



U.S. Department
of Transportation
**Federal Highway
Administration**

Georgia Division

September 4, 2014

61 Forsyth Street S.W.
Suite 17T100
Atlanta, Georgia 30303
Phone 404-562-3630
Fax 404-562-3703
Georgia.fhwa@fhwa.dot.gov

Keith Golden, P.E. Commissioner
Georgia Department of Transportation
One Georgia Center
600 West Peachtree Street, NW
Atlanta, GA 30308

In Reply Refer To:
HPE-GA

Dear Commissioner Golden:

We have reviewed the request to use proprietary items along SR8 from CS1708/Williams Street to CS3461/Luckie Street as part of Transportation Enhance project from the Georgia Institute of Technology, Fulton County, PI # 0010641.

FHWA accepts the Certification provided by the Georgia Institute of Technology, which states the following items are essential for the synchronization, with existing street improvement projects and aesthetic synchronization, to match the visual appearance of existing facilities previously installed in the project vicinity:

Lighting Poles and Luminaries

Manufacturer: Holophane

Base Model: Wadsworth Aluminum Base, L5j=TMP-40010, 17" diameter, 19.5" high

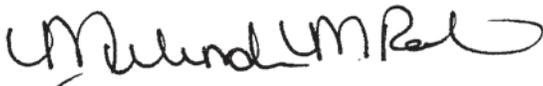
Pole Model: Wadsworth Aluminum Pole, 10' high with 17" diameter base, 5.25" diameter fluted shaft and dark bronze finish: Model #WDA10L5J17PO7ABGBZ

Luminaire Fixture Model: Utility Series Arlington full cut-off, LED, Asymmetrical Flat Glass, dark bronze finish, Spike Final, Model #AUL-070-4K-AS-Z-L5-S

Therefore, FHWA finds that it is acceptable to use the above listed items for the purpose of synchronization with existing facilities. This approval is only applicable for use on PI # 0010641, Fulton County. The Georgia Institute of Technology is responsible for ensuring that these items comply with the Buy America Act.

If you have any questions, please contact Julio A. Nuñez at (404) 562-3638.

Sincerely,


Rodney N. Barry, P.E.
Division Administrator

Cc: Brent Story, State Design Policy Engineer

Keith Golden, P.E., Commissioner



GEORGIA DEPARTMENT OF TRANSPORTATION

One Georgia Center, 600 West Peachtree Street, NW
Atlanta, Georgia 30308
Telephone: (404) 631-1000

August 27, 2014

Mr. Rodney Barry – Division Administration
Federal Highway Administration
61 Forsyth Street, Suite 17T100
Atlanta, GA 30277
Attention: Melinda Roberson

Subject: Proprietary Items Usage
PI # 0010641
SR8 from CS1708/Williams St to CS3461/Luckie St
Georgia Institute of Technology, Fulton County

Mr. Barry:

Please review the attached request from the Georgia Institute of Technology for the use of proprietary lighting items along SR8 from CS1708/Williams Street to CS3461/Luckie Street. The requested proprietary items would be installed as part of Transportation Enhance project P.I. Number 0010641.

The Georgia Institute of Technology has previously installed identical items in the project vicinity, and would use identical items for future projects. In order to ensure aesthetic continuity within its campus, the Georgia Institute of Technology respectfully requests approval to utilize the requested items.

The Department considers the use of the proposed proprietary lighting items to be in compliance with 23 CFR 635.411 for aesthetic synchronization.

Should you have any questions or concerns, please contact Dave Peters at 404-631-1738 or Jeanne Kerney at 404-631-1982.

Sincerely,

A handwritten signature in blue ink, appearing to read "BAAK".

Brent Story, P.E.
State Design Policy Engineer

BAS:drp



Capital Planning and Space Management
Lyman Hall, Suite 125
221 Uncle Heinie Way
Atlanta, Georgia 30332-0690
404-894-3563 Fax 404-894-3645

June 23, 2014

Ms. Jeanne Kerney
TE Project Manager
Moreland Altobelli Associates, Inc.
2211 Beaver Run Road, Suite 190
Norcross, GA 30071

RE: Use of Proprietary Items for
SR 8 from CS 1708/Williams Street to CS 3461/Luckie Street, Fulton County
PI: 0010641

Dear Ms. Kerney,

As per Federal Highway Administration regulation in 23 CFR 635.411(a) 2, proprietary materials, specifications, and processes can be used if their use is essential for synchronization with existing highway facilities. For the Georgia Institute of Technology's Transportation Enhancement Project, PI# 0010641, the following proprietary items are proposed for use:

Light Poles and Luminaires

Manufacturer: Holophane

Base Model: Wadsworth Aluminum Base, L5J = TMP-40010, 17" diameter, 19.25" high:

Pole Model: Wadsworth Aluminum pole, 10' high with 17" diameter base, 5.25" diameter fluted straight shaft and dark bronze finish:
Model # WD A 10 L5J 17 PO7 ABG BZ

Luminaire Fixture Model: Utility Series Arlington full cut-off, LED, Asymmetrical Flat Glass, Dark Bronze finish, Spike Final. Model # AUL-070-4K-AS-Z-L5-S

Quantity in Project: 13

Total Estimated Cost for Light Poles and Luminaires: \$75,400

The total estimated costs for materials listed above are based on recent construction bids on similar projects. These costs include materials, labor, tax, and freight.

