



# CERTIFICATE OF APPROPRIATENESS PLACARD

for Raleigh Historic Resources

## Project Description:

Install bollard lighting along entrance pathways; replace lighting in amphitheatre; install uplighting

301 Pogue St

Address

Historic District

Raleigh Little  
Theatre/Amphitheatre/Rose Garden

Historic Property

COA-0069-2019

Certificate Number

7/2/2019

Date of Issue

1/2/2020

Expiration Date

*This card must be kept posted in a location within public view until all phases of the described project are complete. The work must conform with the code of the City of Raleigh and laws of the state of North Carolina. When your project is complete, you are required to ask for a final zoning inspection in a historic district area. Telephone the RHDC office at 832-7238 and commission staff will coordinate the inspection with the inspections Department. If you do not call for this final inspection, your Certificate of Appropriateness is null and void.*

Signature, \_\_\_\_\_

*Collette R. Kinnel*

Raleigh Historic Development Commission

*Pending the resolution of appeals, commencement of work is at your own risk.*



**Certificate of Appropriateness | Application**

Development Services Customer Service Center • One Exchange Plaza, Suite 400 | Raleigh, NC 27601 | 919-996-2495



This form can be submitted in person or via USPS at the above address.

Type or print the following:			
Applicant name: Raleigh Little Theatre, Inc.			
Mailing address: 301 Pogue Street			
City: Raleigh	State: NC	Zip code: 27607	
Date: May 9, 2019		Daytime phone #: (919) 821-4579 x221	
Email address: charles@raleighlittletheatre.org			
Applicant signature: <i>Charles Pham</i>			
<input checked="" type="checkbox"/> Minor work (staff review) – one copy Major work (COA committee review) – one copy (10 copies will be required after initial staff review)  <input type="checkbox"/> Additions > 25% of building sq. footage <input type="checkbox"/> New buildings <input type="checkbox"/> Demolition of building or structure <input type="checkbox"/> All other  <input type="checkbox"/> Post approval re-review of conditions of approval		<b>Office Use Only</b> Transaction #: <u>600665</u> File #: <u>COA-0069-2019</u> Fee: <u>\$30</u> Amount paid: <u>\$30</u> Received date: <u>6/14/19</u> Received by: <u><i>Sunni</i></u>	
Property street address: 301 Pogue Street			
Historic district: NA			
Historic property/Landmark name (if applicable): Raleigh Little Theatre			
Owner name: City of Raleigh			
Owner mailing address: 301 Pogue Street			

**For applications that require review by the COA Committee (major work), provide addressed and stamped envelopes for owners for all properties with 100 feet on all sides of the property, as well as the property owner.**

Property Owner Name & Address	Property Owner Name & Address

**I understand that all major work applications that require review by the Raleigh Historic Development Commission's COA Committee must be submitted by 4 p.m. on the date of the application deadline; otherwise, consideration will be delayed until the following committee meeting. An incomplete application will not be accepted.**

Will you be applying for rehabilitation tax credits for this project? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Did you consult with staff prior to filing the application? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Office Use Only</b> Type of work: <u>48, 50</u>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------

Design Guidelines: please cite the applicable sections of the design guidelines ( <a href="http://www.rhdc.org">www.rhdc.org</a> ).		
Section/Page	Topic	Brief description of work (attach additional sheets as needed).
1.7, 30	Lighting	Uplighting of existing, historic trees on the campus
1.7, 30	Lighting	Installation of new lighting bollards to better illuminate pathways
1.7, 30	Lighting	Replacement of old incandescent fixtures on lamp posts in the amphitheater with new LED fixtures of a similar design
1.7, 30	Lighting	Installation of pole-mounted shielded downlighting at entrance to main parking lot

Minor Work Approval (office use only)	
Upon being signed and dated below by the Planning Director or designee, this application becomes the Minor Work Certificate of Appropriateness. It is valid until <u>01/02/20</u> . Please post the enclosed placard form of the certificate as indicated at the bottom of the card. Issuance of a Minor Work Certificate shall not relieve the applicant, contractor, tenant, or property owner from obtaining any other permit required by City Code or any law. Minor Works are subject to an appeals period of 30 days from the date of approval.	
Signature (City of Raleigh)	<u>Collette R K</u> Date <u>07/07/2019</u>



