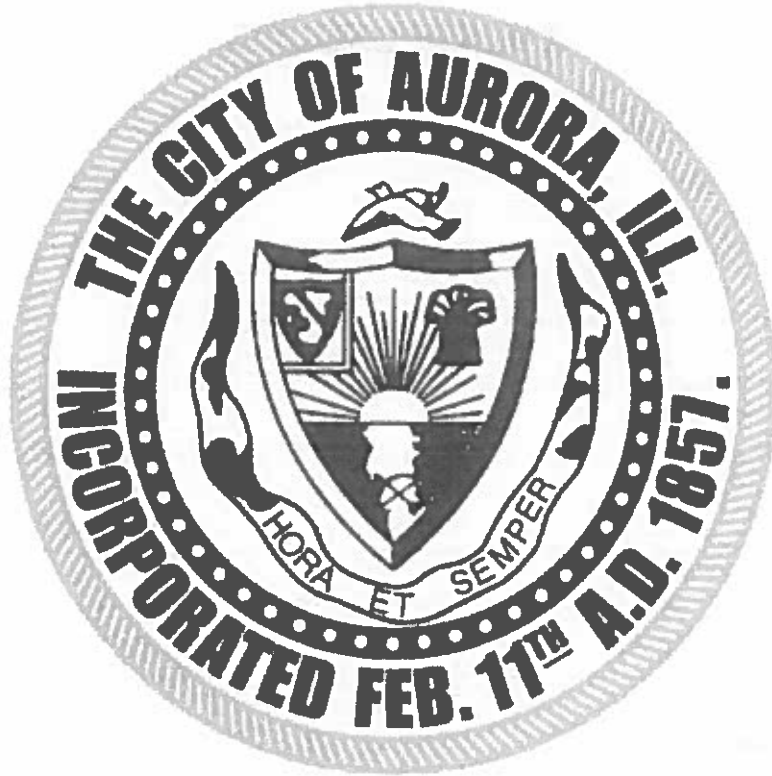


GRAYBAR ELECTRIC COVERSHEET

We have provided 2 bids

- First bid: Addendum #2 completed with 4 alternatives
- Second bid: Complete & approved alternative package found on separate sheet behind



**Request for Quotations
24-016**

LIGHTING MATERIALS 2024

**Sealed Quotations Due
Wednesday, February 14, 2024
At 2:00 P.M.**

**City of Aurora
Purchasing Division
44 East Downer Place
Aurora, Illinois**

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**City of Aurora
NOTICE TO BIDDERS
24-016**

Time and Place of Opening of Bids

Sealed proposals for the purchase described below will be received at the office of the City Clerk, 44 E Downer Place, First Floor, Aurora, IL 60507 until **2:00 PM, Wednesday, February 14, 2024**. Proposals will be opened and read publicly in the 5th floor conference room at the above address on Wednesday, February 14, 2024 at 2:00 PM for those wishing to attend in person. The bid opening will also be live streamed, access details to be provided to plan holders.

Any bid received by the City Clerk's Office **after 2:00 PM on Wednesday, February 14, 2024** shall be rejected and returned unopened.

Description of Work

Name: Lighting Materials 2024
Aurora, IL

Scope of Services: The City is looking to purchase street lighting materials including fixtures/luminaires, standards/poles, and bollards to be used at various projects and locations throughout Aurora. The City is willing to consider alternative materials (such as other brands) which are generally equivalent to those being requested, but any alternative must be submitted for preapproval prior to bidding. **This contract will be for materials only and will not include installation.**

Bidder Instructions

1. Plans, specifications, and proposal forms may be obtained online at: <https://www.aurora-il.org/bids.aspx>.
2. All questions, including submittal of alternative materials for pre-approval, should be received by the purchasing division by 4 PM Wednesday, February 7, 2024 so that an addendum can be issued Friday, February 9, 2024 if required. All questions received after Wednesday, February 7, 2024 will not be addressed.
3. The City reserves the right to waive technicalities and to reject any or all proposals as provided in Standard Provisions for Bidding Requirements and Conditions for Contract Proposals contained in the "Supplemental Specifications and Recurring Special Provisions".
4. Any bidder who owes the City money may be disqualified at the City's discretion.
5. The City encourages minority business firms to submit proposals and encourages the successful contract bidder to utilize minority businesses as subcontractors for supplies, equipment, services, and construction.
6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.
7. The City of Aurora has a local preference ordinance that would apply to this contract.

By Order of
City Clerk
City of Aurora

City of Aurora
NOTICE TO BIDDERS
24-016

Time and Place of Opening of Bids

Sealed proposals for the purchase described below will be received at the office of the City Clerk, 44 E. Downer Place, First Floor, Aurora, IL 60505 until **2:00 PM, Wednesday, February 14, 2024**. Proposals will be opened and read publicly in the 5th floor conference room at the above address on Wednesday, February 14, 2024 at 2:00 PM for those wishing to attend in person. The bid opening will also be live streamed, access details to be provided to plan holders.

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Description of Work

Name: Lighting Materials 2024
Aurora, IL

Scope of Services: The City is looking to purchase street lighting materials including fixtures/luminaires, standards/poles, and bollards to be used at various projects and locations throughout Aurora. The City is willing to consider alternative materials (such as other brands) which are generally equivalent to those being requested, but any alternative must be submitted for preapproval prior to bidding. **This contract will be for materials only and will not include installation.**

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By Order of
City Clerk
City of Aurora

BIDDER'S CERTIFICATION

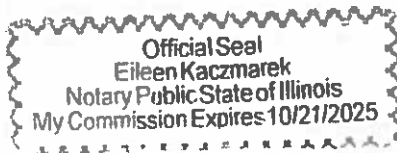
I/We hereby certify that:

- A. A complete set of bid papers, as intended, has been received, and that I/We will abide by the contents and/or information received and/or contained herein.
- B. I/We have not entered into any collusion or other unethical practices with any person, firm, or employee of the City which would in any way be construed as unethical business practice.
- C. I/We have adopted a written sexual harassment policy which is in accordance with the requirements of Federal, State and local laws, regulations and policies and further certify that I/We are also in compliance with all other equal employment requirements contained in Public Act 87-1257 (effective July 1, 1993) 775 ILCS 5/2-105 (A).
- D. I/We operate a drug free environment and drugs are not allowed in the workplace or satellite locations as well as City of Aurora sites in accordance with the Drug Free Workplace Act of January, 1992.
- E. The Bidder is not barred from bidding on the Project, or entering into this contract as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code, or any similar offense of "bid rigging" or "bid rotating" of any state or the United States.
- F. I/We will abide by all other Federal, State and local codes, rules, regulations, ordinances and statutes.

COMPANY NAME Graybar Electric
ADDRESS 1 Pierce Place Suite 800
CITY/STATE/ZIP CODE Itasca, IL 60143
NAME OF CORPORATE/COMPANY OFFICIAL John Sepiol
TITLE Manager of Electrical Business
PLEASE TYPE OR PRINT CLEARLY

AUTHORIZED OFFICIAL SIGNATURE 
DATE 2-20-24 Subscribed and Sworn to

TELEPHONE (317) 710-8592 Before me this 20 day
of FEBRUARY, 2024




Notary Public

STATE OF ILLINOIS)
)
County of Kane) SS.

BIDDER'S TAX CERTIFICATION

(BIDDER'S EXECUTING OFFICER), being first duly sworn on oath, deposes and states that all statements made herein are made on behalf of the Bidder, that this despondent is authorized to make them and that the statements contained herein are true and correct.

Bidder deposes, states and certifies that Bidder is not barred from contracting with any unit of local government in the State of Illinois as result of a delinquency in payment of any tax administered by the Illinois Department of Revenue unless Bidder is contesting, in accordance with the procedures established by the appropriate statute, its liability for the tax or the amount of the tax, all as provided for in accordance with 65 ILCS 5/11-42.1-1.

DATED this 20th day of February, 2024.

By 
(Signature of Bidder's Executing Officer)

John Sepiol
(Print name of Bidder's Executing Officer)

Manager of Electrical Business
(Title)

ATTEST/WITNESS:

By EILEEN KACZMAREK
Title FINANCIAL ASSISTANT

Subscribed and sworn to before me this
20 day of FEBRUARY, 2024.


Notary Public



(SEAL)

CITY OF AURORA, ILLINOIS
24-016
LIGHTING MATERIALS 2024

CONTACT INFORMATION

Vendor shall provide the following contact information assigned to service the City of Aurora account.

Customer Service/General Information: Ph: 630-376-5587

To place an order:

Name: Adam Morrison

Ph: 630-376-5587 Fax: _____

E-mail: adam.morrison@graybar.com

Billing & Invoicing question:

Name: Debi Kane

Ph: 630-671-6285 Fax: _____

E-mail: debi.kane@graybar.com

Questions:

Name: Adam Morrison

Ph: 630-376-5587 Fax: _____

E-mail: adam.morrison@graybar.com

Bidder's Name: Adam Morrison

Signature & Date:  2-20-24

QUOTATION FORM
24-016
LIGHTING MATERIALS 2024

TO: CITY OF AURORA
44 EAST DOWNER PLACE
AURORA, ILLINOIS 60507

1. Proposal of Graybar Electric
for the improvement known as the **Lighting Materials 2024**.
2. In submitting this proposal, the undersigned declares that the only persons or parties interested in the proposal as principals are those named herein, and that the proposal is made without collusion with any person, firm, or corporation.
3. The undersigned further declares that he has carefully examined the proposals, specifications, and special provisions, and that he has familiarized himself with all of the local conditions affecting the contract and detailed requirements, and understands that in making this proposal he waives all right to plead any misunderstanding regarding the same.
4. The undersigned declares that he understands that the quantities mentioned are approximate only, and that they are subject to increase or decrease; that he will take in full payment therefore the amount of the summation of the actual quantities, as finally determined, and multiplied by the unit prices shown in the schedule of prices contained herein.
5. The undersigned agrees that the unit prices submitted herewith are for the purpose of obtaining a gross sum and for use in computing the value of extras and deductions; that if there is a discrepancy between the gross sum bid and that resulting from the summation of the quantities multiplied by their respective unit prices, the latter shall apply.
6. The undersigned agrees that if the City decides to extend or shorten the improvement, or otherwise alter it by extras or deductions, including the elimination of any one or more of the items, as provided in the specifications, he will provide quantities, increased or decreased, at the contract unit prices without claim for profits lost as a result of any work or items eliminated by the City of Aurora.
7. The undersigned submits herewith his schedule of prices covering the components to be provided under this contract, he understands that he must show in the schedule the unit prices for which he proposes to provide each item and that if not done, his proposal may be rejected as irregular or non-responsive.
8. The City of Aurora reserves the right to reject any or all of the bids and to waive any and all irregularities and technicalities. The City of Aurora shall either award the project or reject the bids within ninety (90) calendar days after the bid opening. This time frame may be extended upon mutual agreement of the City and the Bidder.

9. Local Bidder Preference

O18-070, amended by O20-029 approved April 28, 2020 defines "Local business" to mean a vendor or contractor who has a valid, verifiable physical business address located within the corporate boundaries of the City of Aurora at least twelve months prior to a bid or proposal opening date, from which the vendor, contractor or consultant operates or performs business on a daily basis, including manufacturing production or distribution. The business must disclose the percentage of workforce in the City of Aurora; be registered with the City of Aurora, if applicable; be subject to City of Aurora taxes (inclusive of sales taxes); be current with property tax payments and sales tax payments; not have any outside cited code violations; not have any outstanding debts to the City of Aurora; have adequately qualified and trained staff to service the bid of interest.

10. The undersigned of this proposal agrees that he or she has examined all sections of this Request, Specifications, and Bidding Documents and hereby understands and accepts the provisions and shall claim no compensation other than the prices as bid.
11. The undersigned agrees to indemnifying and saving harmless the City of Aurora, its officers, agents, employees, and servants by filing with the City, prior to the execution of the contract, copies of completed Certificates of Insurance satisfactory to the City, with the City of Aurora named as primary, non-contributory additional insured; automobile liability insurance covering owned, non-owned, and hired vehicles with limits of liability as stated in the attached Special Provisions. Bid number 24-016 and title "Lighting Materials 2024" must be referenced on the Certificate of Insurance.
12. No contract will be awarded to any bidder where that bidder or any principal or supervisory personnel of the bidder has been personally involved with another business that has been delinquent or unfaithful in any former contract with the City or where that bidder or any supervisory personnel of the bidder has been personally involved with another business that is a defaulter as surety or otherwise upon obligation to the City.
13. Payment shall be made for materials provided. The City, after inspection and acceptance, and in consideration of the faithful performance by the Bidder, agrees to pay for the materials requested under this contract, payment shall be made in accordance with the Illinois Local Government Prompt Payment Act (50 ILCS 505/1, *et seq.*)

Time, in connection with any discount offered, will be computed from the date of delivery to the City or from the date a correct invoice is received by the City of Aurora Purchasing Division, if the latter date is later than the date of delivery.

Prices will be considered NET, if no payment discount is shown.

The successful Bidder **must** submit invoices via e-mail to:

PurchasingDL@aurora-il.org

or Mail to the following address:

**City of Aurora
Attn: Purchasing Division
44 E. Downer Place
Aurora, IL 60507**

The City of Aurora offers electronic funds transfer (EFT) payment to our vendors. EFT is *our preferred method of payment!*

14. The City reserves the right to cancel the whole or any part of the contract if the Proposer fails to perform any of the provisions in the contract or fails to make delivery within the time stated. The Proposer will not be liable to perform if situations arise by reason of strikes, acts of God or public enemy, acts of the City, fires or floods.
15. The Illinois Freedom of Information Act (FOIA) has been amended and effective January 1, 2010, adds a new provision to Section 7 of the Act which applies to public records in the possession of a party with whom the City of Aurora has contracted. The City of Aurora will have only a very short period of time from receipt of a FOIA request to comply with the request, and there is a significant amount of work required to process a request including collating and reviewing the information. The undersigned acknowledges the requirements of FOIA and agrees to comply with all requests made by the City of Aurora for public records (as that term is defined by Section 2(c) of FOIA) in the undersigned's possession and to provide the requested public records to the City of Aurora within two (2) business days of the request being made by the City of Aurora. The undersigned agrees to indemnify and hold harmless the City of Aurora from all claims, costs, penalty, losses and injuries (including but not limited to, attorney's fees, other professional fees, court costs and/or arbitration or other dispute resolution costs) arising out of or relating to its failure to provide the public records to the City of Aurora under this agreement.
16. The City of Aurora is exempt, by law, from paying State and City Retailer's Occupation Tax, State Service Occupation Tax, State Use Tax and Federal Excise Tax (per Illinois Revised Statutes, Chapter 120, Paragraph 44) upon City works and purchases. The City of Aurora's Sales Tax Exemption Number is E9996-0842-07.
17. The entire set of specifications shall be submitted with each proposal.
18. The undersigned submits herewith this **Schedule of Prices** covering the materials requested under this contract.

CITY OF AURORA

QUOTATION BID PROPOSAL FORM

24-016

LIGHTING MATERIALS 2024

No additional charges over line item net price will be accepted without written approval of the Purchasing Director.

All quotation prices shall be shown as delivered Aurora Destination, Prepaid and Allowed.

Non-quoted items must have price on packing list.

Do not add state, federal or local taxes. Municipalities are exempt. Exemption Certification Permit No. Illinois E9996-0842-07.

Any Bidder who owes the City money may be disqualified at the City's discretion.

The City of Aurora reserves the right at any time and for any reason to cancel this Request for Quotation, to accept or reject any or all Bids or portion thereof, or accept an alternate bid. The City reserves the right to waive any immaterial defect in any bid, or technicality, informality or irregularity in the bids received, and to disregard all nonconforming or conditional bids or counter-proposals. Unless otherwise specified by the bidder or the City, the City reserves the right to hold the best bids for ninety (90) days from the opening date set forth above. The City may seek clarification from any bidder at any time and failure to respond promptly is cause for rejection. The City further reserves the right to award the bid to the lowest responsible Bidder whose offer best responds in quality, fitness and capacity to the requirements of the proposed work or usage and therefore is in the best interest of the City.

