



**A. Required Lighting Plan Items**

The following information shall be submitted with your Site Plan Review (SPR) permit:

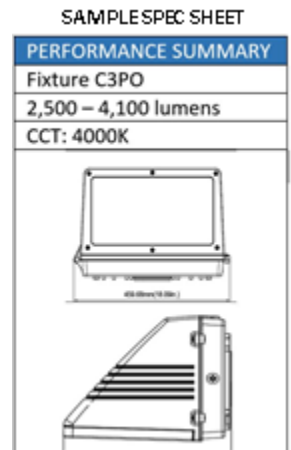
- Site plan showing location and mounted height of all exterior lights
- Manufacturer's spec sheet for each type of light fixture, including:
  - Description of light fixture
  - Top and side drawings of fixture
  - Kelvin and lumen rating
- Point-by-point footcandle photometric plan showing the location and aim of exterior lighting at the developed area and at property lines. (Graph may be accepted in lieu of photometric plan when only attached building wall-pack lighting is proposed and the fc readings/distances can be verified based on the graph)

**B. Other Commercial Lighting Considerations**

- Lighting affidavit allowed in place of photometric plan for internally/back-lit signs
- Per *Sec. 78-668 (f)(1)(e)* of the Buncombe County Zoning Ordinance, the Zoning Administrator may waive the requirements for a lighting plan set forth above, provided the applicant has provided all other required information and can sufficiently demonstrate compliance with this section. If the lighting plan requirements are waived, the requirements set forth in subsection (f)(2) and (f)(3) shall also not apply.

**C. Light Measurements**

| INTENSITY LIMITS                             |  |             |
|--|--|-------------|
|  | Max footcandle at any property line              | 0.75 Max    |
|  | Max footcandle at any public street Right of Way | 3.0 Max     |
|  | Max Average footcandle for the developed area    | 4.5 Max Avg |
|  | LED light degrees Kelvin Rating                  | 4,300 Max   |
| LUMINAIRE RATING                             |  |             |
|  | Lumen rating for cutoff fixture                  | 1,250 Max   |
|  | Lumen rating for full-cutoff fixture             | >1,250 Max  |
| OUTDOOR PARKING, LOADING, AND STORAGE LIMITS |  |             |
|  | Highest Mounted height of wall and pole lighting | 37 feet Max |
|  | Max average light level of parking area          | 6.0 fc Max  |



## D. Other Lighting Type Requirements

### Accent and Facades

Accent/Facade lighting must be directed towards the face of the building

Lights must be directed downwards towards the ground

Lighting placed close to the building must be low watt and shielded to minimize reflection

### Vehicular Canopies (Gas Stations)

30 fc max average light underneath vehicular canopies (*Including all light sources*)

Canopy lights are either fully recessed ceiling lights, or mounted full cutoff shielded fixtures

### Dusk-to-dawn / Security lights

9,500 lumen Max rating

25 feet Max mounted height above the lowest adjacent grade

Full cutoff fixture required

### Street lighting

Street lights on newly constructed streets must be alternately staggered on each side of the road

9,500 lumen Max rating in residential areas

50,000 lumen Max rating in commercial or industrial areas

Full cutoff fixtures required

Decorative post fixtures mounted 18 feet or lower may be cutoff with ZA or BOA approval

### Outdoor Sales and Display areas

37 feet Max mounted height of all outdoor sales/display area lighting

25 footcandle Max average light level of sale/display areas

### Outdoor Sports and Performance areas

80 feet Max mounted height of all outdoor sports/performance lighting

Glare control package required on all lights (louvers, shields, etc.)

Fixtures light beam must be aimed into the primary playing/performance area

Hours of operation of lighting system must coincide with active use periods or maintenance times of the sports/performance area

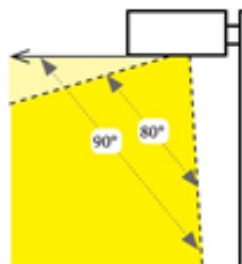
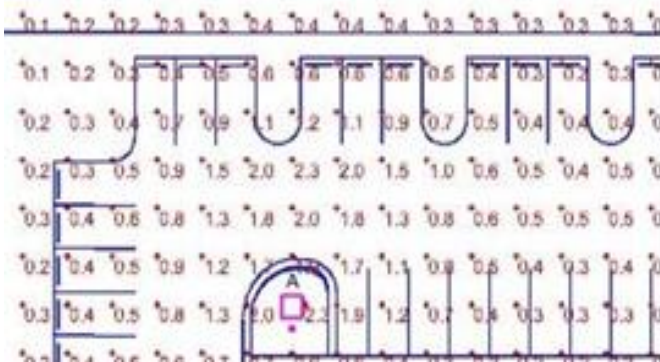
### EXEMPT FROM REQUIREMENTS

- Lighting for Single Family residential use
- Lighting required by Fed/State/Local laws
- Seasonal displays with low-wattage bulbs
- Temporary lighting which does not use prohibited types

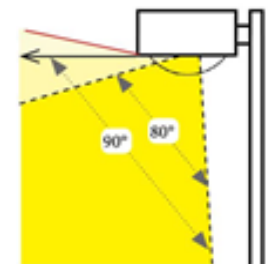
### PROHIBITED LIGHTING

- Search, laser, or other high intensity lights (except when temp.)
- Up-oriented lighting
- Lighting that could be confused for traffic control devices
- Suspended string of lights with individual lamps larger than 45 lumens, except when only used for seasonal decorations

SAMPLE PHOTOMETRIC



Full Cut-Off



Cut-Off (Partial)