The estimated total construction cost for the project is \$363,411. The cost of \$75,400 for proprietary items represents 20.7% of the estimated construction costs.

These Design Guidelines were approved and in place prior to the start of the Transportation Enhancement Project. On the construction plans, we have exhibited the product information and contact information for each product's manufacturer. The specific products designated by the Georgia Institute of Technology's Design Guidelines are the ones that are being used in the construction drawings. These products have been installed in previous projects at the Georgia Institute of Technology. These products will also be used in all future streetscape enhancement projects at the Georgia Institute of Technology. We have also attached photographs of existing areas with the products in use.

I Howard Wertheimer, Director, Capital Planning & Space Management Georgia Institute of Technology do hereby certify that in accordance with the requirements of 23 CFR 635.411(a)(2), that this patented or proprietary item is essential for synchronization with existing highway facilities. The use of these products is essential for aesthetic synchronization to match the visual appearance of existing facilities previously installed and for compatibility with the Georgia Institute of Technology Design Guidelines.

The Georgia Institute of Technology respectfully requests that the use of these proprietary products be approved.

Sincerely,

A handwritten signature in blue ink, appearing to read "H. S. Wertheimer". The signature is fluid and cursive, with a prominent flourish at the end.

Howard S. Wertheimer, FAIA
Director, Capital Planning & Space Management

Attachments to include:

- A. Photo of existing light pole.
- B. Manufacturer details for each proprietary item.

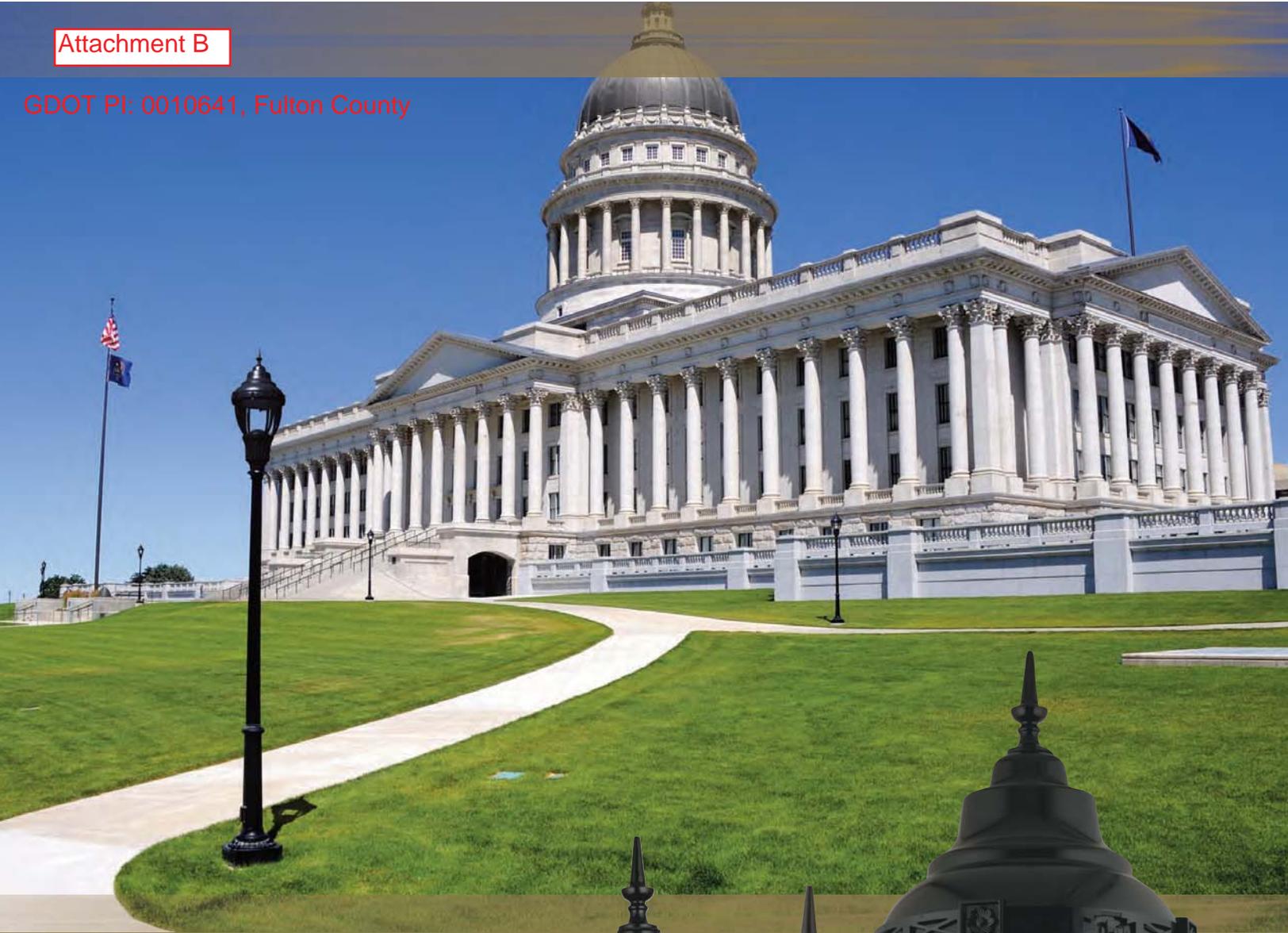
Existing

LIGHT STANDARD INSTALLED ON
GEORGIA TECH CAMPUS

Attachment A

GDOT PI # 0010641
FULTON COUNTY





FULL CUTOFF

UTILITY SERIES



experience
lighting's
best.