QUOTATION SUBMITTED BY

COMPANY Graybar Electric

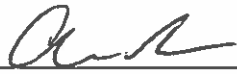
ADDRESS 1 Pierce Place Suite 800

CITY, STATE, ZIP Itasca, IL 60143

PREPARER'S NAME Adam Morrison
Please Type

EMAIL ADDRESS adam.morrison@graybar.com

CONTACT PERSON Adam Morrison

AUTHORIZED SIGNATURE 
Title

PHONE # (630) 376-5587 FAX # () DATE 2-20-24

CITY OF AURORA
QUOTATION PROPOSAL FORM 24-016
LIGHTING MATERIALS 2024

Please provide pricing for the following lighting materials (including shipping cost). Note that the final quantity of materials anticipated to be purchased under this contract may vary depending on unit pricing provided.

Material	Manufacturer	Model/Catalog Number	Qty	Unit Cost	Subtotal
Pole	Valmont	120040404UB (12') Brookhaven	10		
Pole (2 Arm)	Valmont	DS210-900A400 -(2)-8'LMA- FP/BK-HH-NC-AB w/Alhambra Finial	10		
Pole	StressCrete	E-250-APH-G (20') 535	15		
Bollard	Sentry Electric	SAL-B-BOL-SLOT-INC (Gloss Black)	10		
Fixture	King	K833-75(SSL)8060 120/277V (Black)	40		
Fixture	LV	LPBA-40 LED 4K-V-BK	15		
Fixture	Sentry	SCP-NB-LEDV29BP-07A 803 DR KHT 3 TLR7 BK	20		

Total	
-------	--

Complete delivery of product will be received within _____ working days upon receipt of order.

Bidders Name Adam Morrison

Signature & Date  2-20-24



City of Aurora, IL - Local Vendor Preference Application

The business identified below is requesting to be placed on the City of Aurora, Illinois Local Vendor Preference list, in accordance with ordinance O20-029 approved April 28, 2020.

- 1) Date Submitted: _____
- 2) Name of Business: _____
- 3) Address of Local Office: _____
- 4) City, State, Zip: _____
- 5) Company's Web Address: _____
- 6) Phone: _____ Fax: _____
- 7) County your Local Business is Located In: _____

Submitted By (Signature): _____

Print Name and Title: _____

Email Address: _____

Sec. 2-410.-Prequalification; local bidder.

- (a) If an interested business would like to prequalify as a "local business", such a business shall complete and submit the prequalification application along with supporting documentation, as listed below, and the applicable fee as set by the City Council, to the Finance Department:
 - a. Evidence that the business has established and maintained a physical presence in the City of Aurora, by virtue of the ownership or lease of all or a portion of a building for a period of not less than twelve (12) consecutive months prior to the submission of the prequalification application; and
 - b. Evidence demonstrating that the business is legally authorized to conduct business within the State of Illinois and the City of Aurora, and has a business registered to operate in the City if required; and
 - c. Evidence that the business is not a debtor to the City of Aurora. For purposes of this subparagraph, a debtor is defined as having outstanding fees, water bills, sales tax or restaurant/bar tax payments that are thirty (30) days or more past due, or has outstanding weed or nuisance abatements or liens, has failure to comply tickets or parking tickets that are not in dispute as to their validity and are not being challenged in court or other administrative processes.

Back up documentation for (a) a. and (a) b. must accompany this submittal or application will be rejected.

Please note for (a) c. above the City of Aurora will verify internally that your company does not have any outstanding fees. Your company should make sure that to the best of its knowledge all bills are current.

Return completed application, with all required backup documentation to:

City of Aurora, Attn: Purchasing Division, 44 E. Downer Place, Aurora, IL 60507

Or email to: PurchasingDL@aurora.il.us

Do not write below this line: For City of Aurora use ONLY

- (a) a.
- (a) b.
- (a) c.

Date: _____

Approved: _____

Letter Sent: _____

Denied: _____

Initials: _____

City of Aurora

Finance Department | Purchasing Division
44 E Downer Place | Aurora, Illinois & 60507
Phone: (630) 256-3550 | Fax: (630) 256-3559 | Web: www.aurora-il.org



DATE: February 9, 2024
TO: Prospective Bidders
FROM: Jolene Coulter, Director of Purchasing
RE: **CITY OF AURORA INVITATION TO BID 24-016 – Addendum
#1 LIGHTING MATERIALS**

This notice forms a part of the Invitation to Bid 24-016: Lighting Materials. All other information pertaining to this Invitation to Bid shall remain the same.

Sealed Bids will be received at the City of Aurora, Attn: City Clerk, 44 East Downer Place, Aurora, Illinois 60507, until 2:00 pm, CST, Wednesday, ~~February 14, 2024~~ February 21, 2024. It is the sole responsibility of the Bidder to see that their Bid is received by the due date and time. No Late bids will be accepted.

The Bid Opening Date has been extended until February 21, 2024.

An Addendum will be posted on Monday, February 12, 2024 with additional information.

Page 1 of 1

End of Addendum #1

Bid 24-016

Lighting Materials 2024

REVISED Bid opening: 2:00 pm, February 21, 2024

ADDENDUM NO. 2

Page 1 of 2

TO: All Bidders

FROM: Engineering Division, City of Aurora

DATE: February 12, 2024

THIS ADDENDUM FORMS A PART OF THE BIDDING & CONTRACT DOCUMENTS.

1. The City of Aurora received product information for six items which have been proposed as alternatives to the materials requested in the Quotation Proposal Form included with the RFB. Of the six, the City has approved the four products listed on the Revised Quotation Proposal Form included with this Addendum. Product information for these four items is also included.

All respondents shall submit the attached Revised Quotation Proposal Form in-lieu of the original form and can include pricing for any or all of the approved alternatives presented there-in.

City of Aurora Engineering Division

PLEASE ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY FILLING OUT THE FOLLOWING AND SENDING AN E-MAIL TO purchasingDL@aurora.il.us IMMEDIATELY UPON RECEIPT.

COMPANY NAME

Graybar Electric

SIGNATURE OF COMPANY REPRESENTATIVE



CITY OF AURORA
REVISED QUOTATION PROPOSAL FORM 24-016
 LIGHTING MATERIALS 2024


Please provide pricing for the following lighting materials (including shipping cost). Note that the final quantity of materials anticipated to be purchased under this contract may vary depending on unit pricing provided.

Material	Manufacturer	Model/Catalog Number	Qty	Unit Cost	Subtotal
Pole	Valmont*	120040404UB (12') Brookhaven*	10		
Pole (2 Arm)	Valmont	DS210-900A400 -(2)-8'LMA- FP/BK-HH-NC-AB w/Alhambra Finial	10		
Pole	StressCrete	E-250-APH-G (20') 535	15		
Bollard	Sentry Electric**	SAL-B-BOL-SLOT-INC (Gloss Black)**	10		
Fixture	King***	K833-75(SSL)8060 120/277V (Black)***	40		
Fixture	LV	LPBA-40 LED 4K-V-BK	15		
Fixture	Sentry****	SCP-NB-LEDV29BP-07A 803 DR KHT 3 TLR7 BK****	20		

Pricing may also be submitted for any or all of the following approved alternative products (see asterisks for corresponding item to be replaced above):

<i>Pole</i>	<i>Spring City*</i>	<i>The Madison Flare Top*</i>	<i>10</i>	<i>\$3,373.06</i>	<i>\$33,730.60</i>
<i>Bollard</i>	<i>Spring City**</i>	<i>The Madison Lighted LED Bollard**</i>	<i>10</i>	<i>\$2,987.56</i>	<i>\$29,875.60</i>
<i>Fixture</i>	<i>Lumec***</i>	<i>RN30-80W48LED4K-G3-ACDR- LE3R-VOLT-DMG-SMA-BKTX****</i>	<i>40</i>	<i>\$1,956.48</i>	<i>\$78,259.20</i>
<i>Fixture</i>	<i>Spring City****</i>	<i>The Park Central LED Luminaire****</i>	<i>20</i>	<i>\$1,800.00</i>	<i>\$36,000.00</i>

Total	\$177,865.40
-------	--------------

Bidders Name Adam Morrison
 Signature & Date  2-20-24

Material	Manufacturer	Model/Catalog Number	Alternative Manufacturer	Alternative Model/Catalog Number	Qty	Unit Cost	Subtotal
Pole	Valmont*	120040404UB (12') Brookhaven*	Spring City	PSMD-18- 12.50-TN2.88- 2.50-CU	10	\$3,373.06	\$33,730.60
Pole (2 Arm)	Valmont	DS210- 900A400 -(2)- 8'LMAFP/BK- HH-NC-AB w/Alhambra Finial	Union Metal	B99 DESIGN SERIES	10	\$5,782.38	\$57,823.80
Pole	StressCrete	E-250-APH-G (20') 535	Traditional Concrete	D119-PG-PA-4D	15	\$1,923.32	\$28,849.80
Bollard	Sentry Electric**	SAL-B-BOL- SLOT-INC (Gloss Black)**	Spring City	ABDMDS-18- 3.58-LT- LE020/EVX/1BL- 30-YCLO-CU	10	\$2,987.56	\$29,875.60
Fixture	King	K833- 75(SSL)8060 120/277V (Black)***	Lumec	RN30- 80W48LED4K- G3-ACDR-LE3R- VOLT-DMG- SMA-BKTX	40	\$1,956.48	\$78,259.20
Fixture	LV	LPBA-40 LED 4K-V-BK	NLS Lighting	SVN-2-LG2-T5- 48L-53-30K7- UNV-PT-BLK-FIN	15	\$867.36	\$13,010.40
Fixture	Sentry****	SCP-NB- LEDV29BP-07A 803 DR KHT 3 TLR7 BK****	Spring City	ALMPCL-LE040- EVX-2G2-30- YKSF-CR3-TR7P- CU	20	\$1,800.00	\$36,000.00

Total	\$277,549.40
-------	--------------

This drawing is property of Spring City Elect. Mfg. and is loaned to the recipient with the understanding that it shall not be copied, duplicated, passed on to unauthorized parties, nor used for any purpose other than that for which it is specifically furnished except with Spring City's written permission.

LAMP POST SPECIFICATIONS

STYLE: MADISON FLARE TOP
 HEIGHT: 12'-6"
 BASE: 18 1/2" DIAMETER
 MATERIAL: PLEASE ADVISE BELOW
 FINISH: PLEASE ADVISE BELOW
 ACCESS DOOR: LOCATED IN BASE SECURED WITH TAMPER PROOF
 HEX SOCKET SECURITY MACHINE SCREWS
 GROUND PROVISIONS: DRILL AND TAP INSIDE WALL OF BASE OPPOSITE ACCESS DOOR TO
 ACCOMMODATE A 1/4"-20 GROUND STUD (STUD SUPPLIED BY OTHERS)
 ANCHOR BOLTS: (4) 3/4" DIA. X 24" LONG + 3" HOOK (FULLY GALVANIZED WITH
 1 GALVANIZED NUT AND 1 GALVANIZED WASHER PER BOLT)
 BOLT PROJECTION: 3" REQUIRED
 TENON: PLEASE ADVISE BELOW

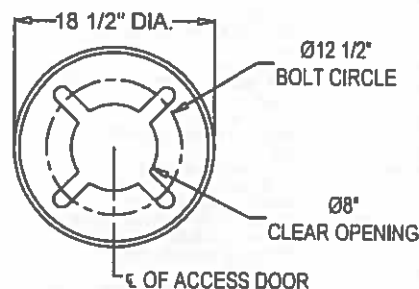
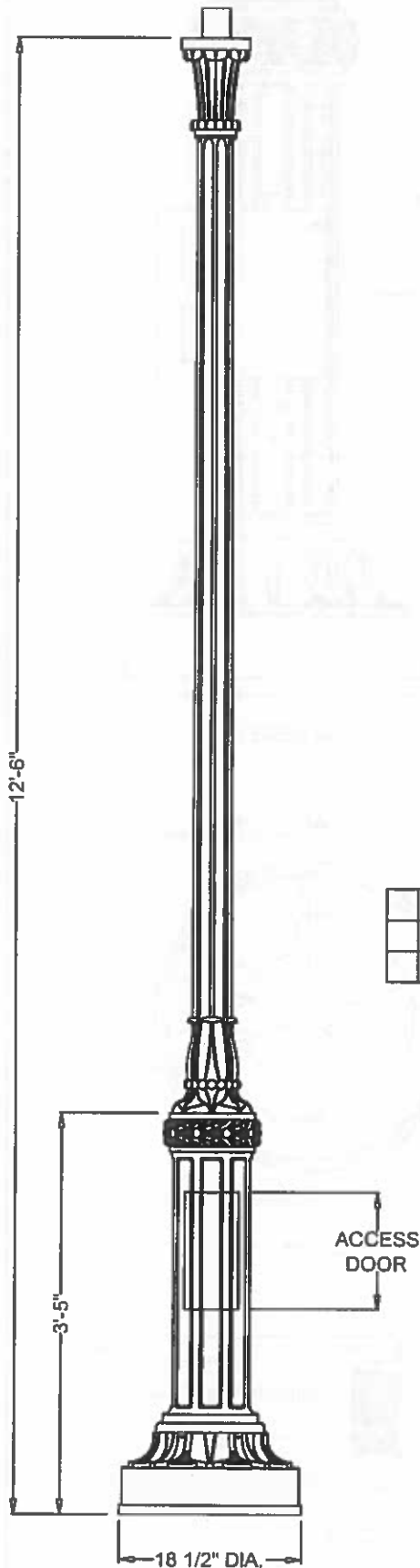
CATALOG NO.:

PSMDS-18-12.50-TN

MATERIAL	CAT. NO.
1 PIECE, CAST ALUMINUM ALLOY ANSI 356 PER A.S.T.M. B26-95	A
1 PIECE, CAST IRON PER A.S.T.M. A48-83 CLASS 30	I
1 PIECE, CAST DUCTILE IRON PER A536-84 GRADE 65-45-12	D

TENON	CAT. NO.
2 7/8" DIA. X 3" HIGH	TN2.88/3.00
3" DIA. X 3" HIGH	TN3.00/3.00
3 1/2" DIA. X 3" HIGH	TN3.50/3.00
4" DIA. X 3" HIGH	TN4.00/3.00
X.XX" DIA. X X.XX" HIGH	TNX.XX/X.XX

FINISH	CAT. NO.
POWDER COAT - PLEASE ADVISE RAL #	CU
PRIME PAINT THEN FINISH PAINT SHERWIN WILLIAMS - PLEASE ADVISE COLOR	CW