To be completed by applicant			Office Use Only		
	Yes	N/A	Yes	No	N/A
Attach 8-1/2"x11" or 11"x17" sheets with written descriptions and drawings, photographs, and other graphic information necessary to completely describe the project. Use the checklist below to be sure your application is complete. <u>Minor Work</u> (staff review) – 1 copy <u>Major Work</u> (COA Committee review) – 1 copy (10 copies will be required after initial staff review).	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1. <b>Written description.</b> Describe clearly and in detail the nature of your project. Include exact dimensions for materials to be used (e.g. width of siding, window trim, tree species, etc.)	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. <b>Description of materials</b> (Provide samples, if appropriate)	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. <b>Color Photographs</b> of existing conditions are required. Minimum image size 4" x 6" as printed. Maximum 2 images per page. Photos should be of each side of the house, fully show the yards, and include streetscapes. <i>(B &amp; W submitted)</i>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. <b>Paint Schedule</b> (if applicable)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. <b>Site Drawings.</b> Required for projects that include any addition, demolition, fences, walls, or other landscape work. <ul style="list-style-type: none"> <li>• <u>Plot plan</u>   showing relationship of buildings, additions, sidewalks, drives, trees, property lines, etc.</li> <li>• Tree survey   include size, species, and critical root zone for each tree over 8" diameter when measured 4' above ground level</li> <li>• Tree protection plan   include material staging area, construction access, limits of disturbance, location of tree protection fencing</li> <li>• Grading plan</li> <li>• Dimensions shown on drawings and/or graphic scale (required)</li> <li>• 11"x17" or 8-1/2"x11" reductions of full-size drawings</li> </ul>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. <b>Architectural Drawings</b> showing existing and proposed work (if applicable) <ul style="list-style-type: none"> <li>• Plan drawings</li> <li>• Elevation drawings showing the façade(s). For additions, deck, and porches, include the grade.</li> <li>• Dimensions shown on drawings and/or graphic scale (required)</li> <li>• 11" x 17" or 8-1/2" x 11" reductions of full-size drawings. If reduced size is so small as to be illegible, make 11" x 17" or 8-1/2" x 11" snap shots of individual drawings from the big sheet.</li> </ul>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Stamped envelopes addressed to all property owners within 100 feet of property, on all sides of the property, as well as the property owner (required for Major Work). Use the <u>Label Creator</u> to determine the addresses.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. <b>Fee</b> (See Development Fee Schedule)	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Written description of proposed work for RLT Minor Work Application (6-19)

- 1 – Ten (10) new lighting bollards that are mounted on concrete bases to illuminate the pathways between the Sutton Theatre entrance, the Theatre's public parking lot off of Pogue Street, the Stephenson Amphitheatre (eight in all), and the Gardner Street entrance to the Stephenson Amphitheatre (two more for a total of 10)
- 2 – Replacing the heads of eight (8) pole lights that are placed throughout the Stephenson Amphitheatre
- 3 – Demolishing two (2) of the existing pole lights that are placed between the Sutton Theatre entrance and the public parking lot in order to create a more uniform lighting experience
- 4 – Addition of fourteen (14) uplighting fixtures for trees in the entry area
- 5 – Addition of one (1) pole-mounted shielded downlight at the entrance to the public parking lot off of Pogue Street

Description of materials (numbers correspond to above)

- 1 – Bollards are made of structural steel (3/16 inch walls), with a formed steel cap and a finish of weather steel. Various size screws (not visible) will be used to attach the bollards to a poured concrete base. Transformer providing power has a stainless steel case.
- 2 – Pole lights are LED fixtures and are powder coated aluminum
- 3 – NA
- 4 – Uplights are made out of cast brass with a bronze finish. Transformer providing power has a stainless steel case.
- 5 – Pole-mounted shielded downlight has a dark bronze finish.



Color Photographs for RLT Minor Work Application (5-19)

*Numbers correspond to written description of work*

1 – New lighting bollards (entrance from parking lot)





1 – New lighting bollards (entrance from Gardner Street)





