upon as a unit, under a single ownership or control. A "zoning lot" shall or shall not coincide with the definition of a "lot of record".

14.0 REPEALER

All ordinances or portions of ordinances previously passed or adopted by the Village of Homer Glen that conflict with or are inconsistent with the provisions of this ordinance are hereby repealed to extent of such conflict or inconsistency.

15.0 SEVERABILITY

The various provisions of this ordinance are hereby expressly declared to be severable and if any part or portion of this ordinance shall be held to be invalid by any court of competent jurisdiction, such decision shall not affect the validity of the remaining provisions of this ordinance, which shall be enforced to the fullest extent possible.

16.0 EFFECTIVE DATE

This ordinance shall be in full force and effect from and after its passage and approval.

[INTENTIONALLY LEFT BLANK]

Adopted this 8th day of April, 2015 pursuant to a roll call vote as follows:

	YES	NO	ABSENT	PRESENT
Costa	X			
DeVivo	X			
Kagianas			X	
Sabo	X			
Sweas	X			
Yukich	X			
Daley (Village President)	-			
TOTAL	5	0	1	-

APPROVED by the Village President on April 8, 2015.

James P. Daley
Village President

ATTEST:

Gale Skrobuton
Village Clerk

Published in pamphlet form by authority of the Village President and Trustees of the Village of Homer Glen.

APPENDIX A

Sample Gross Emission of Light Calculation

Chart 1 (Example) 0 Unbuildable Acres

Fixture Type	Quantity	Lumens Per Fixture	Total Lumens
OA	8	5,740 absolute	45,920
OB	3	11,428 absolute	34,284
OC	6	5,714 absolute	34,284
OD	5	2,371 absolute	11,855
K	17	2,200 @ 45.4%	16,980
		Total Lumens:	143,323
		Total Acres:	5
		Acres Unbuildable	0
		Total Net Acres	5
		Total Lumens Per Acre:	**28,664.6**

Chart 2 (Example 1 Unbuildable Acre**Fixture Type**	**Quantity**	**Lumens Per Fixture**	**Total Lumens**
OA	8	5,740 absolute	45,920
OB	3	11,428 absolute	34,284
OC	6	5,714 absolute	34,284
OD	5	2,371 absolute	11,855
K	17	2,200 @ 45.4%	16,980
		Total Lumens:	143,323
		Total Acres:	5
1 acre of wetland		Acres Unbuildable:	1
		Total Net Acres:	4
		Total Lumens Per Acre:	**35,830.75**

Chart 3 (Example) 1.5 Unbuildable Acres

Fixture Type	Quantity	Lumens Per Fixture	Total Lumens
OA	8	5,740 absolute	45,920
OB	3	11,428 absolute	34,284
OC	6	5,714 absolute	34,284
OD	5	2,371 absolute	11,855
K	17	2,200 @ 45.4%	16,980
		Total Lumens:	143,323
		Total Acres:	5
1 acre of wetland, ½ acre of slopes greater than 12%		Acres Unbuildable:	1.5
		Total Net Acres:	3.5
		Total Lumens Per Acre:	**40,949.43**

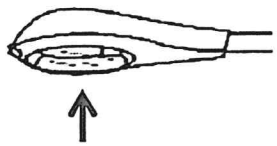
Appendix B –Luminaire Schedule

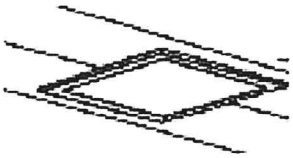
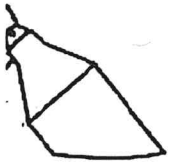
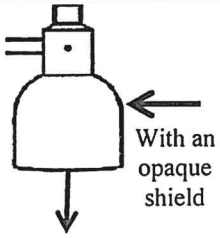
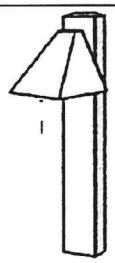
Luminaire Schedule

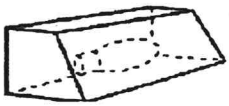
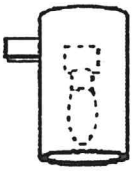
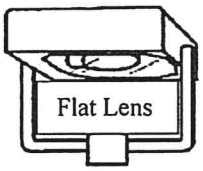
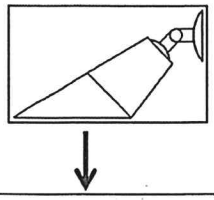
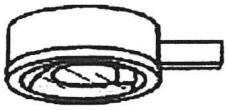
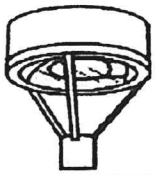
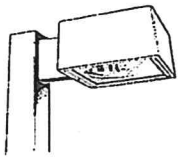
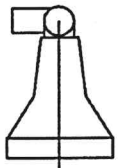
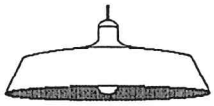
	Location on Plan	*Label on Plan*	*Qty*	*Manufacturer*	*Part Number*	*Model Number*	*Description*	*Lamp Type (HPS, LED, LPS, MH, etc.)*	*Lumens Per Lamp*	*Watts*	*CCT*	*Picture Attached*	*Is Luminaire Fully Shielded?*	*Is Luminaire 3000 K or Less?*
Building Mounted Lighting														
Canopy Lighting														
Landscape Lighting														
Parking Lot Lighting														
Emergency Egress Lighting														

