

**SITE LIGHTING GUIDELINES
DESIGNERS ARE...**

ENCOURAGED TO INCORPORATE

CAUTIONED TO AVOID

GENERAL

Patterns of light which highlight entrances and intersections

“White” light sources for area lighting

Metal Halide

Halogen

“White” or greenish light for landscape accent lighting

Metal Halide, Halogen

Color Corrected Mercury Vapor

High levels of light across the entire project

Light sources which produce poor color rendition - High or Low Pressure Sodium

ROADWAY/PARKING LOT/SERVICE AREA:

“Historic Style”

Parking (Small Parcels)

Roadways

Pedestrian Areas

Near Buildings

Impact on adjacent parcels

“Shoe Box Style”

Parking (Large Parcels)

Service Areas

PEDESTRIAN AREA/ACCENT:

12' maximum mounting height on posts

Low glare shielded mushroom type walk lights

Shielded tree mounted fixtures

Shielded tree uplights

Modest levels

Soffit fixtures unless can lights
Moving or animated displays

SITE SIGNAGE:

Halo lighting

Direct lighting in washes

Flourescents and Wide Sign Lights

Internal illumination
Spotty or overly bright lighting

VIII. SITE LIGHTING GUIDELINES

A. General Site Lighting Requirements

The site lighting design philosophy of the Project is to create an aesthetically attractive and cohesive pattern of lighting that:

- provides safety and security to residents, visitors and employees at the Project,
- unifies the Center through the use of consistent lighting fixtures, patterns of light and light sources
- encourages conservation through the use of efficient design and light sources
- minimizes glare by using fixtures where the source is not directly visible (see the effect, not the source)
- minimizes atmospheric dispersion by using cut-off fixtures
- orients the user by creating patterns of light that highlight intersections and entrances

In order to promote a unified image for the Project, the following site lighting guidelines apply to parcels. All site lighting will conform to these guidelines for size, shape, materials, color, location, light source, and illumination levels.



B. Parcel Lighting

All parcels will utilize consistent styles of lighting fixtures and light sources to create a unified image for the Project.

LP-1 Parcel Roadway, Parking Lot and Service Area Lighting

All parcels will utilize the same styles and types of fixtures (pole and luminaire) for roadway, parking lot and service area lighting. Applicants have a choice of either of two types of fixtures for use in these areas - either the "Historic Style", or the "Shoe Box Style" alternate. Small parcels are encouraged to incorporate the "Historic" fixture, while larger parcels and the service areas of smaller parcels may prefer the "Shoe Box" fixture due to its efficiency. Larger parcels may consider the use of the "Historic" fixture for roadways and pedestrian areas in the front of buildings and the "Shoe Box" fixture for parking areas. Fixtures will comply with the following specifications, which available for lease from Palmetto Electric or can be installed and maintained by the developer. *Fixtures of an equivalent style and light intensity may also be used with approval from CRB.*

LP-1A "Historic Style"

- Luminaire
 - HADCO Baltimore V68 Series
 - Cutoff type to reduce glare
 - High performance reflector
 - 175 watt metal halide lamp (white)
 - Generally:
 - Type III asymmetric for roadways, entry ways, intersections and edges of parking. Designed to throw light away from adjacent residential and office uses
 - Type V square for parking interiors
 - Black finish thermoset polyester powder coat
- Pole
 - HADCO P-1790
 - Round section aluminum with decorative base
 - Black finish thermoset polyester powder coat
 - 14' mounting height

LP-1B "Shoe Box Style"

- Luminaire
 - HADCO Poly-Quad P21A Series
 - Cutoff type to reduce glare
 - High performance reflector
 - 175 watt metal halide lamp (white)
 - Generally:
 - Type III asymmetric for roadways, entry ways, intersections and edges of parking. Designed to throw light

away from adjacent residential and office uses

Type V square for parking interiors

- Black finish thermoset polyester powder coat
- Pole
 - Laminated wood poles
 - 20' mounting height, regardless of parking lot or parcel size
 - Double fixture on poles shall be avoided

Fixture Location

- Roads - 6' from edge of paving/face of curb
- Parking - preferably in planting beds, minimum 4' from edge of paving/face of curb, without concrete pedestal - if not in plant beds and mounted on concrete pedestals, then pedestals will be smooth finish unpainted concrete.

LP-2 Parcel Pedestrian Area Lighting

Pedestrian areas (walkways, plazas, sitting areas not in parking areas) will utilize light fixtures that reflect the style and motif of adjacent buildings and that conform to the following guidelines:

- Pole mounted walkway lights are allowed with maximum of 12' mounting height.



- Applicants are encouraged to use low level fixtures (18" - 30" +/- height) with light sources shielded from view (example: mushroom type).
- Bollards with internal fixtures are permissible (42" +/- height).
- Building mounted (example-soffit) fixtures are discouraged, unless can lights or other concealed sources are used.
- Tree mounted down lights are permissible, if long hoods and cut off louvers are used to shield light source from view.
- Permissible sources include incandescent, mercury vapor (color corrected) and metal halide. White is the only permissible color of light.

LP-3 Parcel Accent Lighting

Lighting of plant materials, landscape features, building walls, flagpoles and other accented features will conform to the following guidelines:

- Moving light sources are not allowed.
- Light sources will be shielded from view by ground mounting the fixture, extended shields, cut off louvers, planted screens or other methods.
- Tree mounted uplights and down lights are permissible, if long hoods and cut off

louvers are used to shield light source from view.