## 2 – Replacing heads of existing pole lights







3 – Two (2) existing pole lights to be demolished





#### 4 – Location of new uplighting for trees in entryway

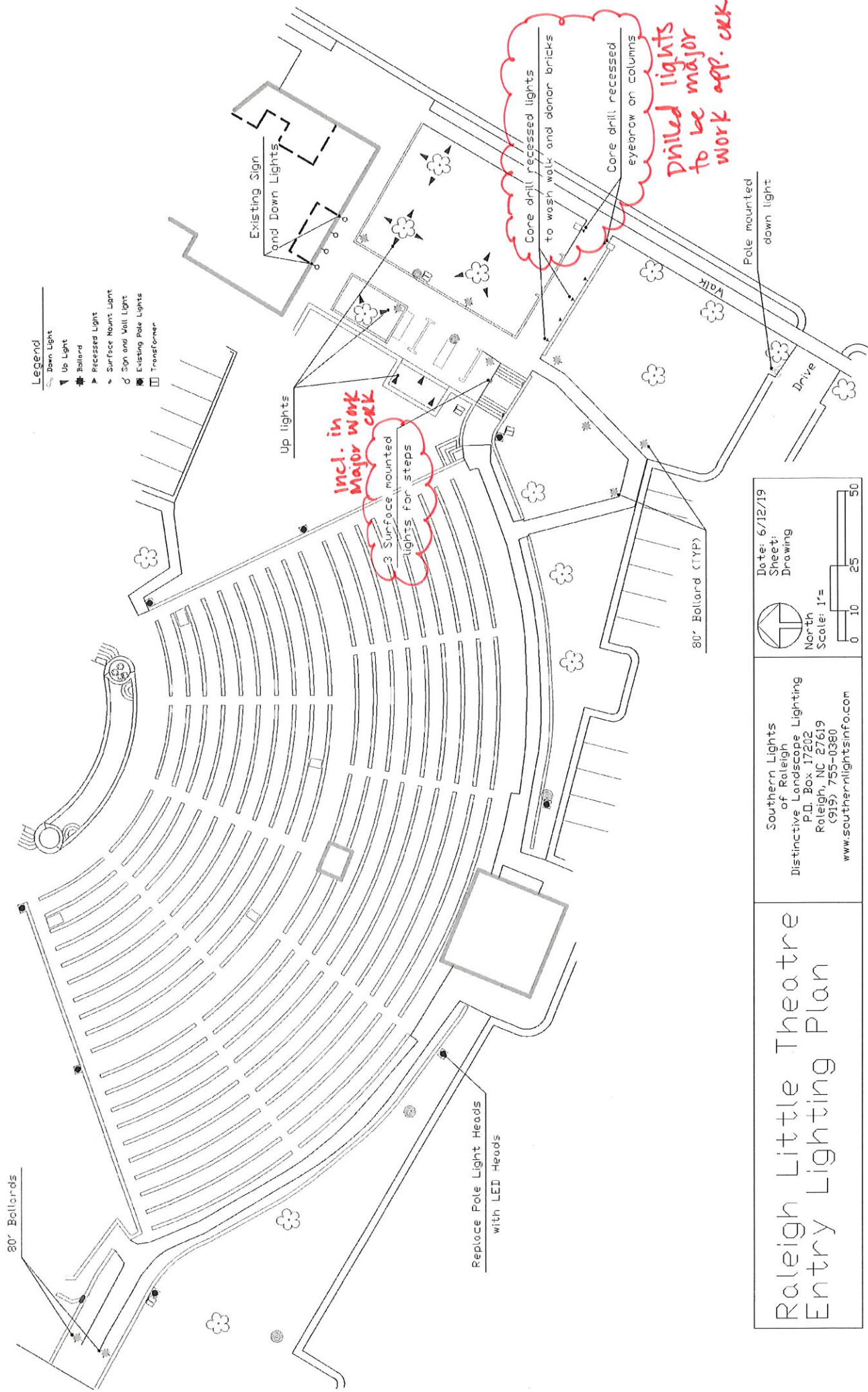




5 – Location of new downlighting for parking lot entrance







- Legend**
- Down Light
  - Up Light
  - Bollard
  - Recessed Light
  - Surface Mount Light
  - Sign and Wall Light
  - Existing Pole Lights
  - Transformer

Date: 6/12/19  
 Sheet:  
 Drawing

North  
 Scale: 1"=10'

0 10 25 50

Southern Lights  
 of Raleigh  
 Distinctive Landscape Lighting  
 P.O. Box 17202  
 Raleigh, NC 27619  
 (919) 755-0380  
 www.southernlightsinfo.com

# Raleigh Little Theatre Entry Lighting Plan

**Southern Lights of Raleigh, Inc.****PO Box 17202****Raleigh, NC 27619-7202****Proposal**

DATE	PROPOSAL #
5/15/2019	263624Min

NAME / ADDRESS	SHIP TO:
Raleigh Little Theatre Charles Phaneuf 301 Pogue St Raleigh NC 27607	Raleigh Little Theatre Charles Phaneuf 301 Pogue St Raleigh, NC 27607

Rep	TERMS	PROJECT
JG	50% Deposit; Ba...	Minor Work

QTY	DESCRIPTION
	This proposal is for landscape lighting described as "Minor Work" at Raleigh Little Theatre as follows:
8	Main Entrance Bollard Lighting
8	6x6 - 80" Bollard with Standard Pattern
1	Concrete Base for 8" Bollard, 12" Dia. X 18" Deep
	Transformer, 12V, 300W, 12-15V, Stainless Steel Case, Primary and Secondary Fusing, Steel Kindor or = post or wall mount
	Sub-Total 8 Bollards ..... \$ 15,865.00
8	Existing Pole Lights: Replace heads on 8; Disconnect 2.
	"ELA" brand, "Columbia" series LED post lamp fixtures, Size 18 (31.5" Ht x 19.5" Square)
	Subtotal for Post Light Upgrade to LED fixtures ..... \$12,920
	Add 14 Uplights on Trees in Entry Area
1	Transformer, 12V, 150W, Stainless Steel Case, Primary and Secondary Fusing, Steel Kindor or = post or wall mount
14	Cast Brass Uplight, Bronze Finish, MR-16 LED, 7W, 60 Deg, 3000K with Stake
	Subtotal Add 14 Uplights ..... \$4800
	Add Pole-Mounted, Shielded Downlight at P-Lot Entrance
1	Pole Light, 3" Dia x 21' (3 feet in concrete in ground) with PAR38 LED Shielded Bullet, 12V, 22W, 3500K, 40°, 1690 LU, Dark Bronze Finish
	Subtotal Pole Light at P-Lot ..... \$1150.00
	Add 2 80" Bollards at Gardner St Entrance (Requires additional outlet and bore)
2	6x6 - 80" Bollard with Standard Pattern
<b>TOTAL</b>	

DATE:



**Southern Lights of Raleigh, Inc.****PO Box 17202****Raleigh, NC 27619-7202****Proposal**

DATE	PROPOSAL #
5/15/2019	263624Min

NAME / ADDRESS	SHIP TO:
Raleigh Little Theatre Charles Phaneuf 301 Pogue St Raleigh NC 27607	Raleigh Little Theatre Charles Phaneuf 301 Pogue St Raleigh, NC 27607

