



The City of Snellville
 Department of Planning & Development
 2342 Oak Road, 2nd Floor
 Snellville, GA 30078
www.snellville.org

(770) 985-3513
 (770) 985-3514
 FAX (770) 985-3551

APPLICATION FOR EXTERIOR LIGHTING PERMIT

Permit No. **L**

DATE _____

Permit for: NEW INSTALLATION/ADDITION UPGRADE REPLACEMENT REPAIR

Property Type: SHOPPING CENTER STANDALONE COMMERCIAL

(please print or type)

ADDRESS OF JOB _____

For City of Snellville Use: ADDRESS VERIFIED TO BE IN CITY LIMITS: _____

PROPERTY OWNER NAME: _____

Mailing Address: _____ City: _____ St: _____ Zip: _____

Contact Name: _____ Email: _____ Phone: _____

LIGHTING CONSULTANT NAME: _____

Address _____ City _____ St: _____ Zip _____

Contact Name: _____ Email: _____ Phone: _____

ELECTRICAL CONTRACTOR NAME (if different from Lighting Consultant): _____

Address _____ City _____ St: _____ Zip _____

Contact Name: _____ Email: _____ Phone: _____

GA Professional License No. : _____ Issue Date: _____ Expiration Date: _____

WORK TO BE PERFORMED
 (Indicate number of fixtures)

ARCHITECTURAL/ DECORATIVE	___	PARKING LOT POLE & FIXTURE	___	WALL -PACK	___	GROUND SIGN	___
OTHER:							

ARE THERE ANY EXISTING NON-CONFORMING LIGHT FIXTURES ON THE BUILDING OR PROPERTY? Yes No

IF YES, ALL NON-CONFORING LIGHT FIXTURES WILL NEED TO BE REMOVED. IF TO BE REPLACED, FIXTURES SHALL BE CONFORMING AND INCLUDED IN THE SITE LIGHTING PLAN.

DESCRIBE SCOPE OF WORK: _____



GENERAL LIGHTING STANDARDS

- A. Any lighting used to illuminate parking areas, access drives or loading areas shall be of such design or level of illumination so as to minimize the amount of ambient lighting perceptible from adjacent properties and that would impair the vision of motorists.
- B. Exterior architectural, display and decorative lighting visible from the street shall be generated from concealed, low-level light fixtures.
- C. Entrances into developments from a street may be lighted for traffic safety reasons provided such lighting does not exceed the foot candle requirements for lighting walkways and streets.
- D. The City of Snellville Mayor and Council will have the discretion to allow limited flexibility as to variations in the minimum and average levels if the proposed levels are below the ordinance standards, depending on site and traffic conditions. The City Council will not allow flexibility for proposed levels which exceed the maximum levels, unless such levels strictly conform to the recommended levels within the IESNA Lighting Handbook, the accepted industry standards.
- E. All lighting fixtures designed or placed so as to illuminate any portion of a site shall meet the following requirements:
- (1) Fixture (luminaries). Any lighting fixture shall be a cutoff luminary whose source is completely concealed with an opaque housing. Fixtures shall be recessed in the opaque housing. Drop Dish Refractors are prohibited. The wattage shall not exceed 420 watts/480V per light fixture. This provision includes lights on mounted poles as well as architectural display and decorative lighting visible from a street or highway. Wall Pack lighting shall be cut-off down directional a maximum of 250 watts. Canopy lighting shall be cut-off luminaries with a maximum lamp wattage of 400 watts.
 - (2) Light Source (Lamp). Only incandescent, fluorescent, LED, metal halide, mercury vapor, natural gas, or color corrected high-pressure sodium (CRI of 60 or better) light may be used. The same type must be used for the same or similar type of lighting on any one site.
 - (3) Mounting. Fixtures must be mounted in such a manner that the cone of the light is not directed at any property line of site. The minimum mounting height for a pole is 12 feet. The maximum mounting height for a pole is 25 feet excluding a three (3) foot base. Any fixture and pole locating within 20 feet of a residential zoning shall be type four or forward throw distribution.
 - (4) Light Shields. Light shields shall be required upon the determination of the Zoning Enforcement Officer.
 - (5) Additions, Upgrades, Renovations. Future renovations, upgrades, or additions to such facilities in use prior to 2-24-2003 (the effective date of the lighting ordinance) shall not exceed existing illumination levels below. **The entire site must be brought into conformance with this article should a renovation, upgrade, or addition occur.**
 - (6) Illumination Levels. All site lighting shall be designed so that the level of illumination as measured in foot-candles (fc) at any one point meets the following standards. Minimum and maximum levels are measured at any one point. Average level is not to exceed the calculated value, and is derived using only the area of the site included to receive illumination. Points of measure shall not include the area of the building or areas, which do not lend themselves to pedestrian traffic.



Also if the major portion of the lighting design is to be in the front of a building, the average level should not be affected by adding a light or two in the back of the same building, which would raise the average of the intended area for lighting.