BASE PLATE DETAIL



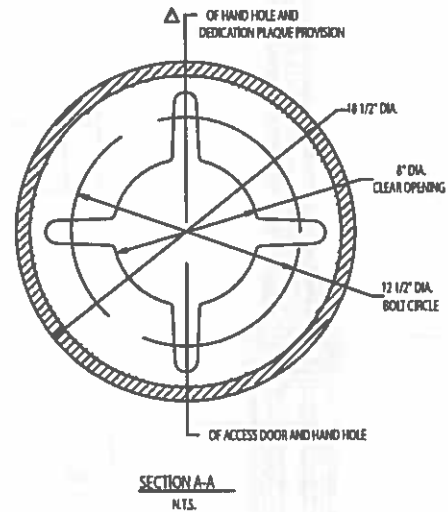
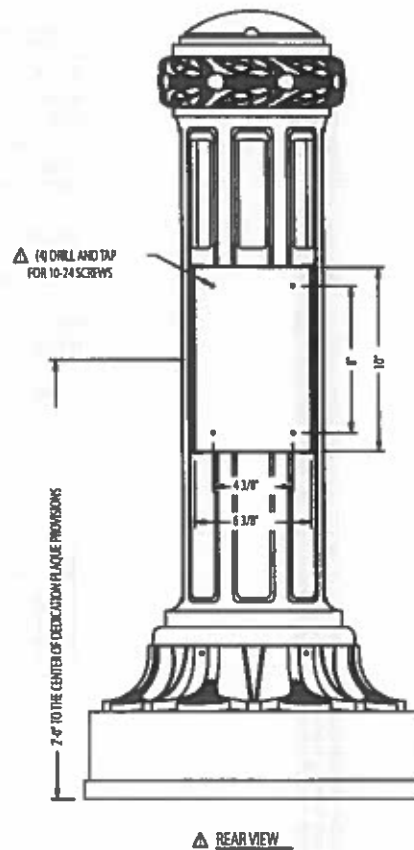
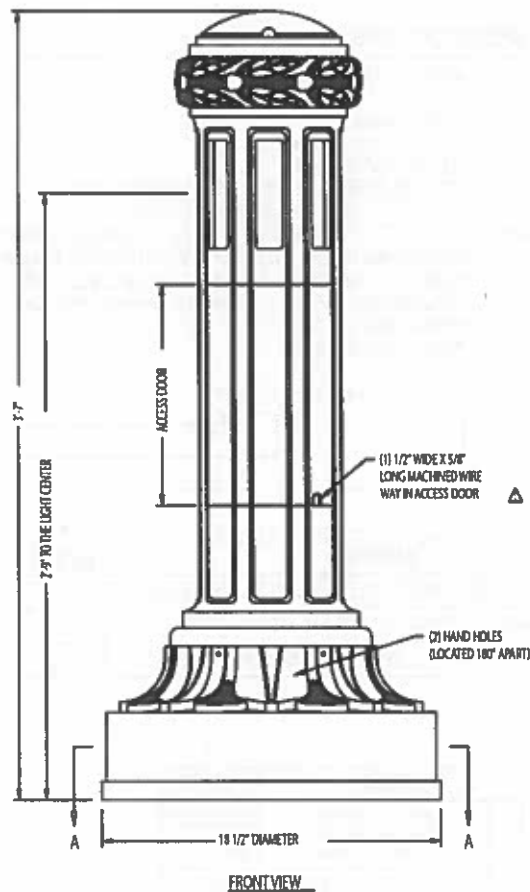
Spring City Electrical Mfg. Co.

HALL AND MAIN STREETS - P.O. BOX 19 - SPRING CITY, PA. 19476
 PHONE (610) 948-4000 - FAX (610) 948-5577 - WWW.SPRINGCITY.COM

DESCRIPTION


THE MADISON FLARE TOP
 12'-6" LAMP POST

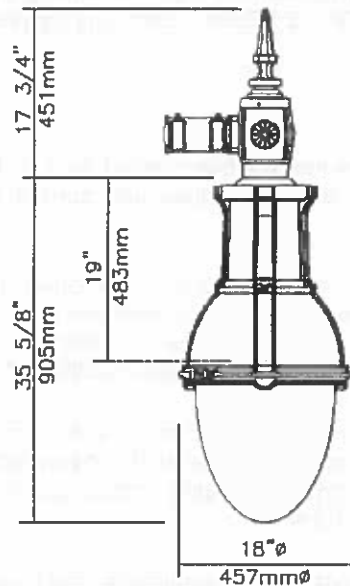
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BOLLARD SPECIFICATIONS

STYLE:	MADISON
HEIGHT:	3'-7"
LIGHT CENTER:	2'-9"
BASE:	18 1/2" DIAMETER
MATERIAL:	CAST DUCTILE IRON PER A.S.T.M. A536-84 GRADE 65-45-12
CYLINDER:	FROSTED ACRYLIC
FINISH:	PRIME PAINT THEN FINISH PAINT, SHERWIN WILLIAMS ACRYLON - CLASSIC BLACK
LAMPING:	25 LED SYSTEM
VOLTAGE:	ELECTRONICALLY WIRED AT 120-277 VOLTS
COLOR TEMP:	4500K
DISTRIBUTION:	TYPE V (SYMMETRIC DISTRIBUTION)
ACCESS DOOR:	LOCATED IN BASE SECURED WITH TAMPER PROOF HEX SOCKET SECURITY MACHINE SCREWS
GROUND PROVISIONS:	DRILL AND TAP INSIDE WALL OF BASE OPPOSITE ACCESS DOOR TO ACCOMMODATE A 1/4"-20 GROUND STUD (GROUND STUD SUPPLIED BY OTHERS)
ANCHOR BOLTS:	(4) 3/4" DIA. X 24" LONG + 3" HOOK (FULLY GALVANIZED WITH 1 GALVANIZED NUT AND 1 GALVANIZED WASHER PER BOLT)
BOLT PROJECTION:	3" REQUIRED
CATALOG NO.:	DBDMD5-18-3-38-LP-LED25/EX/X1-45-CHS-YCL-F-PP-CB

REVISD BY: BLJR		DATE: 07-29-2014	
 Spring City Electrical Mfg. Co. HALL AND MAIN STREETS - P.O. BOX 18 - SPRING CITY, PA 15421 PHONE (610) 948-4020 - FAX (610) 948-5577 - WWW.SPRINGCITYMFG.COM			
DESCRIPTION		THE MADISON LIGHTED LED BOLLARD WITH DEDICATION PLAQUE PROVISIONS	
CUSTOMER			
JOB			
SCALE	DRAWN BY:	DATE	DRAWING NO.
N.T.S.	D.J.C.	05-20-14	



EPA: 2.63 sq ft / weight: 55 lb (25 kg)
Note: 3D image may not represent color or option selected.
Logos above include link, click to access.

Qty	1	Luminaire	RN30-80W48LED4K-G3-ACDR-LE3R-VOLT-DMG-SMA-BKTX
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Description of Components:

Roof: Injection die cast A360.1 aluminium dome, mechanically assembled on the luminaire housing.

Housing: In a round shape, this housing is made of injection die cast A360.1 aluminium, complete with a weatherproof door giving a tool-free access to the ballast, without disconnection of wiring, mechanically assembled. This suspension system permits a full rotation of the luminaire in 90 degree increments.

Access-Mechanism: Injection die cast A360.1 aluminium frame with latch and hinge, complete with cast-in security block for frame's open position. The mechanism shall offer tool-free access to the inside of the luminaire. An embedded memory-retentive gasket shall ensure weatherproofing.

Light Engine: LEDgine composed of 5 main components: **Globe / LED Module / Optical System / Heat Sink / Driver**
Electrical components are RoHS compliant.

Heat Sink: Made of cast aluminum optimising the LEDs efficiency and life. Product does not use any cooling device with moving parts (only passive cooling device).

Globe: (ACDR), Made of one-piece seamless injection-molded impact-resistant (DR) acrylic having an inner prismatic surface. Complete with a semi-prismatic house side shield and external glare softening prisms. The globe is mechanically assembled and sealed onto the lower part of the heat sink.

LED Module: Composed of 48 high-performance white LEDs. Color temperature as per ANSI/NEMA bin Neutral White, 4000 Kelvin nominal (3985K +/- 275K or 3710K to 4260K), CRI 70 Min. 75 Typical.

Optical System: (LE3R), IES type III (asymmetrical). Composed of high-performance optical grade PMMA acrylic refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity. Optical system is rated IP66. Performance shall be tested per LM-63, LM-79 and TM-15 (IESNA) certifying its photometric performance. Street side indicated.

Driver: Driver comes with dimming compatible 0-10 volts.

The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection to the LEDs and the electrical components. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction.

Driver Options: (DMG), Dimming compatible 0-10 volts. For applicable warranty, certification and operation guide see Lumec dimmable luminaire specification document for unapproved device installed by other. To get document, click on this link: [Specification document](#) or go on web site on this address: https://www.signify.com/b-dam/signify/en-us/brands/lumec/Lumec-un-approved-control-device-installed-by-others-7_d.pdf

Surge Protector: Surge protector tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line-Ground, Line-Neutral and Neutral-Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid-State Street Lighting Consortium) model specification for LED roadway luminaires electrical immunity requirements for High Test Level 10kV / 10kA.

Adaptor: (SMA), Made of cast 356 aluminum, complete with a block connector, mechanically assembled to the bracket. Can be mounted on a 1.66"(42mm) to 2.38"(60mm) outside diameter bracket arm tubing that slip fits 6.5" (165mm) long inside the adaptor, permits an adjustment of $\pm 5^\circ$.

Miscellaneous

Description of Components:

Wiring: Gauge (#14) TEW/AWM 1015 or 1230 wires, 6" (152mm) minimum exceeding from luminaire.

Hardware: All exposed screws shall be complete with Ceramic primer-seal basecoat to reduce seizing of the parts and offers a high resistance to corrosion. All seals and sealing devices are made and/or lined with EPDM and/or silicone and/or rubber.

Finish: Color to be black textured RAL9005TX (BKTX) and in accordance with the AAMA 2603 standard. Application of polyester powder coat paint (4 mils/100 microns) with ± 1 mils/24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard.

The surface treatment achieves a minimum of 2000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard.

Note: IMPORTANT: All missing details must be clearly specified on the return of these approval drawings. Thank you for your cooperation.

VOLTAGE: _____

LED products manufacturing standard: The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340-5-1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

Quality Control: The manufacturer must provide a written confirmation of its ISO 9001 and ISO 14001 International Quality Standards Certification.

Vibration Resistance: The RN30 meets the ANSI C136.31, 2010, American National Standard for Roadway Luminaire Vibration specifications for Bridge/overpass applications. (Tested for 3G over 100 000 cycles)

City of Aurora (Reference=L87339-1)

LED Wattage and Lumen Values: 3000K Renaissance LED pendant - large (RN20-RN30)

Globe					Type LE2R			Type LE3R			Type LE4R			Type LE5R		
Ordering Code	Total LEDs	System Current (mA)	Color Temp.	Avg System Wattage (W)	Delivered Lumens	BUG Rating	Efficiency (lm/W)	Delivered Lumens	BUG Rating	Efficiency (lm/W)	Delivered Lumens	BUG Rating	Efficiency (lm/W)	Delivered Lumens	BUG Rating	Efficiency (lm/W)
RN30-35W32LED3K-G3	32	350	3000	37	5184	B1-U3-G1	140	5166	B1-U3-G1	140	5185	B1-U3-G1	139	4920	B3-U3-G1	133
RN30-55W32LED3K-G3	32	530	3000	55	7474	B2-U3-G2	136	7448	B2-U3-G2	135	7403	B2-U3-G2	135	7092	B3-U3-G2	129
RN30-72W32LED3K-G3	32	700	3000	71	9322	B2-U3-G2	131	9289	B2-U3-G2	131	9234	B2-U3-G2	130	8846	B4-U3-G2	125
RN30-55W48LED3K-G3	48	350	3000	53	7774	B2-U3-G2	147	7747	B2-U3-G2	146	7701	B2-U3-G2	145	7377	B3-U3-G2	139
RN30-80W48LED3K-G3	48	530	3000	80	11152	B2-U3-G2	139	11113	B2-U3-G2	139	11047	B2-U3-G2	138	10583	B4-U3-G2	132
RN30-108W48LED3K-G3	48	700	3000	105	14099	B3-U3-G3	134	14009	B2-U3-G3	133	13926	B2-U3-G3	133	13341	B4-U3-G3	127
RN30-70W64LED3K-G3	64	350	3000	69	10278	B2-U3-G2	149	10242	B2-U3-G2	148	10181	B2-U3-G2	148	9753	B4-U3-G2	141
RN30-110W64LED3K-G3	64	530	3000	105	14677	B3-U3-G3	140	14626	B3-U3-G3	139	14539	B3-U3-G3	138	13978	B4-U3-G3	133
RN30-145W64LED3K-G3	64	700	3000	140	18424	B3-U3-G3	132	18359	B3-U3-G3	131	18250	B3-U3-G3	130	17484	B5-U3-G3	125
RN30-90W80LED3K-G3	80	350	3000	85	12813	B2-U3-G2	151	12768	B2-U3-G3	150	12692	B2-U3-G3	149	12159	B4-U3-G3	143
RN30-135W80LED3K-G3	80	530	3000	130	18220	B3-U3-G3	140	18156	B3-U3-G3	140	18048	B3-U3-G3	139	17290	B5-U3-G3	133
RN30-180W80LED3K-G3	80	700	3000	175	22746	B3-U3-G3	130	22666	B3-U3-G3	130	22531	B3-U3-G3	129	21585	B5-U3-G3	123

LED Wattage and Lumen Values: 4000K Renaissance LED pendant - large (RN20-RN30)

Globe					Type LE2R			Type LE3R			Type LE4R			Type LE5R		
Ordering Code	Total LEDs	System Current (mA)	Color Temp.	Avg System Wattage (W)	Delivered Lumens	BUG Rating	Efficiency (lm/W)	Delivered Lumens	BUG Rating	Efficiency (lm/W)	Delivered Lumens	BUG Rating	Efficiency (lm/W)	Delivered Lumens	BUG Rating	Efficiency (lm/W)
RN30-35W32LED4K-G3	32	350	4000	37	5444	B1-U3-G1	114	5424	B1-U3-G1	114	5391	B1-U3-G2	114	5166	B3-U3-G2	114
RN30-55W32LED4K-G3	32	530	4000	55	7848	B2-U3-G2	109	7820	B2-U3-G2	109	7773	B1-U3-G2	109	7447	B3-U3-G2	109
RN30-72W32LED4K-G3	32	700	4000	71	9788	B2-U3-G2	110	9754	B2-U3-G2	110	9696	B1-U3-G2	110	9289	B3-U3-G2	110
RN30-55W48LED4K-G3	48	350	4000	53	8303	B2-U3-G2	102	8134	B2-U3-G2	102	8086	B2-U3-G2	102	7746	B4-U3-G2	102
RN30-80W48LED4K-G3	48	530	4000	80	11710	B2-U3-G2	118	11669	B2-U3-G2	118	11599	B2-U3-G3	118	11112	B4-U3-G2	118
RN30-108W48LED4K-G3	48	700	4000	105	14762	B2-U3-G2	114	14710	B2-U3-G2	114	14622	B2-U3-G3	114	14008	B4-U3-G2	114
RN30-70W64LED4K-G3	64	350	4000	69	10792	B3-U3-G3	111	10754	B2-U3-G3	111	10690	B2-U3-G3	111	10241	B4-U3-G3	111
RN30-110W64LED4K-G3	64	530	4000	105	15411	B3-U3-G3	103	15357	B3-U3-G3	103	15268	B2-U3-G3	103	14625	B4-U3-G3	103
RN30-145W64LED4K-G3	64	700	4000	140	19345	B3-U3-G3	118	19277	B3-U3-G3	118	19162	B2-U3-G3	118	18358	B4-U3-G3	118
RN30-90W80LED4K-G3	80	350	4000	85	15454	B3-U3-G3	118	15406	B3-U3-G3	118	15326	B3-U3-G3	118	12767	B5-U3-G3	118
RN30-135W80LED4K-G3	80	530	4000	130	19151	B3-U3-G3	117	19064	B3-U3-G3	117	18950	B3-U3-G3	117	18155	B5-U3-G3	117
RN30-180W80LED4K-G3	80	700	4000	175	23883	B3-U3-G3	112	23799	B3-U3-G3	112	23658	B3-U3-G4	112	22664	B5-U3-G3	112

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; highly recommended to confirm performance with a layout - contact Applications at outdoorlighting.applications@signify.com.