Rep	TERMS	PROJECT
JG	50% Deposit; Ba...	Minor Work

QTY	DESCRIPTION
2	Concrete Base for 8" Bollard, 12" Dia. X 18" Deep
1	Transformer, 12V, 150W, 12-15V, Stainless Steel Case, Primary and Secondary Fusing, Steel Kindor or = post or wall mount
	Subtotal Add 2 Bollards at Gardner St ..... \$4700.00
	Add 2 Receptacles
2	Receptacles tied to existing pole lights by licensed electrician
	Subtotal 2 Receptacles ..... \$ 780.00
	Add-Alternates: (Not in Proposal Total)
	Remove 2 concrete post lamps while maintaining wiring to balance of post lights. ..... + \$3200
	Notes: No sales tax included in any totals.. Removal of 2 existing pole lights is suggested. Demolition and preservation of associated wiring is not included in this budget. This proposal assumes that dedicated GFCI-protected power per code for all transformers, and sleeves as needed (clearly marked by others and at a depth of 6-12" to top of pipe) are in place by others. Proposal is subject to revision 30 days after date of proposal, unless deposit is received allowing Southern Lights to lock in pricing. System will operate by existing controls by owner. This project may require electrical service to be provided beyond the scope of this project to power and/or control the proposed lighting system. This work must be provided by licensed electrician. Southern Lights can, if owner wishes, arrange for an electrician to provide needed services.
<b>TOTAL</b>	

DATE:



**Southern Lights of Raleigh, Inc.****PO Box 17202****Raleigh, NC 27619-7202****Proposal**

DATE	PROPOSAL #
5/15/2019	263624Min

NAME / ADDRESS	SHIP TO:
Raleigh Little Theatre Charles Phaneuf 301 Pogue St Raleigh NC 27607	Raleigh Little Theatre Charles Phaneuf 301 Pogue St Raleigh, NC 27607

Rep	TERMS	PROJECT
JG	50% Deposit; Ba...	Minor Work

QTY	DESCRIPTION
	<p>Client agrees that Southern Lights may take photographs of owner's lighting project for use in public displays, printed materials and/or other advertising media Southern Lights deems appropriate. Southern Lights will not release name or address without consent of client. Where not restricted, client authorizes Southern Lights to install one yard sign on client's property. This sign will be placed at or after contract acceptance and removed 7-14 days after system installation is complete.</p> <p>Warranty: Parts and Labor guaranteed for one year by Southern Lights. LED's guaranteed 2 years under normal operating conditions (defined as 6 hrs/night). Acts of god, damage from outside sources excluded. Additional manufacturers' warranties apply.</p> <p>Terms: 50% Deposit; Balance upon Completion. Final payment is due upon receipt of invoice or at Nite-Set. Accounts are considered past due 30 days after date of invoice. All past due accounts will be assessed finance charge of 1.5% per month (18% APR) from date of invoice.</p> <p>Sales Tax</p>
<b>TOTAL</b> \$40,215.00	

ACCEPTED: \_\_\_\_\_

DATE: \_\_\_\_\_

# SOUTHERN LIGHTS

DISTINCTIVE LANDSCAPE LIGHTING

## SPECIFICATION SHEET

Select Series - Up light SL-507

### SPECIFICATIONS:

The Southern Lights Uplight offers quiet elegance in a petite package. The SL-507 is our most popular and versatile fixture, able to illuminate stately trees or accent architectural details. The Uplight embodies quality design, materials and construction. Crafted from solid brass with an aged bronze patina, and sealed with twin o-rings, the Southern Lights SL-507 is engineered for many years of service from Coast to Grandfather Mountain. Utilizing the broadest range of reflector lamps, this versatile fixture provides the most precise illumination available.

#### **Up Light (SL-507)**

##### **Lamp Options**

[4] 4W LED 2700K 265 lm - 20 w halogen equivalent

[5] 5W LED 2700K 324 lm - 35 w halogen equivalent

[7] 7W LED 2700K 470 lm - 50 w halogen equivalent

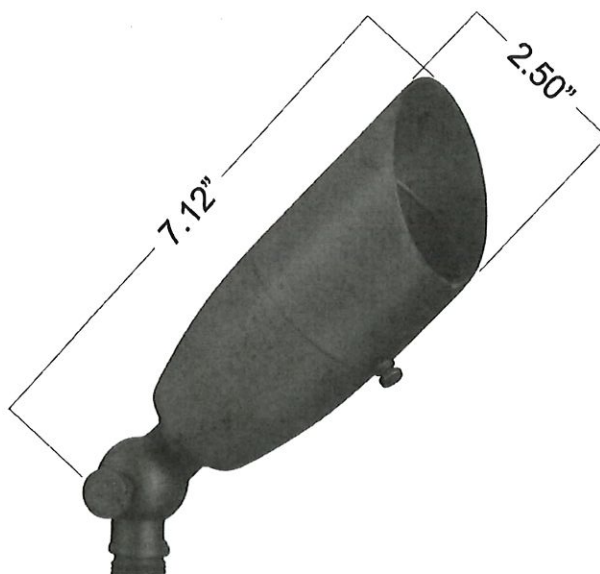
[20] 20W halogen

[35] 35W halogen

[50] 50W halogen

##### **Mounting**

[1/2] Universal 1/2" male threads & ground stake included



Southern Lights of Raleigh Inc..