FULL CUTOFF | UTILITY SERIES

THE VINTAGE STYLING OF THIS SERIES OF LUMINAIRES HAS ADORNED URBAN STREETS AND PARKS SINCE THE EARLY 20TH CENTURY.

NOW WITH A NEW “NIGHTTIME FRIENDLY” OPTICAL DESIGN, THE PRODUCT HAS BEEN ENHANCED TO MEET THE IESNA DEFINITION FOR FULL CUTOFF CLASSIFICATION AND REDUCED IMPACT ON URBAN SKY GLOW.

The use of LED's within traditional street and area lighting applications is becoming a wide spread consideration when lighting design and selection is being performed. In order to take advantage of technology performance advancements, it is essential that the lighting system choice come from a reputable supplier where comprehensive engineering and testing has been conducted. Holophane has undergone extensive research and development to ensure reliability of our luminaires utilizing LED technology so as to provide exceptional value to our customers.



GDOT PI: 0010641, Fulton County



FEATURES AND BENEFITS

- Traditional Daytime Form
- Nighttime Friendly Optics with Strict Light Control
- Performance Optics for Both Asymmetric and Symmetric Distributions
- Tool-less Maintenance
- Robust Die-cast Construction
- UL/CUL Listed
- IP Rated Optics

TYPICAL APPLICATIONS

- City Streets
- Parks
- Residential Areas
- Campuses
- Walkways
- Parking Lots



EASE OF MAINTENANCE – LED

Ease of maintenance is a feature that distinguishes a premium product from an inferior substitution. The Utility Series has a unique housing design for easy installation and maintenance.

Optical access is simple and is accomplished by un-latching the top canopy of the luminaire without the use of tools.

The electronic component module is located in the die-cast aluminum housing, and swings out with the access door when the unit is opened for service. The module is completely “tool-less” and features quick-disconnect plugs on all wiring.



Hinged Door Housing provides for tool-less access and easy maintenance. Product shipped with a pre-wired internal terminal block for easy installation.



Cover Latch and Hinge for easy access to optical chamber

LED OPTICAL DESIGN

Optimized LED Board for superior uniformity and control.

Tool-free Top Hinge makes access easy

LED Board with 63 LEDs provides high performing optics

IP Rated Optical Chamber is totally sealed and stays clean

One Piece Silicon Gasket with high temperature and long life properties



Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

THERMAL MANAGEMENT



LED light source output and system life are optimized with proper thermal management. The photo to the left shows the detail of the dedicated heat sink mounted into the luminaire, which is engineered to effectively pull the heat away from the critical LED components.



The photo above shows an example of the necessary thermal testing needed to determine optimized LED module operating temperatures, which are critical to providing reliability, longer life, and high output.

HID OPTICAL DESIGN

Optical Segmented Reflectors for superior uniformity and control.



Tool-free Top Hinge makes re-lamping easy

Multiple HID Lamp Options up to 175 watt pulse MH and 150 watt HPS with mogul base

IP Rated Optical Chamber is totally sealed and stays clean

Highly Reflective, Segmented Optical Design for uniformity and full cutoff control

One Piece Silicon Gasket with high temperature and long life properties



Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

TOOL-LESS MAINTENANCE – HID



Hinged Door Ballast Housing provides for tool-less access and easy maintenance. Product shipped with a pre-wired internal terminal block for easy installation.



Ease of maintenance is a feature that distinguishes a premium product from an inferior substitution. The Utility Series has a unique housing design for easy installation and maintenance.

Re-lamping access is simple and is accomplished by un-latching the top canopy of the luminaire without the use of tools.

The electrical module is located in the die-cast aluminum housing, and swings out with the access door when the unit is opened for service. The electrical module is completely "tool-less" and features quick-disconnect plugs on all wiring.

OPTIONS, ACCESSORIES AND SPECIAL FEATURES



Decorative Top Cover defines luminaire shape and houses the internal segmented aluminum reflector



Cover Latch and Hinge for easy access to lamp



Photocell Window is hidden to maintain architectural form



Die-cast Ballast Housing holds and protects electrical components



A Variety of Pole Materials and Styles are available to complement luminaire and site architecture



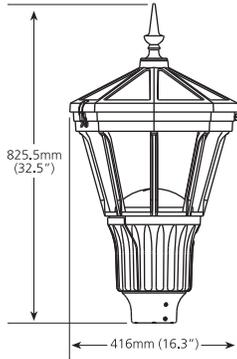
Cast Aluminum Finial is designed to define luminaire shape. Available in ball or spike finial



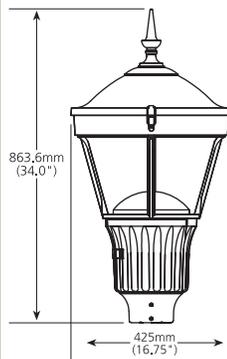
Slipfitter mounts to 3"D x 3"H pole tenon, and is secured in place through the use of six hex socket screws

ORDERING INFORMATION – LED

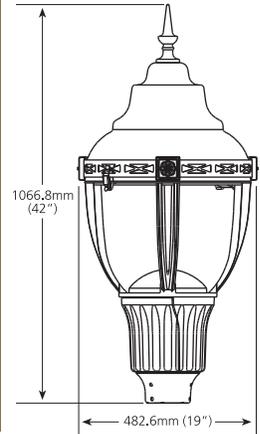
DIMENSIONAL DETAILS



AUL | UTILITY ARLINGTON
Maximum Weight: 18.43 kg (40 lbs)
Maximum E.P.A.: 1.38 sq. ft.