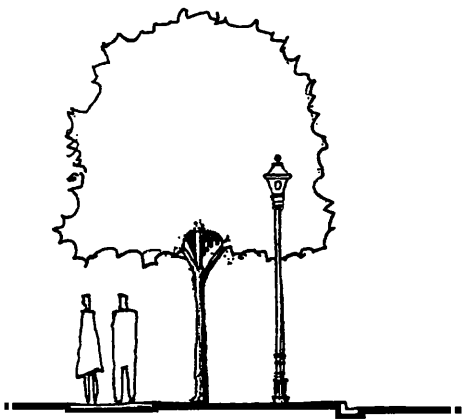
- Permissible sources include incandescent, halogen, mercury vapor (color corrected) and metal halide. White is the only permissible color of light.

LP-4 Parcel Site Signage Lighting

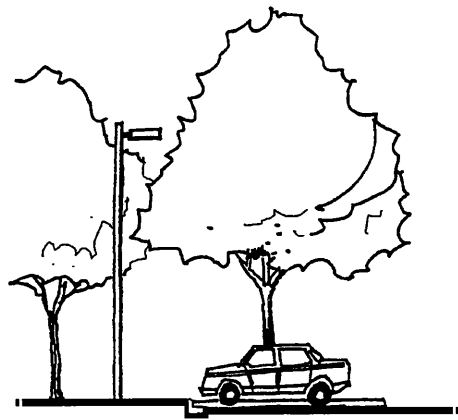
Site signage lighting will conform to the following guidelines:

- Internally illuminated signs and neon signs are not permitted.
- Halo lighting and stationary fixtures directed solely at signs are permitted.
- Illuminated signs are not allowed to have reflective backgrounds, however, reflective lettering is permitted.
- Light sources will be of moderate intensity and designed to minimize glare and reflection. Light sources will be concealed. White is the only permissible color of light.
- Light will be consistent across sign face. Use of fluorescents (color corrected) or wide sign light fixtures is encouraged.

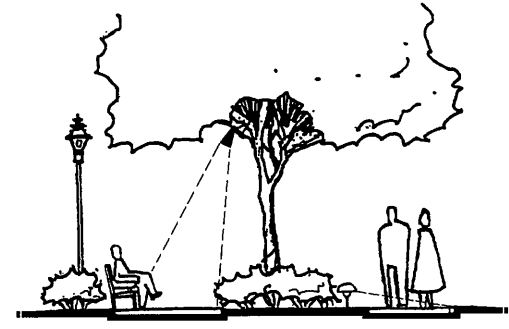




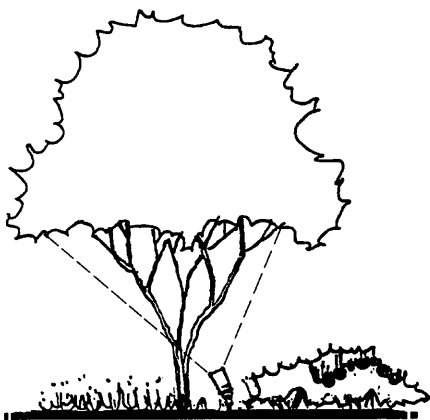
LP-1A Parcel Roadway, Parking Lot and Service Area Lighting ("Historic Style")



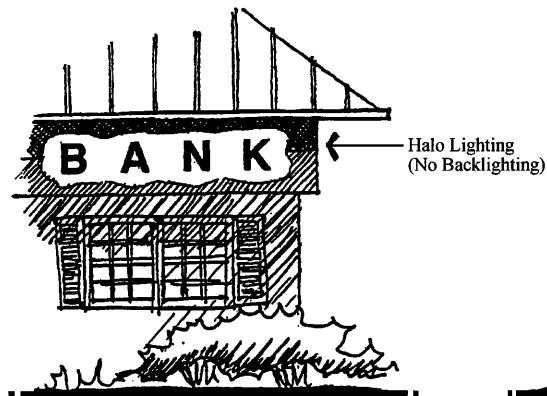
LP-1B Parcel Roadway, Parking Lot and Service Area Lighting ("Shoe Box Style")



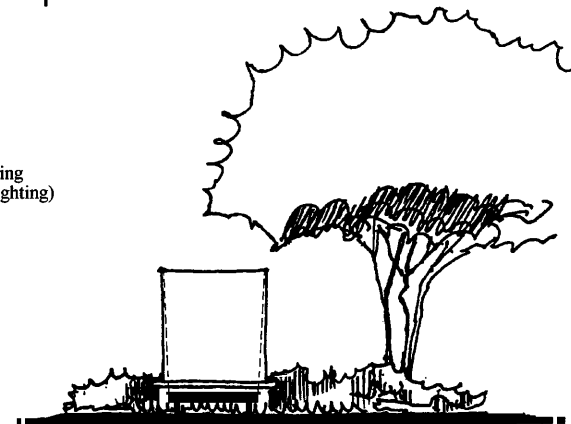
LP-3 Parcel Pedestrian Area Lighting



LP-3 Parcel Accent Lighting



LP-4



Parcel Site Signage Lighting