P.O. Box 17202 Raleigh, NC 27619-7202 • Ph: 919-755-0380 • Fax: 919-833-5087  
southernlightsinfo.com • info@southernlightsinfo.com



- Socket assembly adjustable on lamp rod and mounting strap for ideal lamp height
- Socket (lamp) height adjustment options:
- Rotate threaded brass lamp rod holding socket
  - Move brass nuts on lamp rod and re-secure
    - Change lamp rod length
  - Position LED lamp on top plate for maximum light spread, position lamp higher to reduce glare
  - Use our recommended LED lamps for best shadow patterns

## 6x6x80" Bollard Installation

- Shown with optional 2nd lamp in base
- Please call with any questions

- 5/16" Set Screw - use 5/32" hex key to secure cap
- Maintenance: lubricate screws at cap removal
- Socket assembly mounting strap (stainless steel)
- Screws with flange nuts secure socket strap
- Socket with 10 ft leads used at top
- Socket with 3 ft leads used in 6x6 base
- MR16 adapter plate rests on top enclosure plate, which encloses and shields MR16 lamp
- Top enclosure plate welded in 6x6 top
- Opening sized for line voltage LED Flood option

## Attraction Lights

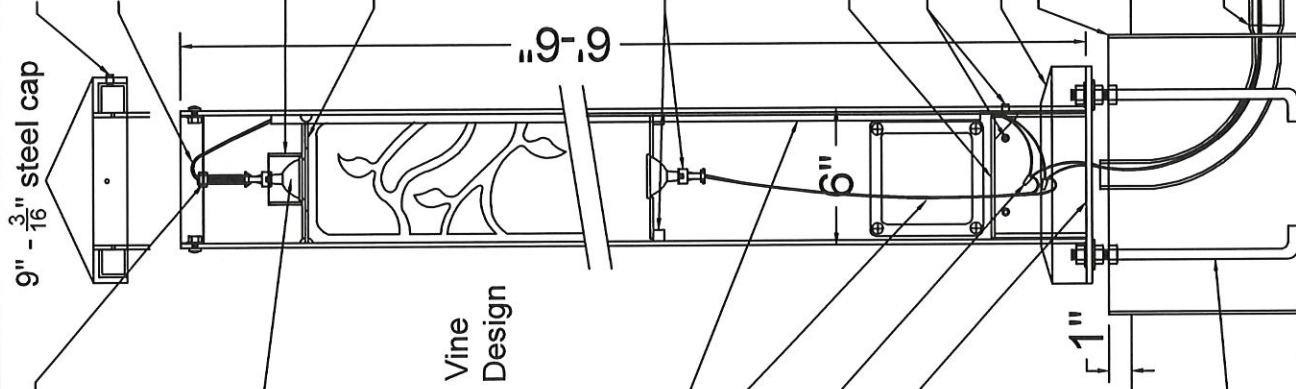
www.AttractionLights.com  
info@attractionlights.com  
970-316-0019

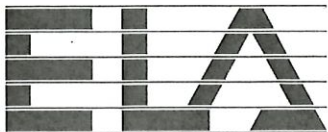
- 2nd socket option for up lighting decorative 6x6
- Suspended plate with magnets inside 6x6
  - Hang socket from plate and connect wires
  - Slide plate up inside 6x6 and position plate/lamp to balance lighting with no glare
  - False bottom plate option
  - Maintenance: remove accumulated debris
  - Set screws (4 - 5/16" stainless - use 5/32 hex key) secure bollard body to base plate
  - Cover cap hides bolts - set cap before wiring
  - Concrete Pier: (12" diameter, depth varies)
  - See About page - "Concrete Piers"
  - Hardware, template and instructions supplied