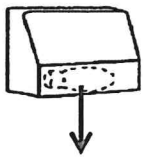
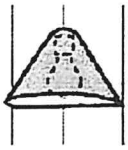
Total Lumens per Net Acre (Provide calculation in space at right)		Total Lumens per Site (Provide calculation in space at right)	

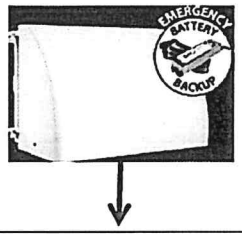
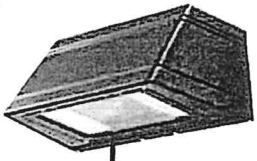
Appendix C-1
Examples of Fully Shielded Fixtures

Fully Shielded Street Lighting	Fully Shielded 'Period' Style Fixtures	Fully Shielded 'Decorative' Style Fixtures
 Bulb fully recessed	Bulb fully recessed in opaque top Side panels not permitted.	Bulb fully recessed in opaque top Side panels not permitted.

Flush Mounted Under Canopy Fixtures	Fully Shielded/ Properly aimed PAR Floodlights	Fully Shielded Barn Lighting	Fully Shielded Bollards	
		 With an opaque shield		

Fully Shielded Fixtures				
		 Closed top	 Flat Lens	
				
	 Straight down			

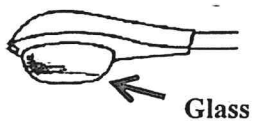
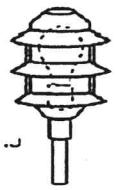
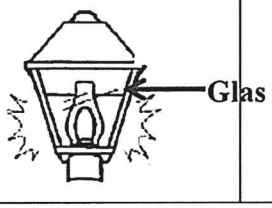
Fully Shielded Wall Packs or Wall Mounted Fixtures			
			

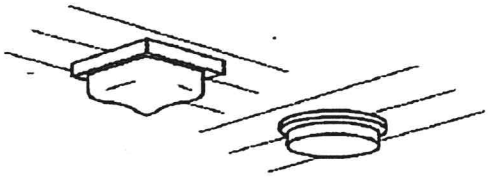
Fully Shielded Emergency Fixtures			
			

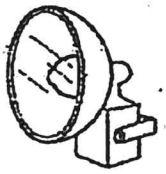
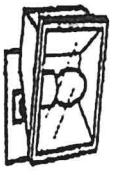
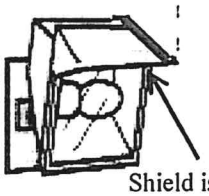
*Only fully shielded fixtures are permitted per Section 5.1.

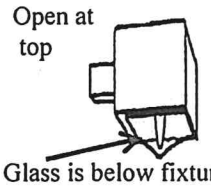
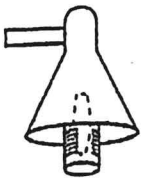
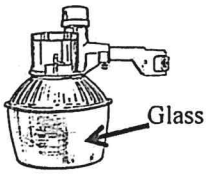
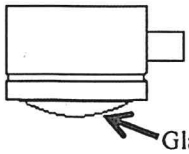
FULLY SHIELDED LUMINAIRE: A light fixture or luminous tube constructed and mounted such that all light emitted by the fixture or tube, either directly from the lamp, tube, or a diffusing element, or indirectly by reflection or refraction from any part of the light fixture, is projected below the horizontal. If the lamp or tube, any reflective surface, or lens cover (clear or prismatic) is visible when viewed from above or directly from the side, from any angle around the fixture or tube, the fixture or tube is not fully shielded.

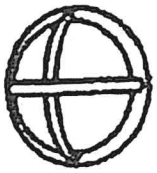
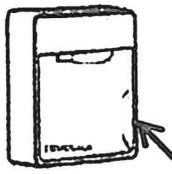
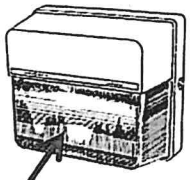
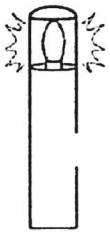
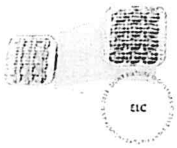
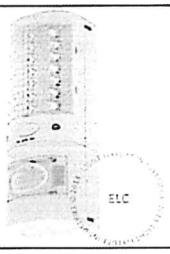
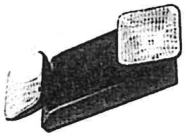
Appendix C-2
Examples of Fixtures that are NOT Fully Shielded

Fully shielded Street Lighting	Not Fully Shielded Louvered 'Marine' Style Fixtures	Not Fully Shielded 'Period' Style Fixtures	
			

Drop-Lens Canopy Fixtures	Not Fully Shielded PAR Floodlights
 Not fully shielded and not	Angle is not straight down

Not Fully Shielded Floodlights					
Angle is not straight down			 Shield is too small		

Not Fully Shielded Drop-Lens & Sag Lens Fixtures				
 Open at top Glass is below fixture				

Not Fully Shielded Wall Packs or Wall Mounted Fixtures				Not Fully Shielded Bollards	
		 Exposed polished reflector	 Glas		

Not Fully Shielded Emergency Fixtures