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LUMINAIRE SPECIFICATIONS

STYLE: PARK CENTRAL LED LUMINAIRE
 HEIGHT: 26 7/8"
 WIDTH: 17 5/8" DIAMETER
 MATERIAL: CAST ALUMINUM ALLOY ANSI 356 PER A.S.T.M. B26-95
 GLASS: KEYSLOTTED FROSTED ACRYLIC GLASS
 FINISH: POWDER COAT - PLEASE SPECIFY WITH RAL NUMBER
 LAMPING: PLEASE SELECT WATTAGE BELOW
 VOLTAGE: ELECTRICALLY WIRE AT 120-277 VOLTS
 COLOR TEMP: PLEASE SELECT COLOR TEMPERATURE BELOW
 OPTICAL SYSTEM: PLEASE SELECT DISTRIBUTION BELOW
 SURGE: 100V

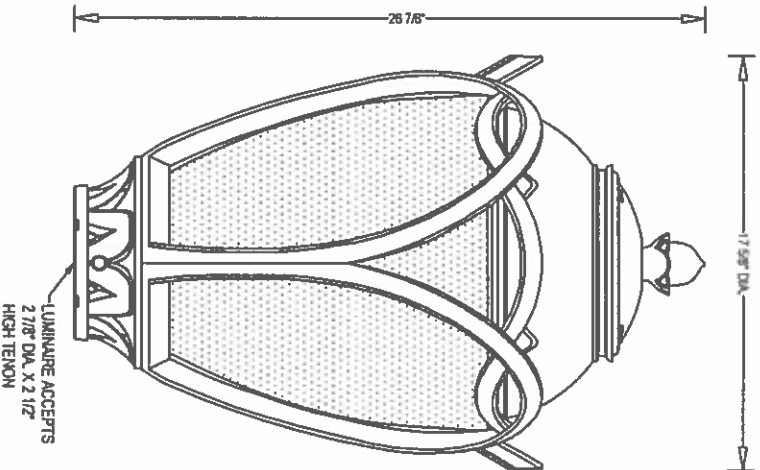
CATALOG NO.: ALMPCL-LE -EVX- . . . YNSF-FCP-CU

CAT. NO.	LED WATTAGE
LE040	40 WATTS
LE060	60 WATTS
LE080	80 WATTS
LE100	100 WATTS
OTHER WATTAGES AVAILABLE UPON REQUEST	

CAT. NO.	OPTICAL SYSTEM
CR3	TYPE III
CR4	TYPE IV
CN5	TYPE V
FM3	TYPE III (FROSTED)
FM4	TYPE IV (FROSTED)

LENG ENGINE DETERMINED BY LAMP ACTUATION

CAT. NO.	COLOR TEMP.
Z2	2200K
Z7	2700K
30	3000K
40	4000K
45	4500K
OTHER COLOR TEMPERATURES AVAILABLE UPON REQUEST	



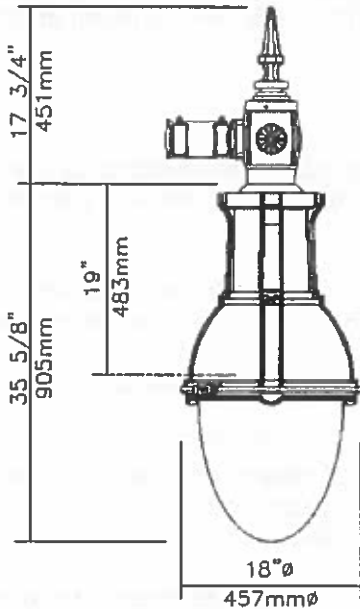
INTEGRATED LIGHTING CONTROL PROVISIONS ARE AVAILABLE UPON REQUEST



Spring City Electrical Mfg. Co.
 HALL AND WARD STREETS - P.O. BOX 18 - SPRING CITY, PA. 17075
 PHONE (610) 544-6691 - FAX (610) 544-5577 - WWW.SPRINGCITYCO.COM

DESCRIPTION

THE PARK CENTRAL LED LUMINAIRE



EPA: 2.63 sq ft / weight: 55 lb (25 kg)
Note: 3D image may not represent color or option selected.
Logos above include link, click to access.

Qty	1	Luminaire	RN30-80W48LED4K-G3-ACDR-LE3R-VOLT-DMG-SMA-BKTX
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Description of Components:

- Roof:** Injection die cast A360.1 aluminium dome, mechanically assembled on the luminaire housing.
- Housing:** In a round shape, this housing is made of injection die cast A360.1 aluminium, complete with a weatherproof door giving a tool-free access to the ballast, without disconnection of wiring, mechanically assembled. This suspension system permits a full rotation of the luminaire in 90 degree increments.
- Access-Mechanism:** Injection die cast A360.1 aluminium frame with latch and hinge, complete with cast-in security block for frame's open position. The mechanism shall offer tool-free access to the inside of the luminaire. An embedded memory-retentive gasket shall ensure weatherproofing.
- Light Engine:** LEDgine composed of 5 main components: **Globe / LED Module / Optical System / Heat Sink / Driver**
Electrical components are RoHS compliant.
- Heat Sink:** Made of cast aluminum optimising the LEDs efficiency and life. Product does not use any cooling device with moving parts (only passive cooling device).
- Globe:** (ACDR), Made of one-piece seamless injection-molded impact-resistant (DR) acrylic having an inner prismatic surface. Complete with a semi-prismatic house side shield and external glare softening prisms. The globe is mechanically assembled and sealed onto the lower part of the heat sink.
- LED Module:** Composed of 48 high-performance white LEDs. Color temperature as per ANSI/NEMA bin Neutral White, 4000 Kelvin nominal (3985K +/- 275K or 3710K to 4260K), CRI 70 Min. 75 Typical.

Optical System: (LE3R), IES type III (asymmetrical). Composed of high-performance optical grade PMMA acrylic refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity. Optical system is rated IP66. Performance shall be tested per LM-63, LM-79 and TM-15 (IESNA) certifying its photometric performance. Street side indicated.

Driver: Driver comes with dimming compatible 0-10 volts.

The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection to the LEDs and the electrical components. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction.

Driver Options: (DMG), Dimming compatible 0-10 volts. For applicable warranty, certification and operation guide see Lumec dimmable luminaire specification document for unapproved device installed by other. To get document, click on this link: [Specification document](https://www.signify.com/b-dam/signify/en-us/brands/lumec/Lumec-un-approved-control-device-installed-by-others-7_d.pdf) or go on web site on this address: https://www.signify.com/b-dam/signify/en-us/brands/lumec/Lumec-un-approved-control-device-installed-by-others-7_d.pdf

Surge Protector: Surge protector tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line-Ground, Line-Neutral and Neutral-Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid-State Street Lighting Consortium) model specification for LED roadway luminaires electrical immunity requirements for High Test Level 10kV / 10kA.

Adaptor: (SMA), Made of cast 356 aluminum, complete with a block connector, mechanically assembled to the bracket. Can be mounted on a 1.66"(42mm) to 2.38"(60mm) outside diameter bracket arm tubing that slip fits 6.5" (165mm) long inside the adaptor, permits an adjustment of $\pm 5^\circ$.

Miscellaneous

Description of Components:

Wiring: Gauge (#14) TEW/AWM 1015 or 1230 wires, 6" (152mm) minimum exceeding from luminaire.

Hardware: All exposed screws shall be complete with Ceramic primer-seal basecoat to reduce seizing of the parts and offers a high resistance to corrosion. All seals and sealing devices are made and/or lined with EPDM and/or silicone and/or rubber.

Finish: Color to be **black textured RAL9005TX (BKTX)** and in accordance with the AAMA 2603 standard. Application of polyester powder coat paint (4 mils/100 microns) with ± 1 mils/24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard.

The surface treatment achieves a minimum of 2000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard.

Note: IMPORTANT: All missing details must be clearly specified on the return of these approval drawings. Thank you for your cooperation.

VOLTAGE: _____

LED products manufacturing standard: The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340-5-1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

Quality Control: The manufacturer must provide a written confirmation of its ISO 9001 and ISO 14001 International Quality Standards Certification.

Vibration Resistance: The RN30 meets the **ANSI C136.31, 2010**, American National Standard for Roadway Luminaire Vibration specifications for Bridge/overpass applications. (Tested for 3G over 100 000 cycles)

LED Wattage and Lumen Values: 3000K Renaissance LED pendant - large (RN20-RN30)

Globe					Type LE2R			Type LE3R			Type LE4R			Type LE5R		
Ordering Code	Total LEDs	System Current (mA)	Color Temp.	Avg System Wattage (W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)
RN30-35W32LED3K-G3	32	350	3000	37	5184	B1-U3-G1	140	5166	B1-U3-G1	140	5136	B1-U3-G1	139	4920	B3-U3-G1	139
RN30-55W32LED3K-G3	32	530	3000	55	7474	B2-U3-G2	136	7448	B2-U3-G2	135	7403	B2-U3-G2	135	7092	B3-U3-G2	129
RN30-72W32LED3K-G3	32	700	3000	71	9322	B2-U3-G2	131	9289	B2-U3-G2	131	9234	B2-U3-G2	130	8846	B4-U3-G2	125
RN30-55W48LED3K-G3	48	350	3000	53	7774	B2-U3-G2	147	7747	B2-U3-G2	146	7701	B2-U3-G2	145	7377	B3-U3-G2	139
RN30-80W48LED3K-G3	48	530	3000	80	11152	B2-U3-G2	139	11113	B2-U3-G2	139	11047	B2-U3-G2	138	10583	B4-U3-G2	132
RN30-108W48LED3K-G3	48	700	3000	105	14059	B3-U3-G3	134	14009	B3-U3-G3	133	13926	B2-U3-G3	133	13341	B4-U3-G3	127
RN30-70W64LED3K-G3	64	350	3000	69	10278	B2-U3-G2	149	10242	B2-U3-G2	148	10181	B2-U3-G2	148	9753	B4-U3-G2	141
RN30-110W64LED3K-G3	64	530	3000	105	14677	B3-U3-G3	140	14626	B3-U3-G3	139	14529	B3-U3-G3	138	13928	B4-U3-G3	133
RN30-145W64LED3K-G3	64	700	3000	140	18424	B3-U3-G3	132	18359	B3-U3-G3	131	18250	B3-U3-G3	130	17484	B5-U3-G3	125
RN30-90W80LED3K-G3	80	350	3000	85	12813	B2-U3-G2	151	12768	B2-U3-G3	150	12692	B2-U3-G3	149	12159	B4-U3-G3	143
RN30-135W80LED3K-G3	80	530	3000	130	18220	B3-U3-G3	140	18156	B3-U3-G3	140	18048	B3-U3-G3	139	17290	B5-U3-G3	133
RN30-180W80LED3K-G3	80	700	3000	175	22746	B3-U3-G3	130	22666	B3-U3-G3	130	22531	B3-U3-G3	129	21585	B5-U3-G3	123

LED Wattage and Lumen Values: 4000K Renaissance LED pendant - large (RN20-RN30)

Globe					Type LE2R			Type LE3R			Type LE4R			Type LE5R		
Ordering Code	Total LEDs	System Current (mA)	Color Temp.	Avg System Wattage (W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)
RN30-35W32LED4K-G3	32	350	4000	37	5444	B1-U3-G1	114	5424	B1-U3-G1	114	5392	B1-U3-G2	114	5166	B3-U3-G2	114
RN30-55W32LED4K-G3	32	530	4000	55	7848	B2-U3-G2	109	7820	B2-U3-G2	109	7773	B1-U3-G2	109	7447	B3-U3-G2	109
RN30-72W32LED4K-G3	32	700	4000	71	9788	B2-U3-G2	110	9754	B2-U3-G2	110	9696	B1-U3-G2	110	9289	B3-U3-G2	110
RN30-55W48LED4K-G3	48	350	4000	53	8163	B2-U3-G2	102	8134	B2-U3-G2	102	8086	B2-U3-G2	102	7746	B4-U3-G2	102
RN30-80W48LED4K-G3	48	530	4000	80	11710	B2-U3-G2	118	11669	B2-U3-G2	118	11599	B2-U3-G3	118	11112	B4-U3-G2	118
RN30-108W48LED4K-G3	48	700	4000	105	14762	B2-U3-G2	114	14710	B2-U3-G2	114	14622	B2-U3-G3	114	14008	B4-U3-G2	114
RN30-70W64LED4K-G3	64	350	4000	69	10792	B3-U3-G3	111	10754	B2-U3-G3	111	10690	B2-U3-G3	111	10241	B4-U3-G3	111
RN30-110W64LED4K-G3	64	530	4000	105	15411	B3-U3-G3	103	15357	B3-U3-G3	103	15266	B2-U3-G3	103	14625	B4-U3-G3	103
RN30-145W64LED4K-G3	64	700	4000	140	19345	B3-U3-G3	118	19277	B3-U3-G3	118	19162	B2-U3-G3	118	18358	B4-U3-G3	118
RN30-90W80LED4K-G3	80	350	4000	85	13454	B3-U3-G3	118	13406	B3-U3-G3	118	13376	B3-U3-G3	118	12767	B5-U3-G3	118
RN30-135W80LED4K-G3	80	530	4000	130	19131	B3-U3-G3	117	19064	B3-U3-G3	117	18950	B3-U3-G3	117	18155	B5-U3-G3	117
RN30-180W80LED4K-G3	80	700	4000	175	23883	B3-U3-G3	112	23799	B3-U3-G3	112	23658	B3-U3-G4	112	22664	B5-U3-G3	112

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; highly recommended to confirm performance with a layout - contact Applications at outdoorlighting.applications@signify.com.

This drawing is property of Spring City Elec. Mfg. and is loaned to the recipient with the understanding that it shall not be copied, duplicated, passed on to unauthorized parties, nor used for any purpose other than that for which it is specifically furnished except with Spring City's written permission.