**Lifetime Guarantee Void** if soil covers base plate - hide concrete pier with mulch

1/2 x 10" galvanized anchor bolts

"L" (1") conduit for wires





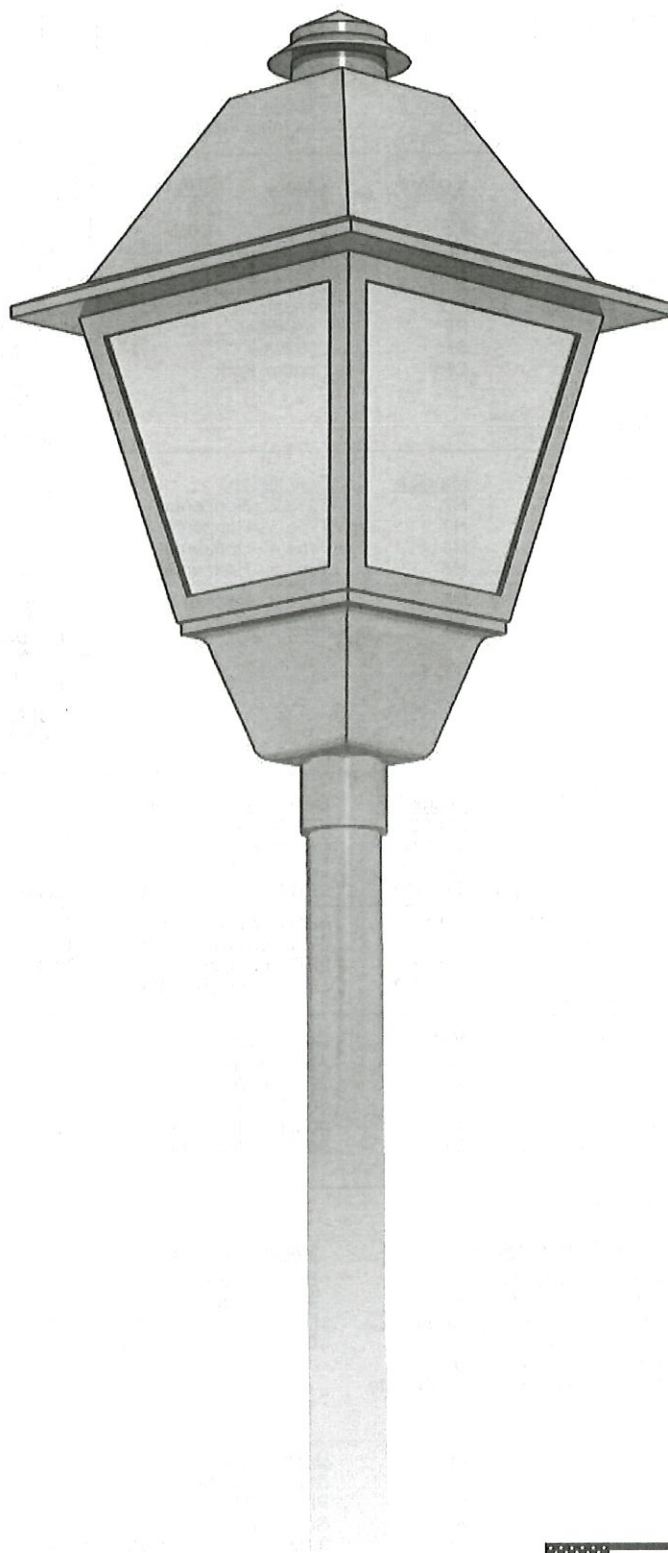
Project Name:
Type:

Environmental Lighting for Architecture, Inc.

## Columbia - CLM LED Ordering Matrix

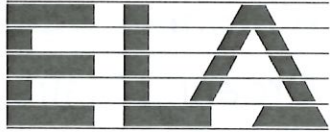
# Columbia

The Columbia is a traditional 4-sided lantern; which is available in two sizes, with each size available with several base styles. The Columbia offers a smooth, tapered hood with an optional decorative chimney; while generating up 135 watts of LED, producing 12960 lumens. The Columbia, which can be provided with several styles of side lenses or no side lenses for full cut-off optics, is often specified for court houses, museums, historical sites, piers and harbors, parking lots, site and walkway lighting, and much more.



Fixture is "Buy America Act" Compliant Proudly Made in the U.S.A.





Project Name: \_\_\_\_\_

Type: \_\_\_\_\_

# Columbia - CLM

## LED Ordering Matrix

Environmental Lighting for Architecture, Inc.

1 **CLM** / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9

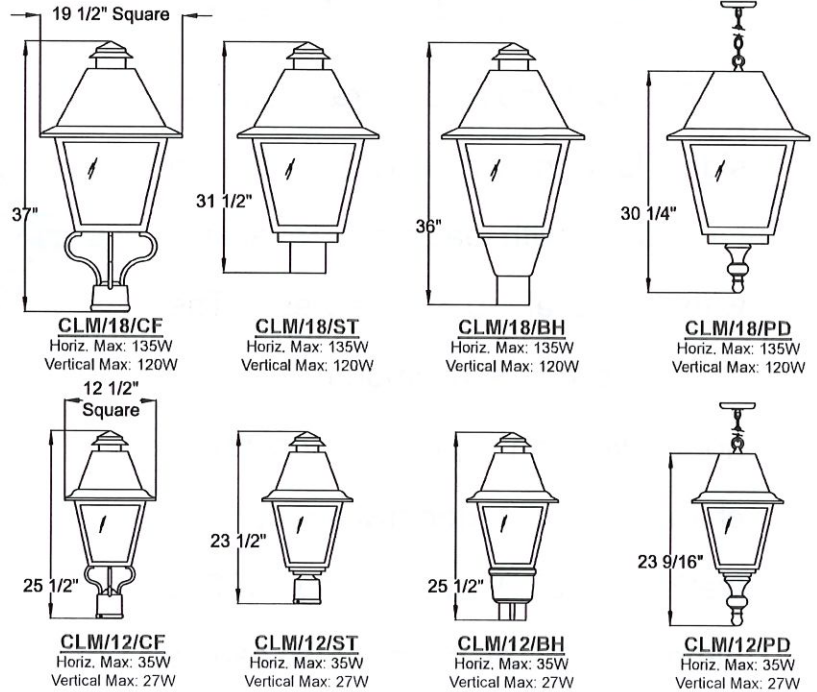
1. Fixture: Matrix #: **CLM** Description: Columbia Fixture

2. Size: Matrix #: **18** Weight: **36 lbs.** EPA: **2.0**  
Matrix #: **12** Weight: **27 lbs.** EPA: **1.0**

3. Mounting: Matrix #: **PD** Description: Pendant  
Matrix #: **PF\*** Description: Post Fitter  
Matrix #: **SF\*** Description: Slip Fitter  
Matrix #: **CF\*** Description: Convex Fork

\*Specify which pole is to be used.  
See ELA website for choices.

