

Malachi Mills

From: Jonathan Hershey <jhershey@cite-design.com>
Sent: Wednesday, July 27, 2016 3:42 PM
To: Andrew Bleckley; Malachi Mills
Subject: Re: Historic Fulton Memorial Park
Attachments: hanover_charleston.pdf; illuminated_bollard.pdf

Malachi,

See responses below in red for Fulton: Let us know if you have any other questions.

**** Please clarify the species of tree used within the Goddin St plaza area: Hope Lacebark Elm (*Ulmus parvifolia 'Hope'*)**

****length of the paths – I've made rough estimates based on GIS, so please check and clarify Path running along east side (257 LF) : Path running along west side (317 LF) (Total path loop including the east, west, and plaza area = approximately 740 LF)**

****slope of the paths – the resolution of the contour line labels is not high enough for me to be able to read and clarify how steep the paths are, except to say they are steeper than Goddin St. The slope on the paths averages around 3% slope with max slope of path being around 4.25% slope.**

*****There are no images for the streetlight and general lighting cutsheet – most concerned about the streetlight. What does it look like? How tall is it? Details! Streetlight to match the city streetlight standard "Charleston" (or equivalent) See attached cutsheet. Overall height to be approximately 13' . See attached PDF of proposed bollard light specification (or equivalent)**

****size of central lawn area – I'm estimating based on parcel size Approximately 17,777 square feet**

On Wed, Jul 27, 2016 at 6:34 AM, Andrew Bleckley <ableckley@cite-design.com> wrote:

Hey Jon,

Let's look at this today. Just need to answer some questions -- see below.

Andrew Bleckley

Cite Design

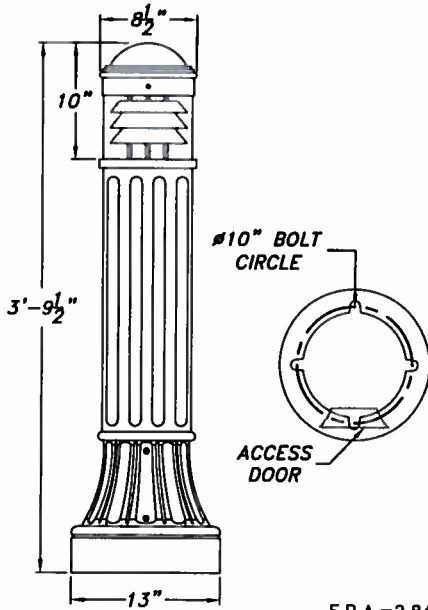
From: [Malachi Mills <mmills@rkk.com>](mailto:mmills@rkk.com)
Date: July 26, 2016 at 5:29:45 PM EDT
To: [Andrew Bleckley <ableckley@cite-design.com>](mailto:ableckley@cite-design.com), [Doug Cole <dcole@cite-design.com>](mailto:dcole@cite-design.com)
Subject: Fwd: Historic Fulton Memorial Park

Guys,

A couple questions related to Fulton for UDC mtg.

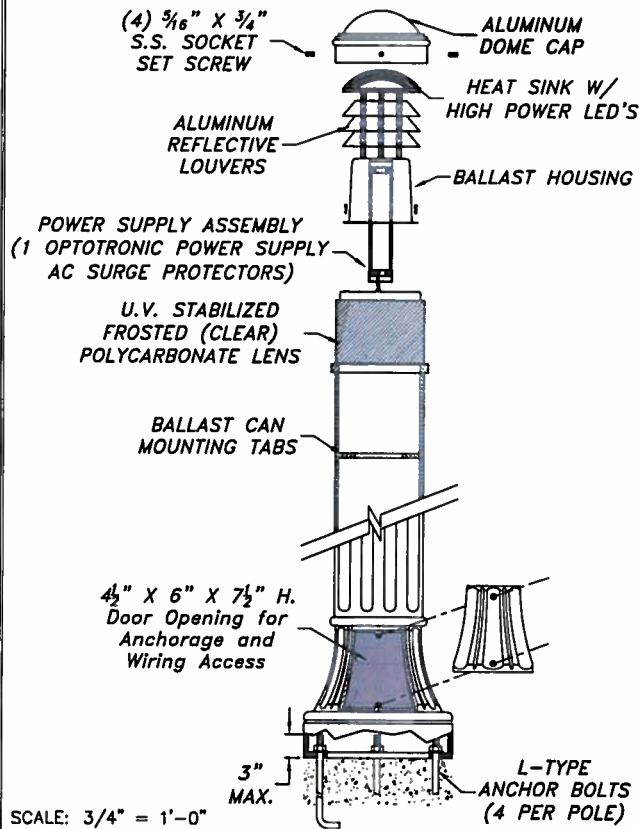
Please see below and get w me.