LAMP POST SPECIFICATIONS

STYLE: MADISON FLARE TOP
 HEIGHT: 12'-6"
 BASE: 18 1/2" DIAMETER
 MATERIAL: PLEASE ADVISE BELOW
 FINISH: PLEASE ADVISE BELOW
 ACCESS DOOR: LOCATED IN BASE SECURED WITH TAMPER PROOF HEX SOCKET SECURITY MACHINE SCREWS
 GROUND PROVISIONS: DRILL AND TAP INSIDE WALL OF BASE OPPOSITE ACCESS DOOR TO ACCOMMODATE A 1/4"-20 GROUND STUD (STUD SUPPLIED BY OTHERS)
 ANCHOR BOLTS: (4) 3/4" DIA. X 24" LONG + 3" HOOK (FULLY GALVANIZED WITH 1 GALVANIZED NUT AND 1 GALVANIZED WASHER PER BOLT)
 BOLT PROJECTION: 3" REQUIRED
 TENON: PLEASE ADVISE BELOW

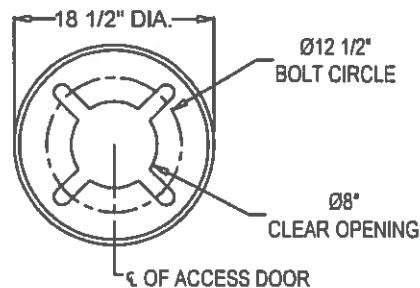
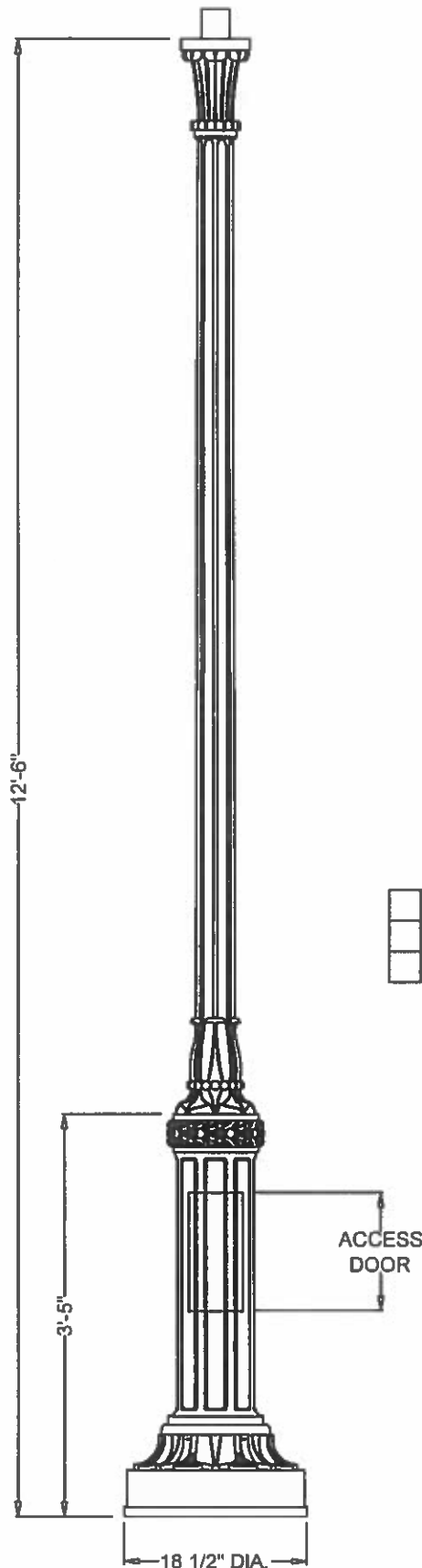
CATALOG NO.:

PSMDS-18-12.50-TN- / -C-

MATERIAL	CAT. NO.
1 PIECE, CAST ALUMINUM ALLOY ANSI 356 PER A.S.T.M. B26-95	A
1 PIECE, CAST IRON PER A.S.T.M. A48-83 CLASS 30	I
1 PIECE, CAST DUCTILE IRON PER A536-84 GRADE 65-45-12	D

TENON	CAT. NO.
2 7/8" DIA. X 3" HIGH	TN2.88/3.00
3" DIA. X 3" HIGH	TN3.00/3.00
3 1/2" DIA. X 3" HIGH	TN3.50/3.00
4" DIA. X 3" HIGH	TN4.00/3.00
X.XX" DIA. X X.XX" HIGH	TNX.XX/X.XX

FINISH	CAT. NO.
POWDER COAT - PLEASE ADVISE RAL #	CU
PRIME PAINT THEN FINISH PAINT SHERWIN WILLIAMS - PLEASE ADVISE COLOR	CW



BASE PLATE DETAIL



Spring City Electrical Mfg. Co.

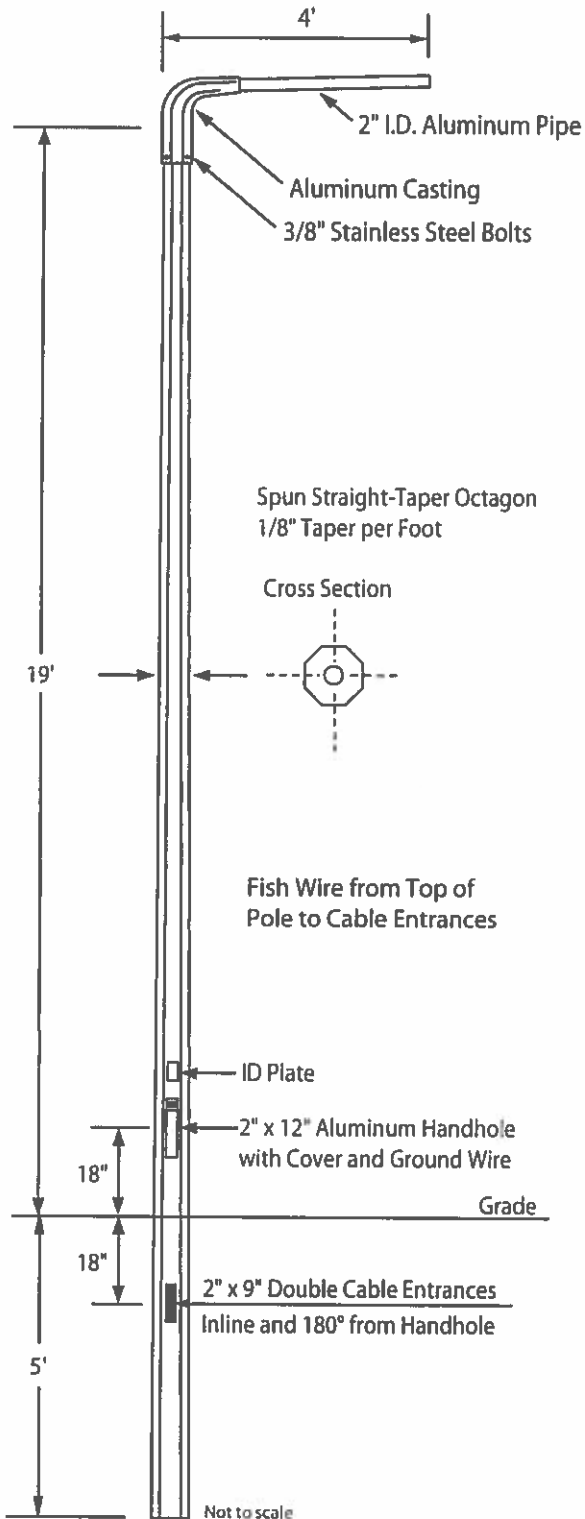
HALL AND MAIN STREETS - P.O. BOX 18 - SPRING CITY, PA. 19478
 PHONE (610) 948-4000 - FAX (610) 948-5677 - WWW.SPRINGCITY.COM

DESCRIPTION

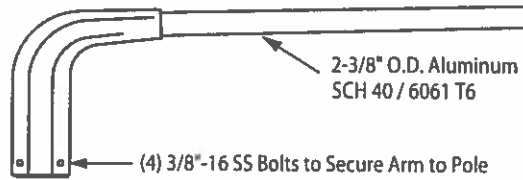
THE MADISON FLARE TOP
 12'-6" LAMP POST

100 Series

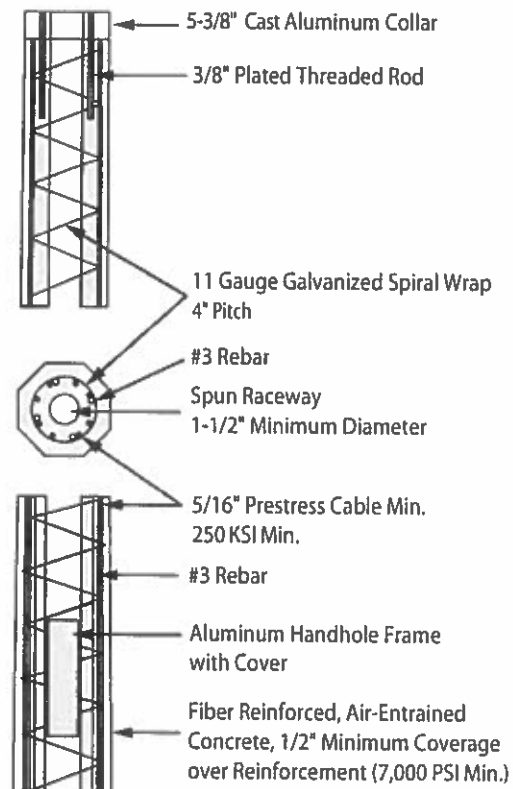
Prestressed, Spun Concrete Light Pole



Davit Arm Detail



Structural Detail



Job: **Aurora**

Pole #: **D119-PG-PA-4D**

Direct Burial 100 Series Concrete Pole
19' Above Ground, 5' Burial
Pearl Gray Color
Polished Finish with Acrylic Sealer
4' Aluminum Davit Arm



PO Box 157
W142 N9110 Fountain Blvd.
Menomonee Falls, WI 53052-0157
(888) 719-7599 toll-free
(262) 250-7599
info@concretepoles.com
www.concretepoles.com

Approved By: _____

Date: _____

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LUMINAIRE SPECIFICATIONS

STYLE: PARK CENTRAL LED LUMINAIRE
 HEIGHT: 26 7/8"
 WIDTH: 17 5/8" DIAMETER
 MATERIAL: CAST ALUMINUM ALLOY ANSI 356 PER A.S.T.M. B26-95
 GLOBE: KEY-SLOTTED FROSTED ACRYLIC GLOBE
 FINISH: POWDER COAT - PLEASE SPECIFY WITH RAL NUMBER
 LAMPING: PLEASE SELECT WATTAGE BELOW
 VOLTAGE: ELECTRICALLY WIRE AT 120-277 VOLTS
 COLOR TEMP: PLEASE SELECT COLOR TEMPERATURE BELOW
 OPTICAL SYSTEM: PLEASE SELECT DISTRIBUTION BELOW
 SURGE: 10kV

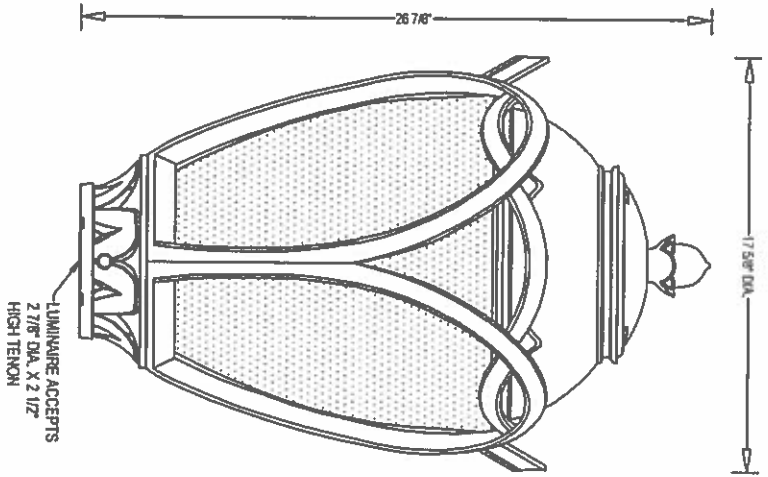
CATALOG NO.: ALMPCL-LE - EVX - - - - -YKSF-FCP-CU

CAT. NO.	LED WATTAGE
LE040	40 WATTS
LE060	60 WATTS
LE080	80 WATTS
LE100	100 WATTS
OTHER WATTAGES AVAILABLE UPON REQUEST	

CAT. NO.	OPTICAL SYSTEM
CR3	TYPE III
CR4	TYPE IV
CN5	TYPE V
FM3	TYPE III (FROSTED)
FM4	TYPE IV (FROSTED)

LIGHT ENGINE RECOMMENDED BY MANUFACTURER

CAT. NO.	COLOR TEMP.
22	2200K
27	2700K
30	3000K
40	4000K
45	4500K
OTHER COLOR TEMPERATURES AVAILABLE UPON REQUEST	



INTEGRATED LIGHTING CONTROL PROVISIONS ARE AVAILABLE UPON REQUEST

Spring City Electrical Mfg. Co.
 WALL AND JUAN STRAINERS - P.O. BOX 13 - SPRING CITY, PA. 18757
 PHONE (610) 544-4070 - FAX (610) 544-6577 - WWW.SPRINGCITYCO.COM

DESCRIPTION THE PARK CENTRAL LED LUMINAIRE



LED WATTAGE CHART

	16L	32L	48L
350 milliamps	-	34w	53w
400 milliamps	21w	-	-
530 milliamps	26w	54w	80w
700 milliamps	33w	71w	104w

The Savannah adds a touch of class and elegance to any Municipal, or Residential Project. Beautiful by day and efficient by night, the Savannah is the perfect street, curbside and pathway solution. Utilizing the latest in LED technology, the Savannah features the patented Star Power optical system with field adjustment capabilities. Savannah's light source facing a residence can be independently concealed by field adjustment so that maximum lighting levels are targeted where needed—on the street, or between fixtures on sidewalks. Also ideal for storefronts alongside the street, Savannah's light source can be easily adjusted on-site allowing light distribution just before a storefront's entrance.

Kelvin temperature offerings include Amber, 2700K, 3000K, 3500K, 4000K and 5000K. The luminaire is powder coated with a textured finish.

The Savannah is available in two different globe designs, three top shades and additional decorative options such as the Filigree + Strut Combo. Shades include 4.38" Cast Finial as standard, powder-coated same finish as fixture. Globe only luminaires have no finial as standard.

BUY AMERICAN

To ensure the latest BAA/TAA/BABA Standards are being met, please select BAA, TAA, or BABA in the options section. Please contact the factory before placing an order for any NLS products requesting BAA (Buy American Act), TAA (Trade American Act), or BABA (Build America, Buy America).







STAR POWER™ OPTICAL SYSTEM

The Star Power™ reflector is an excellent system which provides great value and performance. Star Power Patent number: 10168023

Project Name:

Type:

SAVANNAH-2 ORDERING GUIDE

Cat#	Shade / Lens	Light Dist.	No. of LEDs	Milliamps	Kelvin	
Savannah 2 (SVN-2) 	Shade 1 (SH1) 	Type 3 (T3)	16 (16L)	350 (35)	Amber 585-600nm (AMBER)®	
	Shade 2 (SH2) 	Type 5 (T5)	32 (32L)	400 (40)	2700K, 70 CRI (27K7)	
			48 (48L)	530 (53)	2700K, 80 CRI (27K8)®	
	Shade 3 (SH3) 			700 (7)	3000K, 70 CRI (30K7)	
			Lens Globe 1 (LG1)® Lens Globe 2 (LG2)®			
						3500K, 80 CRI (35K8)®
						4000K, 70 CRI (40K7)
						4000K, 80 CRI (40K8)®
						5000K, 70 CRI (50K7)
						5000K, 80 CRI (50K8)®

Volts	Mounting	Color	Controls	Options
120-277 (UNV)	Post Top Mount Over 3" OD	Bronze Textured (BRZ)	Button Photocell (PC)®	Opal Lens (OPL)
347-480 (HV)	Tenon (PT)	White Textured (WHT)	Nema 7-Pin Receptacle (PE7)	Polycarbonate Lens (PLY)
		Smooth White Gloss (SWT)	Photocell + Receptacle (PCR)	Decorative Filigree + Strut Combo (FSC)
		Silver (SVR)	Receptacle + Shorting Cap (PER)	House Side Shield (HSS)
		Black Textured (BLK)	Custom Controls Integration (CCI)®	Finial (FIN)
		Smooth Black Gloss (SBK)		Terminal Block (TB)
		Graphite Textured (GPH)		Marine Grade Finish (MGF)
		Grey Textured (GRY)		Buy American (BAA)®
		Green (GRN)		Trade American (TAA)®
		Custom (CS)		Build America Buy American (BABA)®

Notes:

- ① Use With or Without Shade
- ② Use Without Shade
- ③ Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.
- ④ Universal Voltage 120-277
- ⑤ Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLinx, Crestron, DMX/RDM, Synapse, Casambi, Dali II, or other control systems)
- ⑥ Turtle Safe
- ⑦ Consult factory for all BAA/TAA/BABA requests

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 701 Kingshill Place, Carson, CA 90746
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PRODUCT SPECIFICATIONS

ELECTRICAL

- 120-277 Volts (UNV) or 347-480 Volts (HV)
- 0-10V dimming driver
- Driver power factor at maximum load is $\geq .95$, THD maximum load is 15%
- LED Drivers Ambient Temp. Min is -40°C and Ambient Temp. Max ranges from 50°C to 55°C and, in some cases, even higher. Consult the factory for revalidation by providing the fixture catalog string before quoting and specifying it.
- All internal wiring UL certified for 600 VAC and 105°C
- CRI 70, 80 or 90
- Color temperatures: Amber, 2700, 3000K, 3500K, 4000K, 5000K
- Surge Protection: 20KA supplied as standard.