Illumination levels are as follows:

Location or Type of Lighting	Minimum Level	Average Level	Maximum Level
Area for display of Outdoor Merchandise	1.0	5.0	15.0
Commercial, Office, & Public/Semi-Public Parking Areas	0.6	2.40	10.0
Multi-Family Residential Parking Areas	0.2	1.50	10.0
Walkways and Streets	0.2	2.00	10.0
Landscape and Decorative	0.0	0.50	5.0

(7) Public or Private Outdoor Recreational Lighting.

(a) Light Level on the Playing Field-Quantity of Illumination.

The illumination level must satisfy the requirements of the players, as well as the spectators. The recreational facility shall be designed such that the maintained lighting level does not exceed the IESNA recommendations by more than 15%, as approved by the Planning Director or designee, for the specific sport and the level of play at the facility.

(b) Uniformity Ratio.

The uniformity ratio shall be in conformance with IESNA recommendations, for the specific type of field to be illuminated.

(c) Spill & Glare Control.

(1) Spill Control: Illumination levels beyond the property line of the recreational facility, attributable to the recreational facility lighting system, shall not exceed the values (given in Table 1) on an adjacent residential property line or 150', whichever is closer. Maximum values are given for both initial horizontal foot-candles and initial vertical foot-candles. Horizontal readings shall be measured at thirty-six inches (36") above grade. Vertical foot-candles readings shall be measured at thirty-six (36") above grade with the meter aimed, in succession, at each light bank and the maximum foot-candle reading recorded.

(2) Glare Control: The luminaries shall be installed to operate, such that the candela value from an individual fixture, does not exceed 12,000 candela at the angle above nadir shown in the table below. Different angles are used to more closely reflect the spill and glare concerns for the different environmental zones found throughout the City of Snellville. For further clarification, the value of 12,000 candela is used, as it closely approximates the intensity of light coming from a low beam headlight.



Environmental Zones (as defined in IESNA RP-33-99)

- E1: Areas with intrinsically dark landscapes, such as national parks, areas of outstanding natural beauty, etc.
- E2: Areas of low ambient brightness, including sensitive residential areas.
- E3: Areas of medium ambient brightness, generally being urban residential areas.
- E4: Areas of high ambient brightness, which would include dense urban areas with mixed residential and commercial use with high level of nighttime activity.

Light Trespass Limitations for Sports Lighting			
Environmental Zone	Pre-curfew Limitations	Post-Curfew Limitations	Degrees above nadir not to exceed 12,000 candela from a single fixture
E1	Not allowed	0.0 Max Vertical	Not allowed
E2	0.25 Max Horizontal 1.0 Max Vertical	0.10 Max Vertical	82 degrees
E3	0.5 Max Horizontal 2.0 Max Vertical	0.30 Max Vertical	85 degrees
E4	0.75 Max Horizontal 3.0 Max Vertical	0.60 Max Vertical	88 degrees

(d) Continuation of Nonconforming Sports Lighting.

The lawful use of existing lighted outdoor recreational facilities may be continued. Future renovations or upgrades to such facilities in use prior to the effective date of this Ordinance shall not exceed existing illumination levels beyond the perimeter of the recreational facility.



APPLICATION SUBMITTAL REQUIREMENTS

- (1) A site lighting plan shall be submitted and drawn to a 1" = 20' scale minimum and include the following:
 - (a) Location and mounting information for each light.
 - (b) Illumination calculations showing light levels in foot candles at points located on a ten (10) foot center grid, including an illustration of the areas masked out per the requirements above regarding points of measurements.
 - (c) A fixture schedule listing fixture design, type of lamp, distribution and wattage of each fixture, and number of lumens after using 85% depreciation for both metal halide and high pressure sodium of initial output; (85% depreciation not applicable to recreational lighting.)
 - (d) Manufacturer's photometric data for each type of light fixture, including initial lumens and mean depreciation values.
 - (e) An illumination summary, including the minimum average and maximum foot-candle calculations ("array values") and the total number of array points (points used on the ten (10) foot grid calculations).
 - (f) Copies of all nema (fixture distribution) types with photometric reports in the form of independent testing laboratory submittals. Note: No isocandela curve reports will be accepted.
 - (g) Photometric calculations shall be initial and maintained with aiming diagrams and mounting heights.
- (2) Manufacturer product and specifications brochure for all light fixtures and light poles.
- (3) Electrical drawings/details indicating the electrical requirements for all light fixtures including the 'type and size' of wire, conduit size, and calculated load. Electrical installation shall meet the requirements of the NFPA National Electrical Code and must be performed by a Georgia licensed electrician.
- (4) Submit a completed and signed application for Building Permit.
- (5) Submit a \$50.00 plan review fee.
- (6) Building Permit fee is calculated at \$6 per \$1,000 cost of construction (\$25 min.), plus a \$50 Certificate of Completion fee). Fees will be collected upon issuance of an approved Building Permit.