PUL | UTILITY POSTOP
Maximum Weight: 17.69 kg (39 lbs)
Maximum E.P.A.: 1.24 sq. ft.



WFL | UTILITY WASHINGTON POSTLITE
Maximum Weight: 25.6 kg (57 lbs)
Maximum E.P.A.: 1.72 sq. ft.

PERFORMANCE SPECIFICATIONS

General

The luminaire is designed for ease of maintenance with the plug-in electrical module common to each of the luminaires in Holophane's Utility Series. A precision optical system maximizes post spacings while maintaining uniform illumination.

Optical System

The optical system is composed of a board with a series of 63 high output LEDs. A gasket between the cover and ring along with a flat glass plate and gasket beneath the reflector create a sealed optical compartment that meets an IP rating. Optics designed to provide an IESNA Asymmetric or Symmetric full cutoff distribution are available.

Housing

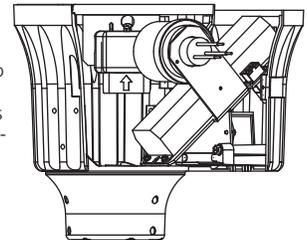
The luminaire housing, cast of aluminum, anchors the optical system and provides an enclosure for the plug in electrical module. The electrical enclosure conforms to an IP55 rating. For use with units with an E.E.I.-N.E.M.A. twist-off photocell receptacle, the housing contains a glass "window" to allow light to reach the cell. The nickel plated lamp grip socket and the three station incoming line terminal block are pre-wired to a five conductor receptacle for ease in connecting the electrical module. A slipfitter will accept a 3" high by 2 1/8" to 3 1/8" O.D. pole tenon.

Housing Door

Cast of aluminum, the housing door is hinged and latched to the housing. The door forms the mount for the electrical module, and allows easy access during maintenance.

Electrical Module

The driver is mounted on a steel plate that is removable without the use of tools. A matching five conductor plug connects to the receptacle in the luminaire housing to complete the wiring. Where a starting aid is required, it is provided with a separate plug-in connector and can be replaced without the use of tools. For photoelectric operation, the electrical module is provided with an E.E.I.-N.E.M.A. twist-off photocell receptacle.



Top Cover

The decorative top cover, cast of aluminum, is attached to the top ring of the luminaire housing by two stainless steel hinge pins. The cover is latched by an overcenter, positive action, stainless steel latch which allows tool-less entry to the lamp chamber for re-lamping.

The Driver

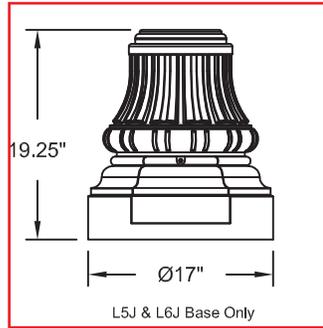
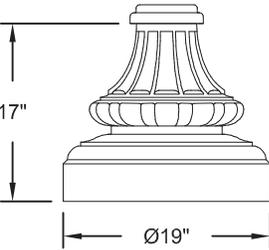
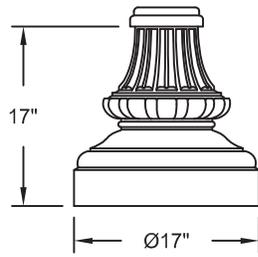
(Refer to Driver Data Sheet for specific operating characteristics) 50 or 60 Hz voltage sensing 120 – 277V >90% efficient electronic. Potted for increased thermal management. Mounted to removable tray and easily accessible through tool-less, swivel door.

Finish

The luminaire is finished with polyester powder paint applied after a seven stage pretreatment process to ensure maximum durability.

UL Listing

The luminaire is UL listed as suitable for wet locations at a maximum of 40°C ambient temperature. IP rated.



Shaft Style



4.5" L4E



4" Dia. Smooth
S4C & S4J



3"-4" Dia. Tapered
T4C



5.25" L5J



5" Dia. Smooth
S5J



3"-5" Dia. Tapered
T5C



5.75" L6J



5" Dia. Fluted
F5J



4" Dia. Fluted
F4C & F4J



Fluted Tapered
FTJ

TM

WADSWORTH

Aluminum Pole

Architectural
Outdoor



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ORDERING INFORMATION:

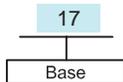


WD = Wadsworth

A = Aluminum

10		Cast Pole
08 = 8'	15 = 15'	08 = 8'-0"
09 = 9'	16 = 16'	10 = 10'-0"
10 = 10'	17 = 17'	12 = 12'-0"
11 = 11'	18 = 18'	13 = 13'
12 = 12'	19 = 19'	14 = 13'-7"
13 = 13'	20 = 20'	
14 = 14'	21 = 21'	
	22 = 22'	