4. Optics: Matrix #: **H2** Description: Type 2 - Horizontal  
Matrix #: **H3** Description: Type 3 - Horizontal  
Matrix #: **H4** Description: Type 4 - Horizontal  
Matrix #: **H5** Description: Type 5 - Horizontal  
Horizontal  
Matrix #: **V3** Description: Type 3 - Vertical  
Vertical Matrix #: **V5** Description: Type 5 - Vertical



5. Lamping:	<u>Matrix #:</u>	<u>Description:</u>	<u>Diodes</u>	<u>Lumens*</u>	<u>Wattage*</u>	<u>Efficacy</u>	<u>LED Drive (mA)</u>	<u>Standard Dimming Type**</u>
	<b>35LED</b>	LED Board	24	3360	35	96	292	1-10VDC, Triac, Forward Phase
	<b>69LED</b>	LED Board	56	6624	69	95	575	1-10VDC, Triac, Forward Phase
	<b>101LED</b>	LED Board	100	9696	101	95	842	1-10VDC, Triac, Forward Phase
	<b>135LED</b>	LED Board	100	12960	135	95	1125	1-10VDC, Triac, Forward Phase
Horizontal								
Vertical	<b>27LED</b>	LED Corn Cob	81	2970	27	110	275	Line Voltage On-Board Transformer
	<b>45LED</b>	LED Corn Cob	135	4950	45	110	375	Line Voltage On-Board Transformer
	<b>80LED</b>	LED Corn Cob	234	8800	80	110	667	Line Voltage On-Board Transformer
	<b>120LED</b>	LED Corn Cob	336	13200	120	110	1000	Line Voltage On-Board Transformer

\*Other wattages & lumens available upon request.

\*\*Other dimming types available upon request.

6. Color Temps (k): Matrix #: **AM\*** Description: Amber Color Temp  
Matrix #: **27** Description: 2700k Color Temp  
Matrix #: **30** Description: 3000k Color Temp  
Matrix #: **40** Description: 4000k Color Temp  
Matrix #: **50** Description: 5000k Color Temp  
Note: Other color temperatures & RGB's available upon request.  
\*Amber not available in corn cobs.

7. Voltage: Matrix #: **120** Description: 120VAC  
Matrix #: **208** Description: 208VAC  
Matrix #: **240** Description: 240VAC  
Matrix #: **277** Description: 277VAC  
Matrix #: **347\*** Description: 347VAC  
Matrix #: **480\*** Description: 480VAC  
\*Contact ELA for details.

8. Lens: Matrix #: Description:  
**CG** Clear Glass  
**CA** Clear Acrylic  
**CP** Clear Polycarbonate  
**FG** Frosted Glass  
**FA** Frosted Acrylic  
**FP** Frosted Polycarbonate  
Matrix #: Description:  
**SG** Seedy Glass  
**SA** Seedy Acrylic  
**HCG\*** Dark Skies Clear Glass  
**HFG\*** Dark Skies Frosted Glass

9. Finish: Matrix #: Description:  
**AG** Augustine Green  
**CC** Charcoal  
**DB** Dark Bronze  
**GY** Architectural Grey  
**MG** Malaga Green  
**MN** Black - Midnight  
**PW** Pewter  
**SB** Statuary Bronze  
**VL** Village Green  
**WH** White  
Note: Custom colors available upon request.

10. Options: Matrix #: Description:  
**BBU\*\*** Battery Backup  
**PCB** Photocell Button  
**ST** Solid Top  
**PCR3\*** 3 Pin Photo Control Receptacle  
**PCR5\*** 5 Pin Photo Control Receptacle  
**PCR7\*** 7 Pin Photo Control Receptacle  
**HSS** House Side Shield  
1. BBU test button location shall have visibility for testing on site. Consult factory for placement location.  
2. BBU LED lumen output reduced in BBU mode.  
3. ELA Can integrate client specified wifi /remote control components upon request.

\* See ELA for mounting options.  
\*\* Size 18 and Horizontal LED Option ONLY.

ELA Warranty Info: Environmental Lighting for Architecture, Inc. (ELA) offers a Five (5) Year Warranty on all products exclusively manufactured by ELA. Furthermore, ELA offers a Five (5) Year Warranty on all LED and LED components; and guarantees that no fewer than 90% of the diodes in each fixture will still be operating during this time. Please contact ELA for the details of each warranty.



## Moon Visions R38 22W LED Bullet Series

**Housing (BR40):** 380 Aluminum alloy die cast.

**Downshields:** Required for use as a downlight.

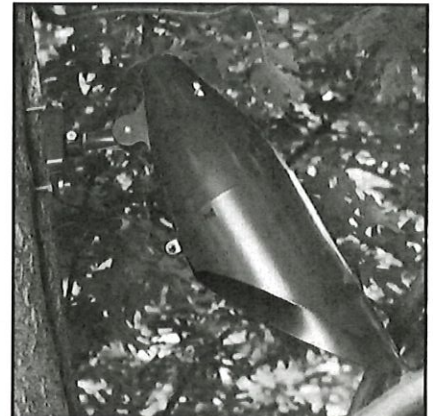
(DSA10): Fabricated steel material, angle-cut 10" in length.