CONSTRUCTION

- Cast Aluminum

OPTIONS

- Opal Lens
- Polycarbonate Lens
- Decorative Filigree + Strut Combo
- House Side Shield
- Finial
- Terminal Block
- MARINE GRADE FINISH (MGF) - A multi-step process creating protective finishing coat against harsh environments. Chemically washed in a 5 stage cleaning system. Pre-baked, Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer. Oven Baked. Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.

House Side Shield (HSS) is designed for full property line cut-off.

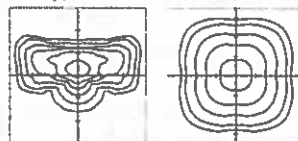
CONTROL OPTIONS

- NEMA 7-PIN RECEPTACLE (PE7)—An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.
- PHOTOCELL + RECEPTACLE (PCR)—7-Pin Receptacle and Electronic Twist Lock Photocell for dusk to dawn operation.
- RECEPTACLE + SHORTING CAP (PER)—7-Pin Receptacle and Shorting Cap.
- PHOTOCELL - Button type photocell.
- Controls Agnostic: Please contact factory for your preferred controls option. (nLight, NX, WaveLinx, Crestron, DMX/RDM, Synapse, Casambi, DALI II, Avi-On, or other control systems)

OPTICS

Recessed Star Power Optical System is 95% reflective material. Utilizes a linear diffused pattern, softening the light distribution and eliminating any dark shadows or striations.

- IES Types



TYPE III (T3)

TYPE V (T5)

FINISH

- 3-5 mils electrostatic powder coat
- NLS Lighting standard high-quality finishes prevent corrosion and protects against extreme environmental conditions

WARRANTY

Five-year limited warranty for drivers and LEDs.

LISTINGS

- Certified to UL 1598
- UL 8750
- CSA C22.2 No. 250.0
- 3G Rated

BUY AMERICAN OPTION

While all of the NLS Lighting products listed in this document qualify for the Buy America(n) Act of 1933, we reserve the right to change our listings without notice.

The information provided above is for general informational purposes only. We encourage you to consult legal professionals for advice particular to your projects concerning BAA, TAA, BABA or Buy America.

Additional NLS Products that meet BAA, TAA standards can be found at the following link:

<https://nlsighting.com/buy-american/>



The information and specifications on this document are subject to change without any notification. All values are design, nominal, typical or prorated values when measured under internal and external laboratory conditions.



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PRODUCT SPECIFICATIONS

SAVANNAH LUMEN DATA CHART

PART NUMBER	T3 LUMENS	T3 LM/W	T5 LUMENS	T5 LM/W	Watts
SVN-X-16L-40-27K7	1896	90	1929	92	21
SVN-X-16L-40-27K8	1775	85	1807	86	21
SVN-X-16L-40-30K8	1903	91	1937	92	21
SVN-X16L-40-30K7	2050	98	2086	99	21
SVN-X-16L-40-35K8	1903	91	1937	92	21
SVN-X-16L-40-40K8	2050	98	2086	99	21
SVN-X-16L-40-40K7	2215	105	2254	107	21
SVN-X-16L-40-50K8	2050	98	2086	99	21
SVN-X-16L-40-50K7	2215	105	2254	107	21
SVN-16L-53-30K7	2444	94	2496	96	26
SVN-16L-53-40K7	2522	97	2600	100	26
SVN-16L-53-50K7	2626	101	2704	104	26
SVN-16L-7-30K7	3102	94	3168	96	33
SVN-16L-7-40K7	3201	97	3300	100	33
SVN-16L-7-50K7	3333	101	3432	104	33
SVN-32L-35-30K7	3196	94	3264	96	34
SVN-32L-35-40K7	3298	97	3400	100	34
SVN-32L-35-50K7	3434	101	3536	104	34
SVN-32L-53-30K7	5076	94	5184	96	54
SVN-32L-53-40K7	5238	97	5400	100	54
SVN-32L-53-50K7	5454	101	5616	104	54
SVN-32L-7-30K7	6674	94	6816	96	71
SVN-32L-7-40K7	6887	97	7100	100	71
SVN-32L-7-50K7	7171	101	7384	104	71
SVN-48L-35-30K7	4982	94	5088	96	53
SVN-48L-35-40K7	5141	97	5300	100	53
SVN-48L-35-50K7	5353	101	5512	104	53
SVN-48L-53-30K7	7520	94	7680	96	80
SVN-48L-53-40K7	7760	97	8000	100	80
SVN-48L-53-50K7	8080	101	8320	104	80
SVN-48L-7-30K7	9776	94	9984	96	104
SVN-48L-7-40K7	10088	97	10480	100	104
SVN-48L-7-50K7	10504	101	10816	104	104

SAVANNAH LUMEN DATA CHART WITH SHADE

PART NUMBER	T3 LUMENS	T3 LM/W	T5 LUMENS	T5 LM/W	Watts
SVN-X-16L-40-27K7	1679	80	1730	82	21
SVN-X-16L-40-27K8	1573	75	1620	77	21
SVN-X-16L-40-30K8	1686	80	1737	83	21
SVN-X16L-40-30K7	1816	86	1870	89	21
SVN-X-16L-40-35K8	1686	80	1737	83	21
SVN-X-16L-40-40K8	1816	86	1870	89	21
SVN-X-16L-40-40K7	1962	93	2021	96	21
SVN-X-16L-40-50K8	1816	86	1870	89	21
SVN-X-16L-40-50K7	1962	93	2021	96	21

Lumen Maintenance Data

Ambient Temperature	Drive Current	L90 Hours*	L70 Hours**	30,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours**
25°C	Up to 700mA	58,000	173,000	95.7%	91.6%	89.6%	82.1%
*Reported extrapolations per IESNA TM-21				**Projected extrapolations per IESNA TM-21			



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PRODUCT SPECIFICATIONS

LENS GLOBES



LENS GLOBE 1



LENS GLOBE 2

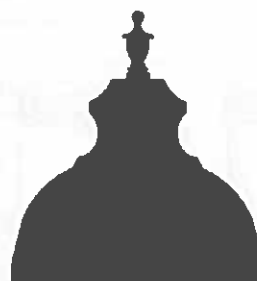
SHADES



SHADE 1



SHADE 2

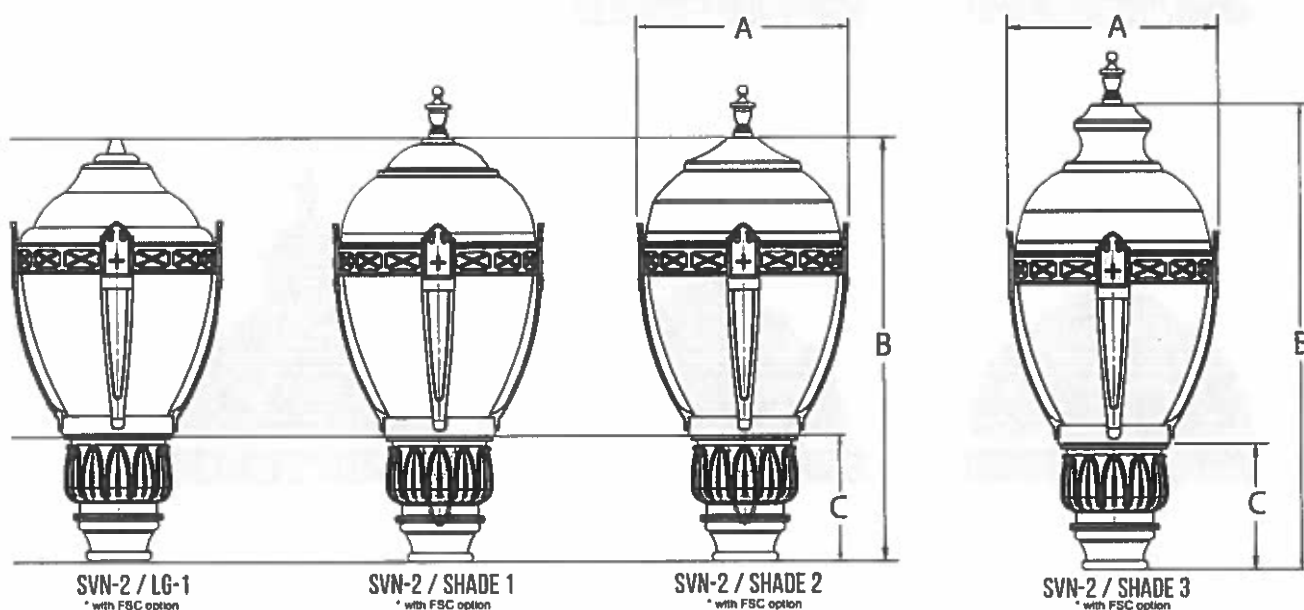


SHADE 3

PRODUCT SPECIFICATIONS

DIMENSIONS			
	A	B	C
SVN-2/LG-1	17.5 in	25.8 in	10.3 in
SVN-2/SH1	17.5 in	34.46 in	10.3 in
SVN-2/SH2	17.5 in	34.46 in	10.3 in
SVN-2/SH3	17.5 in	37.92 in	10.3 in

WEIGHT	34 LBS.
EPA	4.07

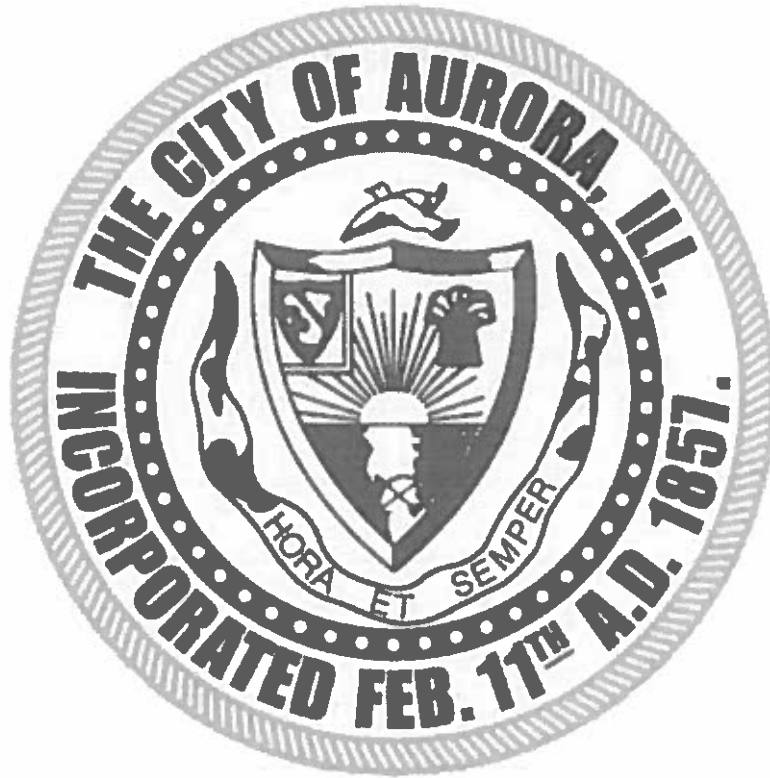


Standard
Cast Finial
for Shades

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**Request for Quotations
24-016**

LIGHTING MATERIALS 2024

**Sealed Quotations Due
Wednesday, February 14, 2024
At 2:00 P.M.**

**City of Aurora
Purchasing Division
44 East Downer Place
Aurora, Illinois**

TABLE OF CONTENTS

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Invitation	1
Bidder's Certification.....	2
Bidder's Tax Certification.....	3
Contact Information.....	Appendix A
Quotation Form.....	Appendix B
Agreement.....	Appendix C
Local Preference Application.....	Appendix D

**City of Aurora
NOTICE TO BIDDERS
24-016**

Time and Place of Opening of Bids

Sealed proposals for the purchase described below will be received at the office of the City Clerk, 44 E Downer Place, First Floor, Aurora, IL 60507 until **2:00 PM, Wednesday, February 14, 2024**. Proposals will be opened and read publicly in the 5th floor conference room at the above address on Wednesday, February 14, 2024 at 2:00 PM for those wishing to attend in person. The bid opening will also be live streamed, access details to be provided to plan holders.

Any bid received by the City Clerk's Office **after 2:00 PM on Wednesday, February 14, 2024** shall be rejected and returned unopened.

Description of Work

Name: Lighting Materials 2024
Aurora, IL

Scope of Services: The City is looking to purchase street lighting materials including fixtures/luminaires, standards/poles, and bollards to be used at various projects and locations throughout Aurora. The City is willing to consider alternative materials (such as other brands) which are generally equivalent to those being requested, but any alternative must be submitted for preapproval prior to bidding. **This contract will be for materials only and will not include installation.**

Bidder Instructions

1. Plans, specifications, and proposal forms may be obtained online at: <https://www.aurora-il.org/bids.aspx>.
2. All questions, including submittal of alternative materials for pre-approval, should be received by the purchasing division by 4 PM Wednesday, February 7, 2024 so that an addendum can be issued Friday, February 9, 2024 if required. All questions received after Wednesday, February 7, 2024 will not be addressed.
3. The City reserves the right to waive technicalities and to reject any or all proposals as provided in Standard Provisions for Bidding Requirements and Conditions for Contract Proposals contained in the "Supplemental Specifications and Recurring Special Provisions".
4. Any bidder who owes the City money may be disqualified at the City's discretion.
5. The City encourages minority business firms to submit proposals and encourages the successful contract bidder to utilize minority businesses as subcontractors for supplies, equipment, services, and construction.
6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.
7. The City of Aurora has a local preference ordinance that would apply to this contract.

By Order of
City Clerk
City of Aurora

**City of Aurora
NOTICE TO BIDDERS
24-016**

Time and Place of Opening of Bids

Sealed proposals for the purchase described below will be received at the office of the City Clerk, 44 E. Downer Place, First Floor, Aurora, IL 60505 until **2:00 PM, Wednesday, February 14, 2024**. Proposals will be opened and read publicly in the 5th floor conference room at the above address on Wednesday, February 14, 2024 at 2:00 PM for those wishing to attend in person. The bid opening will also be live streamed, access details to be provided to plan holders.

Any bid received by the City Clerk's Office **after 2:00 PM on Wednesday, February 14, 2024** shall be rejected and returned unopened.

Description of Work

Name: Lighting Materials 2024
Aurora, IL

Scope of Services: The City is looking to purchase street lighting materials including fixtures/luminaires, standards/poles, and bollards to be used at various projects and locations throughout Aurora. The City is willing to consider alternative materials (such as other brands) which are generally equivalent to those being requested, but any alternative must be submitted for preapproval prior to bidding. **This contract will be for materials only and will not include installation.**

Bidder Instructions

1. Plans, specifications, and proposal forms may be obtained online at: <https://www.aurora-il.org/bids.aspx>.
2. All questions, including submittal of alternative materials for pre-approval, should be received by the purchasing division by 4 PM Wednesday, February 7, 2024 so that an addendum can be issued Friday, February 9, 2024 if required. All questions received after Wednesday, February 7, 2024 will not be addressed.
3. The City reserves the right to waive technicalities and to reject any or all proposals as provided in Standard Provisions for Bidding Requirements and Conditions for Contract Proposals contained in the "Supplemental Specifications and Recurring Special Provisions".
4. Any bidder who owes the City money may be disqualified at the City's discretion.
5. The City encourages minority business firms to submit proposals and encourages the successful contract bidder to utilize minority businesses as subcontractors for supplies, equipment, services, and construction.
6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.
7. The City of Aurora has a local preference ordinance that would apply to this contract.