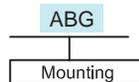
- FTJ = Fluted Tapered (Cast), .25
- F4C = 4" DIA. Fluted, .125 Wall
- F4J = 4" DIA. Fluted, .25 Wall
- F5J = 5" DIA. Fluted, .25 Wall
- L4E = SiteLink 4.5" Fluted, .156 Wall
- L5J = SiteLink 5.25" Fluted, .25 Wall
- L6J = SiteLink 5.75" Fluted, .25 Wall
- S4C = 4" DIA. Smooth, .125 Wall
- S4J = 4" DIA. Smooth, .25 Wall
- S5J = 5" DIA. Smooth, .25 Wall
- T4C = 3" to 4" DIA. Tapered, .125 Wall
- T5C = 3" to 5" DIA. Tapered, .125 Wall



- 17 = 17" Round (TMP-85)
- (L4E = TMP-40009)
- (L5J & L6J = TMP-40010)
- 19 = 19" Round (TMP-98)

- P01 = POLE CAP
- P05 = 3" O.D. X 4" LG.
- P07 = 3" O.D. X 3" LG.
- P08 = 3" O.D. X 5" LG.
- P09 = 3" O.D. X 6" LG.
- P10 = 3" O.D. X 9" LG.
- P11 = 4.38 O.D. x 12" LG. (3" O.D. = ACTUAL SIZE IS 2.88" O.D.)

- P12 = 3" O.D. X 12" LG.
- P13 = 3" O.D. X 8" LG.
- P14 = 3" O.D. X 14" LG.
- P15 = 3.5" O.D. X 8" LG.
- P16 = 4.5" O.D. X 10" LG.
- PT1 = VG Plate



- ABG = Anchor Bolts Galvanized Steel
- LAB = Less Anchor Bolts
- DBB = Direct Bural Base Galvanized Steel

- BK = Black
- BD = Dark Blue
- BZ = Bronze
- GH = Graphite
- GN = Green
- GR = Gray
- PP = Prime Painted
- SL = Silver
- WH = White

SPECIFICATIONS

DESCRIPTION

The lighting post shall be all aluminum, one-piece construction, with a classic tapered and fluted base design.

MATERIALS

The base and fluted tapered cast shaft shall be heavy wall, cast aluminum produced from certified ASTM 356.1 ingot per ASTM B-179-95a or ASTM B26-95. The straight shafts shall be extruded from aluminum, ASTM 6061 alloy, heat treated to a T6 temper. The tapered shaft shall be extruded from aluminum, ASTM 6063 alloy, spun to a tapered shape, then heat treated to a T6 temper. All hardware shall be tamper resistant stainless steel. Anchor bolts to be completely hot dip galvanized.

CONSTRUCTION

The shaft shall be double welded to the base casting and shipped as one piece for maximum structural integrity. The shaft shall be welded inside the base casting at the top of the access door, and externally where the shaft exits the base. All welding shall be per ANSI/AWS

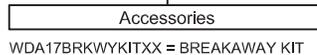
DIMENSIONS

The post shall be X'- XX" in height with a 17" or 19" diameter base. The shaft diameter shall be XX". At the top of the post, an integral tenon with a transitional donut shall be provided for luminaire mounting.

INSTALLATION

The post shall be provided with four, hot dip galvanized L-type anchor bolts. A door shall be provided in the base for anchorage and wiring access. A grounding screw shall be provided inside the base opposite the door.

2 - Replace "XXX" with height from grade (inches), can be up to 3 digits. Must use whole numbers. Leading zeros are not used. Replace Y with orientation from hand hole (A=0, B=90, C=180, D=270). Add multiple provisions as necessary to cover each location. Must validate EPA restrictions for banners.



- EXXXY² = Provision for eye bolt.
- LXXX² = Large provision.
- RXXX² = Receptacle provision.
- SXXX² = Small provision.
- FGB = GFI receptacle in base

THIS DRAWING, WHEN APPROVED, SHALL BECOME THE COMPLETE SPECIFICATION FOR THE MATERIAL TO BE FURNISHED BY HOLOPHANE ON THE ORDER NOTED ABOVE. A UNIT OF SIMILAR DESIGN MAY BE SUBMITTED FOR CONSIDERATION. THE FINAL DRAWING SHALL BE THE HOLOPHANE DRAWING. HOLOPHANE WILL BE SUPPLIED WITH EACH ANCHOR BOLT ORDER TO MATCH THE POLE PROVIDED. THIS PRINT IS THE PROPERTY OF HOLOPHANE AND IS LOANED SUBJECT TO RETURN UPON DEMAND AND UPON EXPRESS WRITTEN NOTICE TO HOLOPHANE. NO PARTS SHALL BE REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF HOLOPHANE. CONNECTION WITH MATERIAL FURNISHED BY HOLOPHANE.