(DST10): Fabricated steel material, straight tube shield 5.75" in length.

**Upshields:** Required for use as an uplight. Die cast aluminum with heat resistant crystal tempered convex glass lens. Sealed with 50 year-life silicon solution and high temperature silicone sponge gaskets. Positive stainless screw mount attachment.

(USR40): Angled upshield 3.9" tall.

(UST40): Straight Tube upshield 5" tall with debris guard.



### Socket:

- **12V Bullet** = Unique 12V GU24 Twist-Lock base allows for maximum pin contact as well as "locked" socket to insure lamp security. GU24 Base is known for high vibration tolerances (a must for fixtures mounted high in trees) and high heat tolerances.
- **120V Bullet** = Leviton 4KV Pulse rated 600V porcelain lampholders with 25% more lamp contact area than Chinese sockets.

**Knuckle:** Forward placement for better balance. Adjustable in 7.5° increments for precise aiming. 1/2" NPSM threaded arm with stainless hardware.

**Finish:** Super polyester Duracoat™ powder coat with 5 year warranty. South Florida exposure rating for 5 years. Powder coated inside and outside with additional DuraLune™ Electro-Coating application underneath. Standard textured finishes are Hartford Green (HGT) and Bronze (BZT). See also "Moon Visions Difference" on page 2.



### Electrical Assembly:

- **12V Lamp** = Low voltage (12V) system requires magnetic or electronic transformer, sold separately. Electronic transformers must be within 25 feet of LED lamp.
- **120V Lamp** = Direct lamp replacement design; therefore, no separate driver needed.



LED MV120V R38 22W 5K FL

**LED Lamp Included:** 18 Low heat-emitting LEDs with no UV light radiation, paired with excellent heat sinks, provides a 50,000 hr. expected lamp life and 3 year warranty. Solid state LED direct lamp replacement technology. LED Lamp is not dimmable. PAR38 light engine contains built-in fan for maximum heat dissipation. Available in 25° (NFL) and 40° (FL) beam spreads in Cool White, and 40° (FL) in Warm White.

### LED Lamp Accessories:

Overall Spread Lens—doubles beam spread of lamp.

Mercury Vapor Lens—corrects color temperature to 5500K.



# Moon Visions R38 22W LED Bullet Series Ordering Guide

Fixture Series	Voltage	Shield	Mount*	Color
BR40	12V	DSA10	TM	HGT
	120V	DST10	TMB	BZT
		USR40	LGS	
		UST40		

BR40	12V	DSA10	TM	BZT
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Example: BR40-12V-DSA10-TM-BZT = 12V R40 Bronze Downlight

LED Lamp Series	Voltage	Size	Wattage	Color and Beam Spread	Spread Lens	5500K Lens
LED MV	12V	R38	22W	3500K 40° FL	OSL	MV
	120V			5000K 25° NFL		
				5000K 40° FL		

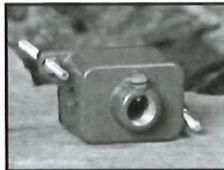
LED MV	12V	R38	22W	5000K 40°	MV
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Example: LED MV12V R38 22W 5000K 40° FL MV = 22W 12V LED PAR38 FL with MV lens

## \*Mounting Accessories—



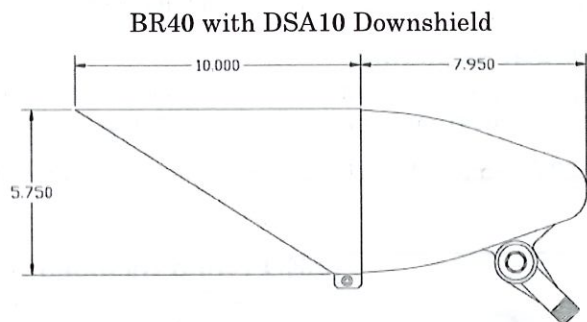
Tree Mount



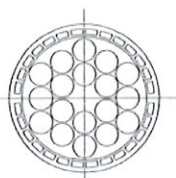
Tree Mount Box



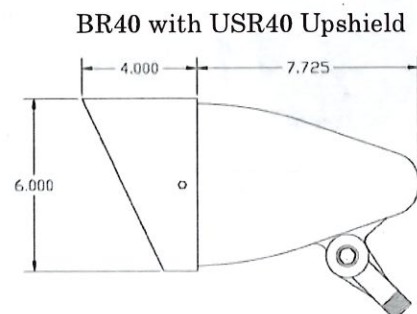
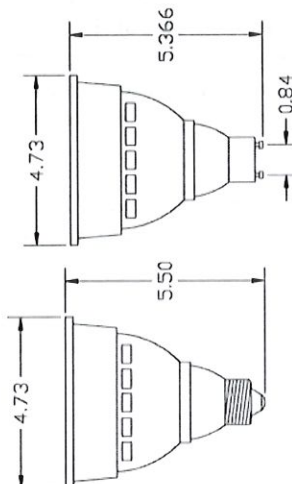
LGS  
(12V or 120V)



GU24 12V  
Lamp



E26 120V  
Lamp



Project Name: \_\_\_\_\_ Fixture Type: \_\_\_\_\_

Catalog Part Number: \_\_\_\_\_