By Order of
City Clerk
City of Aurora

BIDDER'S CERTIFICATION

I/We hereby certify that:

- A. A complete set of bid papers, as intended, has been received, and that I/We will abide by the contents and/or information received and/or contained herein.
- B. I/We have not entered into any collusion or other unethical practices with any person, firm, or employee of the City which would in any way be construed as unethical business practice.
- C. I/We have adopted a written sexual harassment policy which is in accordance with the requirements of Federal, State and local laws, regulations and policies and further certify that I/We are also in compliance with all other equal employment requirements contained in Public Act 87-1257 (effective July 1, 1993) 775 ILCS 5/2-105 (A).
- D. I/We operate a drug free environment and drugs are not allowed in the workplace or satellite locations as well as City of Aurora sites in accordance with the Drug Free Workplace Act of January, 1992.
- E. The Bidder is not barred from bidding on the Project, or entering into this contract as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code, or any similar offense of "bid rigging" or "bid rotating" of any state or the United States.
- F. I/We will abide by all other Federal, State and local codes, rules, regulations, ordinances and statutes.

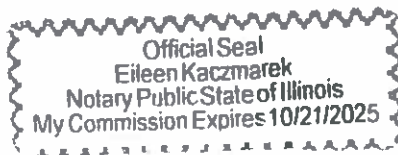
COMPANY NAME Graybar Electric
ADDRESS 1 Pierce Place Suite 800
CITY/STATE/ZIP CODE Itasca, IL 60143
NAME OF CORPORATE/COMPANY OFFICIAL John Sepiol
TITLE Manager of Electrical Business
PLEASE TYPE OR PRINT CLEARLY

AUTHORIZED OFFICIAL SIGNATURE [Signature]
DATE 2-20-24

Subscribed and Sworn to

TELEPHONE (312) 710-8592

Before me this 20 day
of FEBRUARY, 2024



[Signature]
Notary Public

STATE OF ILLINOIS)
)
County of Kane) ss.

BIDDER'S TAX CERTIFICATION

(BIDDER'S EXECUTING OFFICER), being first duly sworn on oath, deposes and states that all statements made herein are made on behalf of the Bidder, that this despondent is authorized to make them and that the statements contained herein are true and correct.

Bidder deposes, states and certifies that Bidder is not barred from contracting with any unit of local government in the State of Illinois as result of a delinquency in payment of any tax administered by the Illinois Department of Revenue unless Bidder is contesting, in accordance with the procedures established by the appropriate statute, its liability for the tax or the amount of the tax, all as provided for in accordance with 65 ILCS 5/11-42.1-1.

DATED this 20th day of February, 2024.

By 
(Signature of Bidder's Executing Officer)

John Sepol
(Print name of Bidder's Executing Officer)

Manager of Electrical Business
(Title)

ATTEST/WITNESS:

By EILEEN KACZMAREK
Title FINANCIAL ASSISTANT

Subscribed and sworn to before me this
20 day of FEBRUARY, 2024.


Notary Public



(SEAL)

CITY OF AURORA, ILLINOIS
24-016
LIGHTING MATERIALS 2024

CONTACT INFORMATION

Vendor shall provide the following contact information assigned to service the City of Aurora account.

Customer Service/General Information: Ph: 630-376-5587

To place an order:

Name: Adam Morrison

Ph: 630-376-5587 Fax: _____

E-mail: adam.morrison@graybar.com

Billing & Invoicing question:

Name: Debi Kane

Ph: 630-671-6285 Fax: _____

E-mail: debi.kane@graybar.com

Questions:

Name: Adam Morrison

Ph: 630-376-5587 Fax: _____

E-mail: adam.morrison@graybar.com

Bidder's Name: Adam Morrison

Signature & Date:  2-20-24

QUOTATION FORM
24-016
LIGHTING MATERIALS 2024

TO: CITY OF AURORA
44 EAST DOWNER PLACE
AURORA, ILLINOIS 60507

1. Proposal of Graybar Electric
for the improvement known as the **Lighting Materials 2024**.
2. In submitting this proposal, the undersigned declares that the only persons or parties interested in the proposal as principals are those named herein, and that the proposal is made without collusion with any person, firm, or corporation.
3. The undersigned further declares that he has carefully examined the proposals, specifications, and special provisions, and that he has familiarized himself with all of the local conditions affecting the contract and detailed requirements, and understands that in making this proposal he waives all right to plead any misunderstanding regarding the same.
4. The undersigned declares that he understands that the quantities mentioned are approximate only, and that they are subject to increase or decrease; that he will take in full payment therefore the amount of the summation of the actual quantities, as finally determined, and multiplied by the unit prices shown in the schedule of prices contained herein.
5. The undersigned agrees that the unit prices submitted herewith are for the purpose of obtaining a gross sum and for use in computing the value of extras and deductions; that if there is a discrepancy between the gross sum bid and that resulting from the summation of the quantities multiplied by their respective unit prices, the latter shall apply.
6. The undersigned agrees that if the City decides to extend or shorten the improvement, or otherwise alter it by extras or deductions, including the elimination of any one or more of the items, as provided in the specifications, he will provide quantities, increased or decreased, at the contract unit prices without claim for profits lost as a result of any work or items eliminated by the City of Aurora.
7. The undersigned submits herewith his schedule of prices covering the components to be provided under this contract, he understands that he must show in the schedule the unit prices for which he proposes to provide each item and that if not done, his proposal may be rejected as irregular or non-responsive.
8. The City of Aurora reserves the right to reject any or all of the bids and to waive any and all irregularities and technicalities. The City of Aurora shall either award the project or reject the bids within ninety (90) calendar days after the bid opening. This time frame may be extended upon mutual agreement of the City and the Bidder.

9. Local Bidder Preference

O18-070, amended by O20-029 approved April 28, 2020 defines "Local business" to mean a vendor or contractor who has a valid, verifiable physical business address located within the corporate boundaries of the City of Aurora at least twelve months prior to a bid or proposal opening date, from which the vendor, contractor or consultant operates or performs business on a daily basis, including manufacturing production or distribution. The business must disclose the percentage of workforce in the City of Aurora; be registered with the City of Aurora, if applicable; be subject to City of Aurora taxes (inclusive of sales taxes); be current with property tax payments and sales tax payments; not have any outside cited code violations; not have any outstanding debts to the City of Aurora; have adequately qualified and trained staff to service the bid of interest.

10. The undersigned of this proposal agrees that he or she has examined all sections of this Request, Specifications, and Bidding Documents and hereby understands and accepts the provisions and shall claim no compensation other than the prices as bid.
11. The undersigned agrees to indemnifying and saving harmless the City of Aurora, its officers, agents, employees, and servants by filing with the City, prior to the execution of the contract, copies of completed Certificates of Insurance satisfactory to the City, with the City of Aurora named as primary, non-contributory additional insured; automobile liability insurance covering owned, non-owned, and hired vehicles with limits of liability as stated in the attached Special Provisions. Bid number 24-016 and title "Lighting Materials 2024" must be referenced on the Certificate of Insurance.
12. No contract will be awarded to any bidder where that bidder or any principal or supervisory personnel of the bidder has been personally involved with another business that has been delinquent or unfaithful in any former contract with the City or where that bidder or any supervisory personnel of the bidder has been personally involved with another business that is a defaulter as surety or otherwise upon obligation to the City.
13. Payment shall be made for materials provided. The City, after inspection and acceptance, and in consideration of the faithful performance by the Bidder, agrees to pay for the materials requested under this contract, payment shall be made in accordance with the Illinois Local Government Prompt Payment Act (50 ILCS 505/1, *et seq.*)

Time, in connection with any discount offered, will be computed from the date of delivery to the City or from the date a correct invoice is received by the City of Aurora Purchasing Division, if the latter date is later than the date of delivery.

Prices will be considered NET, if no payment discount is shown.

The successful Bidder **must** submit invoices via e-mail to:

PurchasingDL@aurora-il.org

or Mail to the following address:

**City of Aurora
Attn: Purchasing Division
44 E. Downer Place
Aurora, IL 60507**

The City of Aurora offers electronic funds transfer (EFT) payment to our vendors. EFT is *our preferred method of payment!*

14. The City reserves the right to cancel the whole or any part of the contract if the Proposer fails to perform any of the provisions in the contract or fails to make delivery within the time stated. The Proposer will not be liable to perform if situations arise by reason of strikes, acts of God or public enemy, acts of the City, fires or floods.
15. The Illinois Freedom of Information Act (FOIA) has been amended and effective January 1, 2010, adds a new provision to Section 7 of the Act which applies to public records in the possession of a party with whom the City of Aurora has contracted. The City of Aurora will have only a very short period of time from receipt of a FOIA request to comply with the request, and there is a significant amount of work required to process a request including collating and reviewing the information. The undersigned acknowledges the requirements of FOIA and agrees to comply with all requests made by the City of Aurora for public records (as that term is defined by Section 2(c) of FOIA) in the undersigned's possession and to provide the requested public records to the City of Aurora within two (2) business days of the request being made by the City of Aurora. The undersigned agrees to indemnify and hold harmless the City of Aurora from all claims, costs, penalty, losses and injuries (including but not limited to, attorney's fees, other professional fees, court costs and/or arbitration or other dispute resolution costs) arising out of or relating to its failure to provide the public records to the City of Aurora under this agreement.
16. The City of Aurora is exempt, by law, from paying State and City Retailer's Occupation Tax, State Service Occupation Tax, State Use Tax and Federal Excise Tax (per Illinois Revised Statutes, Chapter 120, Paragraph 44) upon City works and purchases. The City of Aurora's Sales Tax Exemption Number is E9996-0842-07.
17. The entire set of specifications shall be submitted with each proposal.
18. The undersigned submits herewith this **Schedule of Prices** covering the materials requested under this contract.

CITY OF AURORA

QUOTATION BID PROPOSAL FORM

24-016

LIGHTING MATERIALS 2024

No additional charges over line item net price will be accepted without written approval of the Purchasing Director.

All quotation prices shall be shown as delivered Aurora Destination, Prepaid and Allowed.

Non-quoted items must have price on packing list.

Do not add state, federal or local taxes. Municipalities are exempt. Exemption Certification Permit No. Illinois E9996-0842-07.

Any Bidder who owes the City money may be disqualified at the City's discretion.

The City of Aurora reserves the right at any time and for any reason to cancel this Request for Quotation, to accept or reject any or all Bids or portion thereof, or accept an alternate bid. The City reserves the right to waive any immaterial defect in any bid, or technicality, informality or irregularity in the bids received, and to disregard all nonconforming or conditional bids or counter-proposals. Unless otherwise specified by the bidder or the City, the City reserves the right to hold the best bids for ninety (90) days from the opening date set forth above. The City may seek clarification from any bidder at any time and failure to respond promptly is cause for rejection. The City further reserves the right to award the bid to the lowest responsible Bidder whose offer best responds in quality, fitness and capacity to the requirements of the proposed work or usage and therefore is in the best interest of the City.

QUOTATION SUBMITTED BY

COMPANY Graybar Electric

ADDRESS 1 Pierce Place Suite 800

CITY, STATE, ZIP Itasca, IL 60143

PREPARER'S NAME Adam Morrison
Please Type

EMAIL ADDRESS adam.morrison@graybar.com

CONTACT PERSON Adam Morrison

AUTHORIZED SIGNATURE 
Title

PHONE # (630) 376-5587 FAX # () DATE 2-20-24

CITY OF AURORA
QUOTATION PROPOSAL FORM 24-016
LIGHTING MATERIALS 2024

Please provide pricing for the following lighting materials (including shipping cost). Note that the final quantity of materials anticipated to be purchased under this contract may vary depending on unit pricing provided.

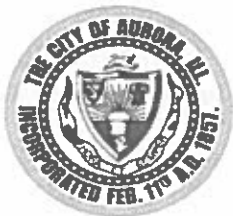
Material	Manufacturer	Model/Catalog Number	Qty	Unit Cost	Subtotal
Pole	Valmont	120040404UB (12') Brookhaven	10		
Pole (2 Arm)	Valmont	DS210-900A400 -(2)-8'LMA- FP/BK-HH-NC-AB w/Alhambra Finial	10		
Pole	StressCrete	E-250-APH-G (20') 535	15		
Bollard	Sentry Electric	SAL-B-BOL-SLOT-INC (Gloss Black)	10		
Fixture	King	K833-75(SSL)8060 120/277V (Black)	40		
Fixture	LV	LPBA-40 LED 4K-V-BK	15		
Fixture	Sentry	SCP-NB-LEDV29BP-07A 803 DR KHT 3 TLR7 BK	20		

Total	
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Complete delivery of product will be received within _____ working days upon receipt of order.

Bidders Name Adam Morrison

Signature & Date  2-20-24



City of Aurora, IL - Local Vendor Preference Application

The business identified below is requesting to be placed on the City of Aurora, Illinois Local Vendor Preference list, in accordance with ordinance O20-029 approved April 28, 2020.

- 1) Date Submitted: _____
- 2) Name of Business: _____
- 3) Address of Local Office: _____
- 4) City, State, Zip: _____
- 5) Company's Web Address: _____
- 6) Phone: _____ Fax: _____
- 7) County your Local Business is Located In: _____

Submitted By (Signature): _____

Print Name and Title: _____

Email Address: _____

Sec. 2-410.-Prequalification; local bidder.

- (a) If an interested business would like to prequalify as a "local business", such a business shall complete and submit the prequalification application along with supporting documentation, as listed below, and the applicable fee as set by the City Council, to the Finance Department:
- a. Evidence that the business has established and maintained a physical presence in the City of Aurora, by virtue of the ownership or lease of all or a portion of a building for a period of not less than twelve (12) consecutive months prior to the submission of the prequalification application; and
 - b. Evidence demonstrating that the business is legally authorized to conduct business within the State of Illinois and the City of Aurora, and has a business registered to operate in the City if required; and
 - c. Evidence that the business is not a debtor to the City of Aurora. For purposes of this subparagraph, a debtor is defined as having outstanding fees, water bills, sales tax or restaurant/bar tax payments that are thirty (30) days or more past due, or has outstanding weed or nuisance abatements or liens, has failure to comply tickets or parking tickets that are not in dispute as to their validity and are not being challenged in court or other administrative processes.

Back up documentation for (a) a. and (a) b. must accompany this submittal or application will be rejected.

Please note for (a) c. above the City of Aurora will verify internally that your company does not have any outstanding fees. Your company should make sure that to the best of its knowledge all bills are current.

Return completed application, with all required backup documentation to:

City of Aurora, Attn: Purchasing Division, 44 E. Downer Place, Aurora, IL 60507

Or email to: PurchasingDL@aurora.il.us

Do not write below this line: For City of Aurora use ONLY

- (a) a.
(a) b.
(a) c.

Date: _____

Approved: _____

Letter Sent: _____

Denied: _____

Initials: _____

City of Aurora

Finance Department | Purchasing Division
44 E Downer Place | Aurora, Illinois & 60507
Phone: (630) 256-3550 | Fax: (630) 256-3559 | Web: www.aurora-il.org



DATE: February 9, 2024
TO: Prospective Bidders
FROM: Jolene Coulter, Director of Purchasing
RE: **CITY OF AURORA INVITATION TO BID 24-016 – Addendum
#1 LIGHTING MATERIALS**

This notice forms a part of the Invitation to Bid 24-016: Lighting Materials. All other information pertaining to this Invitation to Bid shall remain the same.

Scaled Bids will be received at the City of Aurora, Attn: City Clerk, 44 East Downer Place, Aurora, Illinois 60507, until 2:00 pm, CST, Wednesday, ~~February 14, 2024~~ February 21, 2024. It is the sole responsibility of the Bidder to see that their Bid is received by the due date and time. No Late bids will be accepted.

The Bid Opening Date has been extended until February 21, 2024.

An Addendum will be posted on Monday, February 12, 2024 with additional information.

Bid 24-016
Lighting Materials 2024
REVISED Bid opening: 2:00 pm, February 21, 2024

ADDENDUM NO. 2
Page 1 of 2

TO: All Bidders
FROM: Engineering Division, City of Aurora
DATE: February 12, 2024

THIS ADDENDUM FORMS A PART OF THE BIDDING & CONTRACT DOCUMENTS.