NMOD-13 SERIES ILLUMINATED LED BOLLARD



SCALE: 3/4" = 1'-0"

E.P.A.=2.84 SQ.FT.



SCALE: 3/4" = 1'-0"

Catalog Name:

NMOD-13-BOLLARD-ILLUM-LED

Revision # 0

Date 03.04.13

Page: 1 of 4

Revision History: N/A

Niland Approval: Luis M. Gomez

Customer Approval:

CSI POLE SPECIFICATION

I. BASE

Bollard shall be cast aluminum. Aluminum shall be certified as pure 356 copper free of any porosity, foreign materials or cosmetic fillers. Base casting shall be of uniform wall thickness with no warping or mold shifting. Minimum wall thickness shall be .250". The anchor bolt locations in the base shall be cast in place as part of the base casting, for maximum strength. Cast aluminum access cover shall be secured with two to four tamper proof stainless steel screws.

II. FINISH

Fixture finish shall consist of degreasing, phosphate acid etching with 140° de-ionizing water, rinsed, oven dryoff and top coated with a thermoset TGIC super polyester powder coat finish designed not to chalk or fade for many years. All Niland Company powders must pass a minimum 3000-hour salt spray test for corrosion resistance.

III. ANCHORAGE DETAIL

Standards bollard installation shall use 1/2" x 18" L-type anchor bolts.

FINISHES

Five Year Powder Coating Warranty

Niland Company factory-applied powder coatings are warranted against peeling, excessive fading and cracking under normal climatic exposure for a period of five years from date of shipment. Damage to finish coating caused by abuse or mishandling during installation is not covered by warranty. This warranty is limited to the repair or replacement of the material involved and does not include reimbursement of consequential expenses such as installation or removal of equipment or transportation costs.

Liquid Finish

Optional liquid finish is first prime coated then finished with a two part liquid epoxy coat.

I. STANDARD FINISH

Satin Iron achieved by rotary sanding, blasting and phosphate conversion coating.

II. THERMOSET POWDER PAINT FINISH

Pretreatment shall consist of degreasing phosphate acid-etching with 140° and de-ionizing water, rinsed and oven dried.

FINISH COAT

Thermoset TGIC super polyester powder coat finish electrostatically applied, oven cured and bonded at approximately 420° F to a minimum dry film thickness of 1.6 mils. All Niland powders must pass a minimum 3000-hour salt spray test for corrosion resistance. The National Association of Architectural Metal Manufacturers, Metal Finishes Manual rates the outdoor life of these powders at 15+ plus years.

HOUSING

The bollard shall be core cast aluminum. Aluminum shall be certified as pure #356 alloy, free of any porosity, foreign materials or cosmetic fillers. Casting shall be uniform wall thickness with no warping or molding. Minimum wall thickness shall be 3/16". Electrical components are mounted to the ballast canister. The ballast canister shall be mounted securely within the bollard with stainless steel screws.

III. LED POWER SUPPLY

All electrical components and materials shall be UL-recognized and wired by certified UL technicians. The electrical assembly is prewired with quick disconnects for easy installation. Electrical components rated for 1 amp but only draws 300 millamps which adds to the units longevity. AC surge protector and Optronix power supplies are prewired. LED unit reduces energy consumption up to 70%. LED driver shall be rated a full load with less than 20% THD and greater than 0.9 power factor.

WARRANTY

Niland Company warrants to repair or replace, at our option, any equipment that fails due to defects in material or workmanship within one year from date of shipment. This warranty does not include failures as a result of improper installation, mishandling or misapplication. This guarantee is limited to repair or replacement only and does not include reimbursement for expense of installation, removal of equipment, transportation or any other expenses that may be incurred. Authorization must be obtained from Niland Company in El Paso, Texas before any material is returned.