ORDER #:

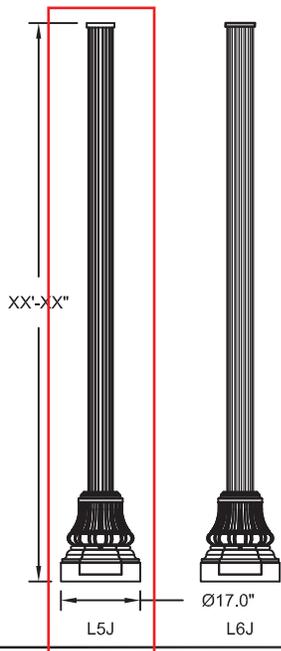
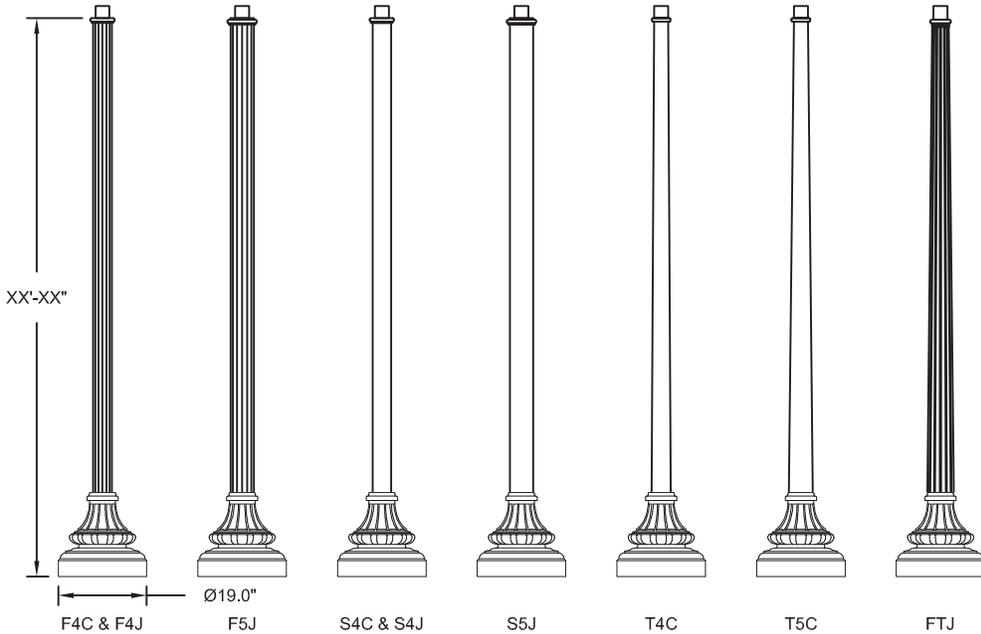
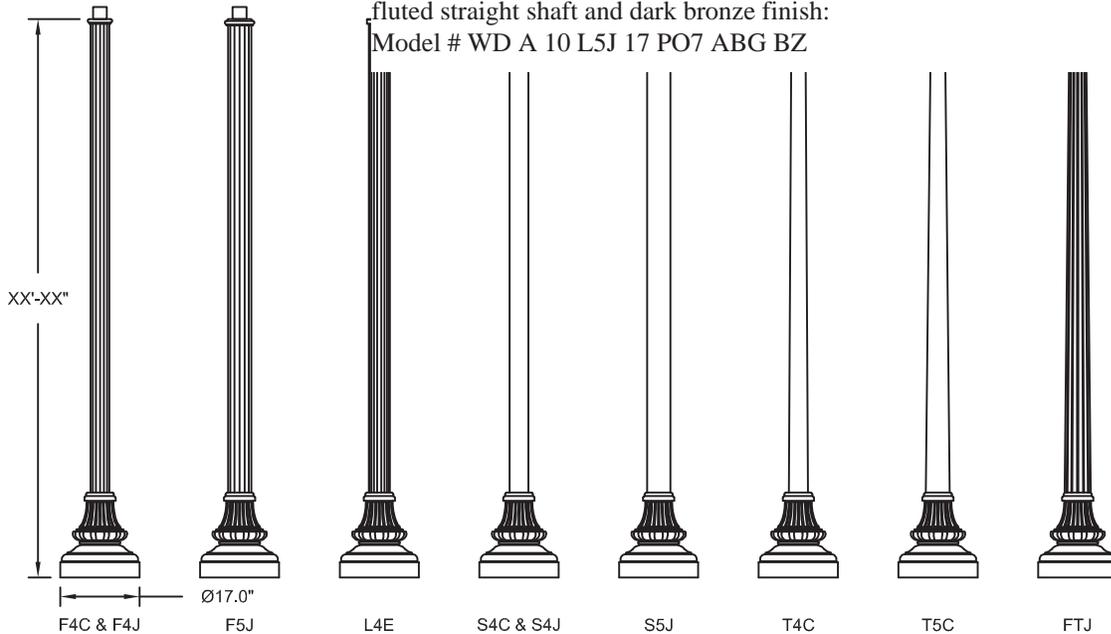
TYPE:

DRAWN: KRW

DATE: 10/3/13

DWG #: POL_WDA

Pole Model: Wadsworth Aluminum pole, 10' high with 17" diameter base, 5.25" diameter fluted straight shaft and dark bronze finish:
 Model # WD A 10 L5J 17 PO7 ABG BZ



WADSWORTHTM
 Aluminum Pole

Architectural
 Outdoor

HOLOPHANE[®]
 LEADER IN LIGHTING SOLUTIONS
 An Acuity Brands Company
 © 2010 Acuity Brands Lighting, Inc., All Rights Reserved