APPLICATION FOR BUILDING PERMIT

CITY OF SNELLVILLE, GEORGIA

FOR CITY USE ONLY

Permit No. _____

Date Rcvd: _____
ECC: _____

DESCRIPTION OF WORK (Please mark all that apply)		<input type="checkbox"/> RESIDENTIAL	<input type="checkbox"/> COMMERCIAL
<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> ADDITION	<input type="checkbox"/> REPAIR	<input type="checkbox"/> ACCESSORY STRUCTURE
<input type="checkbox"/> INTERIOR FINISH	<input type="checkbox"/> ALTERATION	<input type="checkbox"/> SHELL ONLY	<input type="checkbox"/> MONUMENT / WALL SIGN

Description of Proposed Construction _____

Project Name or Business Location Name _____

Job Address _____ Lot _____ Block _____

Project/Subdivision _____ Tax Parcel # _____ - _____ Zoning _____

BUILDING INFORMATION (NEW OR AFFECTED AREA ONLY) Basement / Slab / Crawl Space (Circle One) _____	
Stories _____ Rooms _____ Baths _____ Bedrooms _____ Heated Sq.Ft. _____ Total Sq.Ft. _____	
Lot Size _____ Water Tap # _____ Sewer Tap # _____ Septic # _____ On Septic: <input type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Sprinkler (Protected) <input type="checkbox"/> Unprotected (Check One) Construction Contract Price \$ _____	
TYPE OF CONSTRUCTION (NEW CONSTRUCTION ONLY) <input type="checkbox"/> -IA <input type="checkbox"/> -IB <input type="checkbox"/> -IIA <input type="checkbox"/> -IIB <input type="checkbox"/> -IIIA <input type="checkbox"/> -IIIB <input type="checkbox"/> -IV <input type="checkbox"/> -VA <input type="checkbox"/> -VB	
OCCUPANCY TYPE (GROUP DESCRIPTIONS ON INTERNATIONAL BUILDING CODE LISTING)	
<input type="checkbox"/> -A-1 Assembly, theaters, with stage	<input type="checkbox"/> -E Educational
<input type="checkbox"/> -A-1 Assembly, theaters, w/o stage	<input type="checkbox"/> -F-1 factory and industrial, moderate hazard
<input type="checkbox"/> -A-2 Assembly, nightclubs	<input type="checkbox"/> -F-2 Factory and industrial, low hazard
<input type="checkbox"/> -A-2 Assembly, restaurants, bars, banquet halls	<input type="checkbox"/> -H-1 High Hazard, explosives
<input type="checkbox"/> -A-3 Assembly, churches	<input type="checkbox"/> -H234 High Hazard
<input type="checkbox"/> -A-3 Assembly, general, community halls, libraries, museums	<input type="checkbox"/> -H-5 HPM
<input type="checkbox"/> -A-4 Assembly, arenas	<input type="checkbox"/> -I-1 Institutional, supervised environment
<input type="checkbox"/> -B Business	<input type="checkbox"/> -I-2 Institutional, incapacitated
	<input type="checkbox"/> -I-3 Institutional, restrained
	<input type="checkbox"/> -I-4 Institutional, day care facilities
	<input type="checkbox"/> -M Mercantile
	<input type="checkbox"/> -R-1 Residential, hotels
	<input type="checkbox"/> -R-2 Residential, multiple family
	<input type="checkbox"/> -R-3 Residential, one- and two-family
	<input type="checkbox"/> -R-4 Residential, care/assisted living facilities
	<input type="checkbox"/> -S-1 Storage, moderate hazard
	<input type="checkbox"/> -S-2 Storage, low hazard
	<input type="checkbox"/> -U Utility, Garages, miscellaneous

OWNER _____ Phone (____) _____

Address _____ City/State/Zip _____

Fax (____) _____ Cell (____) _____ E-Mail _____

CONTRACTOR _____ Phone (____) _____

Address _____ City/State/Zip _____

Fax (____) _____ Cell (____) _____ E-Mail _____

Business License # _____ Issuing Authority _____ Exp. Date _____

As the contractor, builder, owner or authorized agent, I hereby apply for a permit to erect/alter and use the structure as described herein and/or shown on accompanying plans and specifications. If a plot plan is required, said structure will be located as shown on the plot plan. If the permit is granted, I shall construct same according to the development regulations, ordinances and code of the City of Snellville. Further, I shall be responsible for complying with all subdivision protective covenants (where applicable) and required set backs. I also understand that the structure authorized by the permit shall not be occupied or used until all inspections have been made, all re-inspection fees and fines paid and the Certificate of Occupancy/Completion has been issued by the Department of Planning & Development (and by the Gwinnett County Department of Fire & Emergency Services, when applicable). Applicant must hold a valid Occupational Tax Certificate (AKA "business License") for the type of construction covered by the permit issued. A homeowner is not required to have an Occupational Tax Certificate if building one's own personal home (not more than one home per year). I understand that before any inspections will be made, erosion control measures must be installed and properly maintained daily and licensed subcontractor affidavits must be submitted and accepted. I hereby certify that I am the property owner or the authorized agent of the property owner and that all information contained hereon is true and accurate.

Signature _____ Print Name _____ Date _____