KELVIN	POWER LEVEL	VOLTAGE	LIGHT DISTRIBUTION
5000 <input type="checkbox"/>	23 WATTS (50w EQ)	120	TYPE V
5700 <input type="checkbox"/>			
COLOR (POWDER COATED)			
(TB) TEXTURED BLACK <input type="checkbox"/>	(GG) GLOSS GREEN <input type="checkbox"/>		
(TG) TEXTURED FOREST GREEN <input type="checkbox"/>	(GR) GLOSS BRONZE <input type="checkbox"/>		
(TR) TEXTURED BRONZE <input type="checkbox"/>	(VG) HAND BRUSHED VERDI GRIS <input type="checkbox"/>		
(GB) GLOSS BLACK <input type="checkbox"/>	CUSTOM _____ <input type="checkbox"/>		

NILAND/LED USA
Leading The Way For Solid State Street Lighting

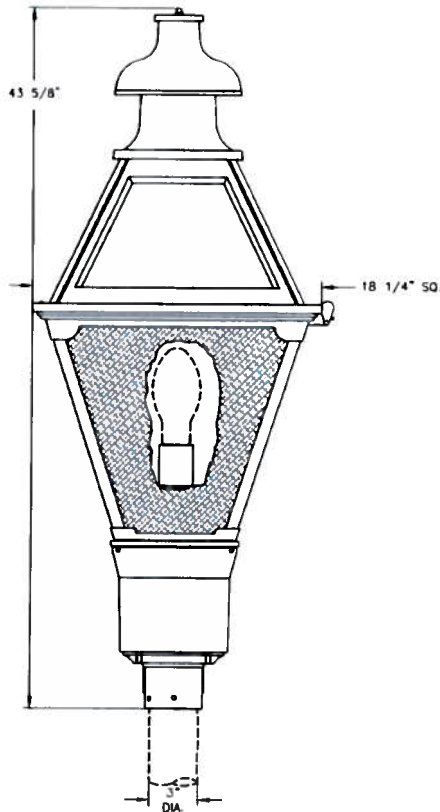
OSRAM SYLVANIA

QUICK 60+ Warranty
On Parts and Labor

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320 N. Clark El Paso, Tx 79905 • PH: 800-648-9013 • FAX: 888-778-3063 • WEB PAGE: HTTP://www.nilandco.com

Charleston (1237) Specification Sheet

Project Name:	Location:	MFG: Philips Lighting
Fixture Type:	Catalog No.:	Qty:



Ordering Guide

Example: 1237 ABS A D H E B B

Product Code	1237	Charleston
Finish	ABS ACP ARD ASI BLK BRN BRZ FGN GRA IRN RBZ SRT VBZ VCP VGN VTC WBZ WHT	Antique Brass Antique Copper Antique Red Antique Silver Black Brown Bronze Forest Green Granite Ironstone Rustic Bronze Shadow Rust Verde Bronze Verde Copper Verde Vintage Copper Weathered Bronze White
Panel/Globe	A B C D E M P Q	Clear Acrylic Opal Acrylic Clear Seeded Acrylic Bronze Tone Acrylic Clear Textured Acrylic Opal Polycarbonate Clear Polycarbonate Prismatic Polycarbonate
Socket	D G L R	Medium Mogul LED Induction
Wattage/Source	H S I R LED	Metal Halide High Pressure Sodium Incandescent Induction LED
Voltage	E F G H	120V 208V 240V 277V
Distribution	B C D E M W N	6" Type V Distrib. 6" Type III Distrib. 8" Type V Distrib. 8" Type II Distrib. Type III - Cutoff Optic Frosted Chimney - No Internal Optics None
Photoeye	B	Button Eye

Charleston (1237) Specification Sheet

Project Name:	Location:	MFG: Philips Lighting
Fixture Type:	Catalog No.:	Qty:

	N	None
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Specifications

CONSTRUCTION:

Three (3) piece cast aluminum vent cap assembly. Cast aluminum solid hinged roof for easy relamping. Cast aluminum top & bottom cage frame. 4 Extruded aluminum cage legs welded to top and bottom cage frames. Cast aluminum post fitter slips over 3" O.D. post or tenon.

FINISH:

Resilient TGIC thermoset polyester powdercoat paint is electrostatically applied to every fixture. Specially formulated for Philips Outdoor Lighting, it provides UV protection, and the highest temperature rating in the industry. In addition to the standard color choices shown, a spectrum of custom colors is available.

PANELS/LENS/GLOBE:

See lenses for available options.

LAMPING:

Lamp is not included.

ELECTRICAL ASSEMBLY:

Lantern will be prewired and tested. All electrical components are ETL listed.

BALLAST:

Ballast and component parts mounted inside 3-piece cast aluminum moisture proof ballast compartment with hinged access door and slide-out ballast tray. (Customer must specify wattage and voltage.)

MOUNTING:

Fixture mounts to 3" dia. post or tenon.

WARRANTY:

Three-year limited warranty.

CERTIFICATIONS:

ETL Listed to U.S. safety standards for wet locations. cETL Listed to Canadian safety standards for wet locations.

Height:

43 5/8"

Width:

18 1/4"

EPA:

3.26

Max. Weight:

46 lbs.