THIS DRAWING, WHEN APPROVED, SHALL BECOME THE COMPLETE SPECIFICATION FOR THE MATERIAL TO BE FURNISHED BY HOLOPHANE ON THE ORDER NOTED ABOVE. A UNIT OF SIMILAR DESIGN MAY BE SUBSTITUTED FOR THE UNIT ORDERED WITHOUT NOTICE. THE VERTICAL POLE, ORDERED AS AN ANCHOR BOLT, THE PRINT WILL BE SUPPLIED WITH EACH ANCHOR BOLT ORDER TO MATCH THE POLE PROVIDED. THIS PRINT IS THE PROPERTY OF HOLOPHANE AND IS LOANED SUBJECT TO RETURN UPON DEMAND AND UPON EXPRESS WRITTEN NOTICE. THIS PRINT IS NOT TO BE REPRODUCED IN ANY WAY DETRIMENTAL TO OUR INTERESTS, AND ONLY IN CONNECTION WITH MATERIAL FURNISHED BY HOLOPHANE.

ORDER #:	
TYPE:	3 of 3
DRAWN:	KRW
DATE:	10/3/13
DWG #:	POL_WDA

GDOT PI: 0010641, Fulton County

Attachment B
Luminaire Fixture Model

PREFERRED SELECTIONS:

Most Frequently Ordered Catalog Numbers

AUL 1 LUMINAIRE AUL PUL WFL	070 2 WATTAGE 070	4K 3 COLOR TEMP. 6K	AS 4 VOLTAGE AS	Z 5 COLOR B N Z	L5 6 OPTICS L3 L5	S 7 FINIAL S	H 8 OPTIONS H P27
--	--	--	--	--	---	-------------------------------------	--

CATALOG NUMBERS FOR ENTIRE PRODUCT OFFERING

(Pricing and lead times may be affected)



STEP 1: LUMINAIRE

FULL CUTOFF UTILITY SERIES

AUL Arlington LED
PUL Postop LED
WFL Washington PostLite® LED

STEP 2: SOURCE AND WATTAGE

070LED 70W (350mA) standard driver

STEP 3: COLOR TEMPERATURE

4K 4000K
5K 5000K
6K 6000K

STEP 4: VOLTAGE

AS Auto-sensing

STEP 5: COLOR

B Black
Z Bronze
N Green
W White
A As specified

STEP 6: OPTICS

Asymmetric
L3 Full cutoff, LED optics

Symmetric
L5 Full cutoff, LED optics

STEP 7: FINIAL

B Ball finial
S Spike finial

STEP 8: OPTIONS

Factory Installed.

H NEMA twist-off photocontrol receptacle. Photocell not included
P27¹ 120-270 volt, DTL Twist-off photocontrol
PSC² Shorting cap

Prewired Leads

L03 3 foot
L1H 1.5 foot
L10 10 foot
L20 20 foot
L25 25 foot
L30 30 foot

¹ Shorting cap not available with photocontrol. Must be used with "H" option
² Not available with "08" or "40" voltage



HOLOPHANE[®]
LEADER IN LIGHTING SOLUTIONS

An **AcuityBrands** Company

Acuity Brands Lighting, Inc.

Holophane Headquarters, 3825 Columbus Road,
Granville, OH 43023

Holophane Canada, Inc. 9040 Leslie Street,
Suite 208, Richmond Hill, ON L4B 3M4

Holophane Europe Limited, Bond Ave.,
Milton Keynes MK1 1JG, England

Holophane, S.A. de C.V., Apartado Postal No.
986, Naucalpan de Juarez, 53000 Edo. de Mexico

Contact your local Holophane factory sales representative for application assistance, and computer-aided design and cost studies. For information on other Holophane products and systems, call the Inside Sales Service Department at 866-759-1577. In Canada call 905-707-5830 or fax 905-707-5695.

Limited Warranty and Limitation of Liability

Refer to the Holophane limited material warranty and limitation of liability on this product, which are published in the "Terms and Conditions" section of the current Indoor Buyers Guide (HL-2140), and is available from your local Holophane sales representative.

Visit our web site at www.holophane.com

Luminaires may utilize fluorescent or high intensity discharge sources that contain small amounts of mercury. New disposal labeling for these lamps includes the mercury identifier shown on the left to indicate that the lamp contains mercury and should be disposed of in accordance with local requirements.



Information sources regarding lamp recycling and disposal are included on the packaging of most mercury-containing lamps and also can be located at www.lamprecycle.org.

Product specifications may change without notice. Please contact your local Holophane factory sales representative for the latest product information.



Mixed Sources

Product group from well-managed forests, controlled sources and recycled wood or fiber

www.fsc.org Cert no. SGS-COC-005600
© 1996 Forest Stewardship Council



Buying products with the FSC label supports the growth of responsible forest management worldwide. The eco savings in the production of this brochure:

1 tree preserved for the future

3 lbs waterborne waste not created

433 gallons wastewater flow saved

48 lbs solid waste not generated

94 lbs net greenhouse gases prevented

722,330 BTUs energy not consumed

Attachment B

Pole Model: Wadsworth Aluminum pole, 10' high with 17" diameter base, 5.25" diameter fluted straight shaft and dark bronze finish:
 Model # WD A 10 L5J 17 P07 ABG BZ

SINGLE-PIECE

PREFERRED SELECTIONS:

Most Frequently Ordered Catalog Numbers

WD 1 BASE FAMILY WD NY	A 2 MATERIAL A	10 3 HEIGHT 16 18 20	L5J 4 SHAFT SIZE L4E L5J	19 5 BASE DIAMETER 17	P07 6 TENON SIZE P01 P07	ABG 7 POLE MOUNTS ABG LAB	BZ 8 COLOR BK	RXXX 9 OPTIONS RXXX
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CATALOG NUMBERS FOR ENTIRE PRODUCT OFFERING

(Pricing and lead times may be affected)

<p>STEP 1: BASE FAMILY</p> <p>CH Charleston CP Chesapeake DA Delaware FW Fort Washington HL Hamilton KW Kentwood NY North Yorkshire RH Rockford Harbor SM Salem WD Wadsworth SL Base Plate/Shoe Base</p> <p>STEP 2: MATERIAL</p> <p>A Aluminum</p>	<p>STEP 3: HEIGHT</p> <table border="1"> <tr><td>8</td><td>8'</td><td>20</td><td>20'</td></tr> <tr><td>10</td><td>10'</td><td>22</td><td>22'</td></tr> <tr><td>12</td><td>12'</td><td>24</td><td>24'</td></tr> <tr><td>14</td><td>14'</td><td>26</td><td>26'</td></tr> <tr><td>16</td><td>16'</td><td>28</td><td>28'</td></tr> <tr><td>18</td><td>18'</td><td>30</td><td>30'</td></tr> </table> <p>STEP 4: SHAFT SIZE¹</p> <p>L4E 4.50" sq. fluted light duty L5J 5.25" sq. fluted med. duty L6J 5.75" sq. fluted med. duty L8G 8.50" sq. fluted heavy duty T1J 3"x 5" light duty T2J 5.75" sq. med. duty T3H 8.5" sq. heavy duty</p> <p>1 L8G, T1J, T3H only available with SL base family</p>	8	8'	20	20'	10	10'	22	22'	12	12'	24	24'	14	14'	26	26'	16	16'	28	28'	18	18'	30	30'	<p>STEP 5: BASE DIAMETER</p> <p>Various base diameters available depending on base family.</p> <p>STEP 6: TENON SIZE</p> <p>P01 Pole cap P05 3"x 4" P07 3"x 3" P08 3"x 5" P09 3"x 6" P10 3"x 9" P11 4 3/8"x 12"</p> <p>STEP 7: POLE MOUNTING OPTIONS</p> <p>ABG Anchor bolts, galvanized LAB Less anchor bolts</p>	<p>STEP 8: COLOR</p> <p>BK Black BD Burgundy BZ Bronze GH Graphite GN Green GR Gray PP Prime Painted SL Silver WH White</p> <p>*Colors are just a representation. Custom colors are available upon request</p> <p>STEP 9: OPTIONS</p> <p>RXXX Receptacle JXXX 1/2" NPT threaded entry KXXX 3/4" NPT threaded entry</p> <p>XXX = Inches above grade Y = Orientation from hand hole, CCW (A=0°, B=90°, C=180°, D=270°)</p>
8	8'	20	20'																								
10	10'	22	22'																								
12	12'	24	24'																								
14	14'	26	26'																								
16	16'	28	28'																								
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TWO-PIECE CLAMSHELL BASE

PREFERRED SELECTIONS:

Most Frequently Ordered Catalog Numbers

SL 1 SHAFT BASE SL	NY24 2 BASE NY24	CA 3 MATERIAL CA CI	L6J 4 SHAFT L6J L8G	BK 5 COLOR BK
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CATALOG NUMBERS FOR ENTIRE PRODUCT OFFERING

(Pricing and lead times may be affected)

<p>STEP 1: SHAFT BASE</p> <p>SL Base Plate/Shoe Base</p> <p>STEP 2: BASE</p> <p>CAST ALUMINUM</p> <p>AT22 Atlanta, 22" wide base BF28¹ Bradford, 28" wide base PM18¹ Portland, 18" wide base PTF¹ Princeton, 30" wide base</p> <p>CAST IRON</p> <p>C26 Columbia, 26" wide base C28 Columbia, 28" wide base EB28 Embarcadero, 28" wide base</p>	<p>STEP 2: BASE (CONTINUED)</p> <p>CAST IRON</p> <p>H28² Hamilton, 28" wide base NY24W North Yorkshire, 24" wide base NY28 North Yorkshire, 28" wide base SF20¹ San Francisco, 20" wide base</p> <p>CAST ALUMINUM & CAST IRON</p> <p>CP22¹ Chesapeake, 22" wide base CP24 Chesapeake, 24" wide base DF19¹ Denver Federal, 19" wide base NY24¹ North Yorkshire, 24" wide base</p> <p>1 Available with SL6 shafts only 2 Available with SL8 shafts only</p>	<p>STEP 3: MATERIAL</p> <p>CA Cast Aluminum CI Cast Iron</p> <p>STEP 4: SHAFT SIZE</p> <p>L6J 5.75" sq. fluted med. duty L8G 8.50" sq. fluted heavy duty T2J 5.75" sq. fluted med. duty T3H 8.5" sq. fluted heavy duty</p>	<p>STEP 5: COLOR</p> <p>BK Black BD Burgundy BZ Bronze GH Graphite GN Green GR Gray PP Prime Painted SL Silver WH White</p> <p>*Colors are just a representation. Custom colors are available upon request</p>
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