1. The City of Aurora received product information for six items which have been proposed as alternatives to the materials requested in the Quotation Proposal Form included with the RFB. Of the six, the City has approved the four products listed on the Revised Quotation Proposal Form included with this Addendum. Product information for these four items is also included.

All respondents shall submit the attached Revised Quotation Proposal Form in-lieu of the original form and can include pricing for any or all of the approved alternatives presented there-in.

City of Aurora Engineering Division

PLEASE ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY FILLING OUT THE FOLLOWING AND SENDING AN E-MAIL TO purchasingDL@aurora.il.us IMMEDIATELY UPON RECEIPT.

COMPANY NAME Graybar Electric

SIGNATURE OF COMPANY REPRESENTATIVE 

CITY OF AURORA
REVISED QUOTATION PROPOSAL FORM 24-016
 LIGHTING MATERIALS 2024

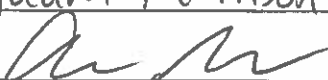
Please provide pricing for the following lighting materials (including shipping cost). Note that the final quantity of materials anticipated to be purchased under this contract may vary depending on unit pricing provided.

Material	Manufacturer	Model/Catalog Number	Qty	Unit Cost	Subtotal
Pole	Valmont*	120040404UB (12') Brookhaven*	10		
Pole (2 Arm)	Valmont	DS210-900A400 -(2)-8'LMA- FP/BK-HH-NC-AB w/Alhambra Finial	10		
Pole	StressCrete	E-250-APH-G (20') 535	15		
Bollard	Sentry Electric**	SAL-B-BOL-SLOT-INC (Gloss Black)**	10		
Fixture	King***	K833-75(SSL)8060 120/277V (Black)***	40		
Fixture	LV	LPBA-40 LED 4K-V-BK	15		
Fixture	Sentry****	SCP-NB-LEDV29BP-07A 803 DR KHT 3 TLR7 BK****	20		

Pricing may also be submitted for any or all of the following approved alternative products (see asterisks for corresponding item to be replaced above):

<i>Pole</i>	<i>Spring City*</i>	<i>The Madison Flare Top*</i>	<i>10</i>	<i>\$3,373.06</i>	<i>\$33,730.60</i>
<i>Bollard</i>	<i>Spring City**</i>	<i>The Madison Lighted LED Bollard**</i>	<i>10</i>	<i>\$2,987.56</i>	<i>\$29,875.60</i>
<i>Fixture</i>	<i>Lumec***</i>	<i>RN30-80W48LED4K-G3-ACDR- LE3R-VOLT-DMG-SMA-BKTX***</i>	<i>40</i>	<i>\$1,956.48</i>	<i>\$78,259.20</i>
<i>Fixture</i>	<i>Spring City****</i>	<i>The Park Central LED Luminaire****</i>	<i>20</i>	<i>\$1,800.00</i>	<i>\$36,000.00</i>

Total	\$177,865.40
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Bidders Name Adam Morrison
 Signature & Date  2-20-24

Material	Manufacturer	Model/Catalog Number	Alternative Manufacturer	Alternative Model/Catalog Number	Qty	Unit Cost	Subtotal
Pole	Valmont*	120040404UB (12') Brookhaven*	Spring City	PSMD-18- 12.50-TN2.88- 2.50-CU	10	\$3,373.06	\$33,730.60
Pole (2 Arm)	Valmont	DS210- 900A400 -(2)- 8'LMAFP/BK- HH-NC-AB w/Alhambra Finial	Union Metal	B99 DESIGN SERIES	10	\$5,782.38	\$57,823.80
Pole	StressCrete	E-250-APH-G (20') 535	Traditional Concrete	D119-PG-PA-4D	15	\$1,923.32	\$28,849.80
Bollard	Sentry Electric**	SAL-B-BOL- SLOT-INC (Gloss Black)**	Spring City	ABDMDS-18- 3.58-LT- LE020/EVX/1BL- 30-YCLO-CU	10	\$2,987.56	\$29,875.60
Fixture	King	K833- 75(SSL)8060 120/277V (Black)***	Lumec	RN30- 80W48LED4K- G3-ACDR-LE3R- VOLT-DMG- SMA-BKTX	40	\$1,956.48	\$78,259.20
Fixture	LV	LPBA-40 LED 4K-V-BK	NLS Lighting	SVN-2-LG2-T5- 48L-53-30K7- UNV-PT-BLK-FIN	15	\$867.36	\$13,010.40
Fixture	Sentry****	SCP-NB- LEDV29BP-07A 803 DR KHT 3 TLR7 BK****	Spring City	ALMPCL-LE040- EVX-2G2-30- YKSF-CR3-TR7P- CU	20	\$1,800.00	\$36,000.00

Total	\$277,549.40
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This drawing is property of Spring City Elect. Mfg. and is loaned to the recipient with the understanding that it shall not be copied, duplicated, passed on to noncontractual parties, nor used for any purpose other than that for which it is specifically furnished except with Spring City's written permission.

LAMP POST SPECIFICATIONS

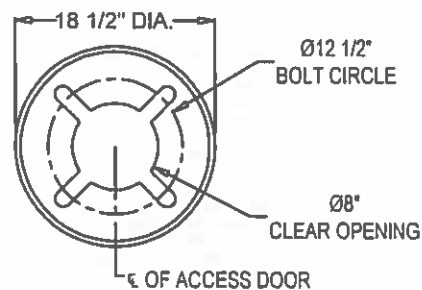
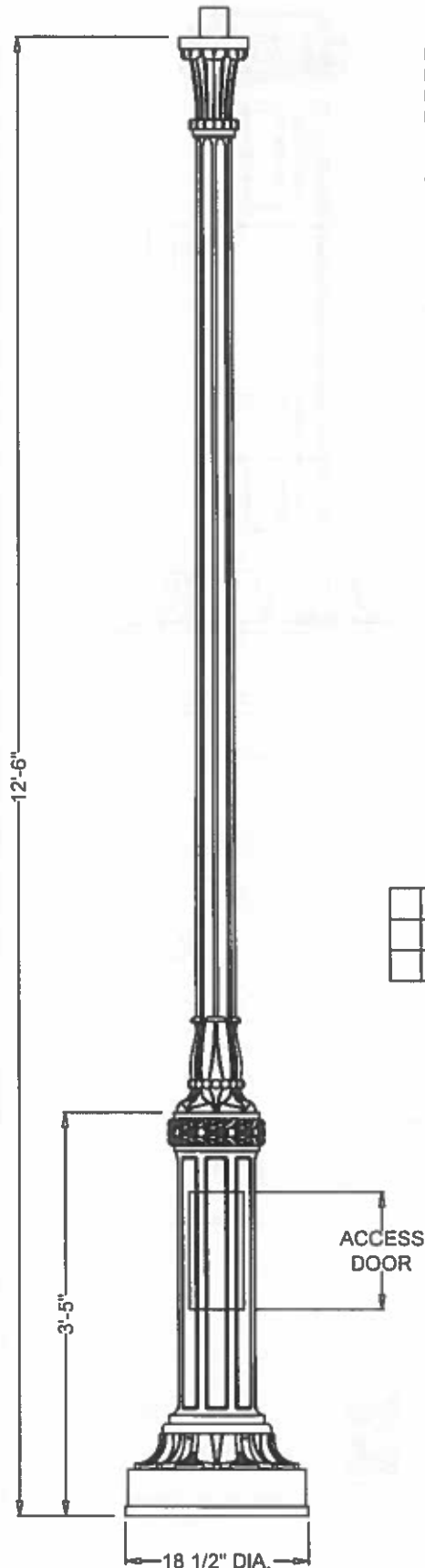
STYLE: MADISON FLARE TOP
 HEIGHT: 12'-6"
 BASE: 18 1/2" DIAMETER
 MATERIAL: PLEASE ADVISE BELOW
 FINISH: PLEASE ADVISE BELOW
 ACCESS DOOR: LOCATED IN BASE SECURED WITH TAMPER PROOF
 HEX SOCKET SECURITY MACHINE SCREWS
 GROUND PROVISIONS: DRILL AND TAP INSIDE WALL OF BASE OPPOSITE ACCESS DOOR TO
 ACCOMMODATE A 1/4"-20 GROUND STUD (STUD SUPPLIED BY OTHERS)
 ANCHOR BOLTS: (4) 3/4" DIA. X 24" LONG + 3" HOOK (FULLY GALVANIZED WITH
 1 GALVANIZED NUT AND 1 GALVANIZED WASHER PER BOLT)
 BOLT PROJECTION: 3" REQUIRED
 TENON: PLEASE ADVISE BELOW

CATALOG NO.: PSMDS-18-12.50-TN- / -C

MATERIAL	CAT. NO.
1 PIECE, CAST ALUMINUM ALLOY ANSI 356 PER A.S.T.M. B26-95	A
1 PIECE, CAST IRON PER A.S.T.M. A48-83 CLASS 30	I
1 PIECE, CAST DUCTILE IRON PER A536-84 GRADE 65-45-12	D

TENON	CAT. NO.
2 7/8" DIA. X 3" HIGH	TN2.88/3.00
3" DIA. X 3" HIGH	TN3.00/3.00
3 1/2" DIA. X 3" HIGH	TN3.50/3.00
4" DIA. X 3" HIGH	TN4.00/3.00
X.XX" DIA. X X.XX" HIGH	TNX.XXX/X.XX

FINISH	CAT. NO.
POWDER COAT - PLEASE ADVISE RAL #	CU
PRIME PAINT THEN FINISH PAINT SHERWIN WILLIAMS - PLEASE ADVISE COLOR	CW



BASE PLATE DETAIL



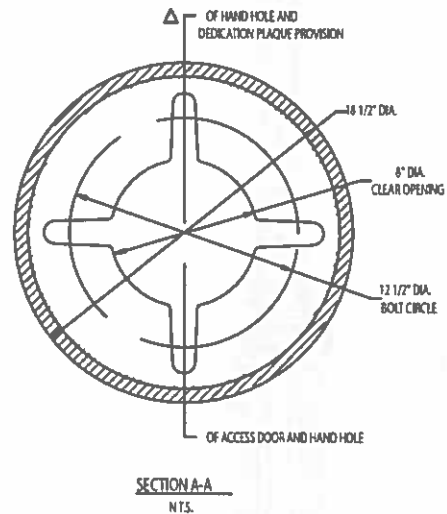
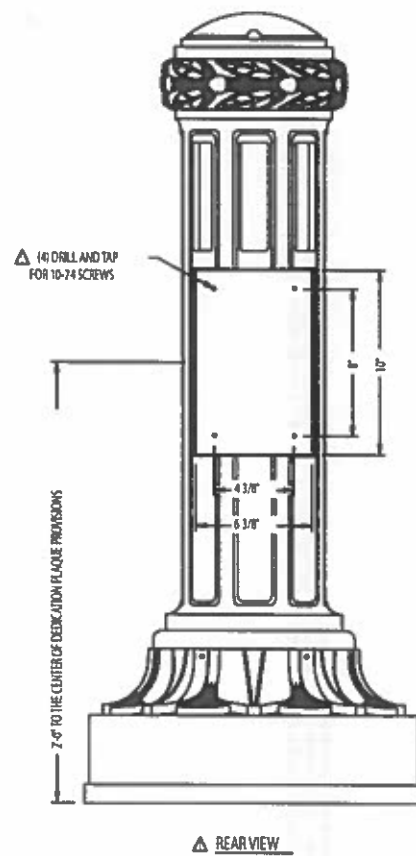
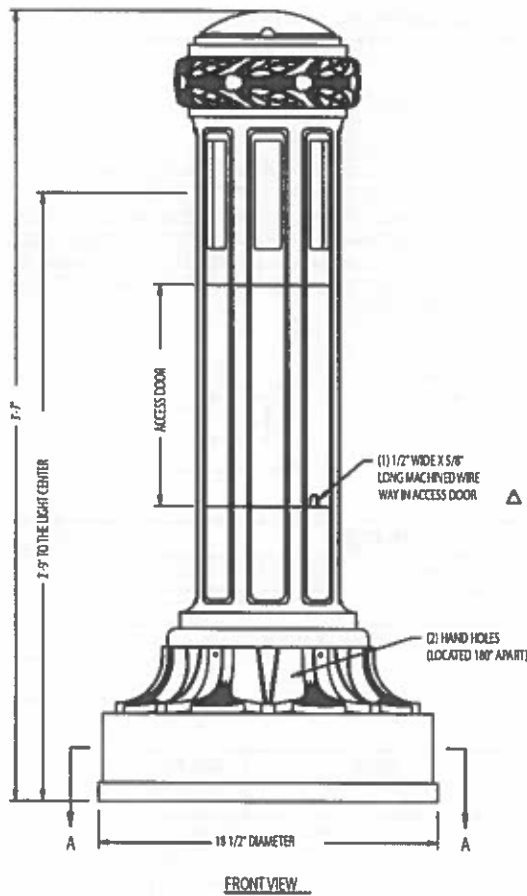
Spring City Electrical Mfg. Co.

HALL AND MAIN STREETS - P.O. BOX 19 - SPRING CITY, PA. 19475
 PHONE (610) 948-4000 - FAX (610) 948-5577 - WWW.SPRINGCITY.COM

DESCRIPTION


THE MADISON FLARE TOP
 12'-6" LAMP POST

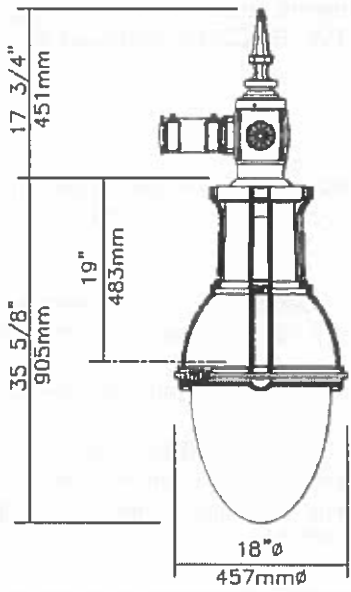
This drawing is property of Spring City Elect. Mfg. and is issued to the recipient with the understanding that it shall not be copied, duplicated, passed on to unauthorized parties, nor used for any purpose other than that for which it is specifically furnished except with Spring City's written permission.



BOLLARD SPECIFICATIONS

STYLE:	MADISON
HEIGHT:	3'-7"
LIGHT CENTER:	2'-9"
BASE:	18 1/2" DIAMETER
MATERIAL:	CAST DUCTILE IRON PER A.S.T.M. A536-84 GRADE 65-45-12
CYLINDER:	FROSTED ACRYLIC
FINISH:	PRIME PAINT THEN FINISH PAINT, SHERWIN WILLIAMS ACROLON - CLASSIC BLACK
LAMPING:	25 LED SYSTEM
VOLTAGE:	ELECTRONICALLY WIRED AT 120-277 VOLTS
COLOR TEMP:	4500K
DISTRIBUTION:	TYPE Y (SYMMETRIC DISTRIBUTION)
ACCESS DOOR:	LOCATED IN BASE SECURED WITH TAMPER PROOF HEX SOCKET SECURITY MACHINE SCREWS
GROUND PROVISIONS:	DRILL AND TAP INSIDE WALL OF BASE OPPOSITE ACCESS DOOR TO ACCOMMODATE A 1/4"-20 GROUND STUD (GROUND STUD SUPPLIED BY OTHERS)
ANCHOR BOLTS:	(4) 3/4" DIA. X 2'-0" LONG + 3" HOOK (FULLY GALVANIZED WITH 1 GALVANIZED NUT AND 1 GALVANIZED WASHER PER BOLT)
BOLT PROJECTION:	3" REQUIRED
CATALOG NO.:	DBDMDS-18-3.58-17-LED25-FVX7X1-45-CNS-YCLF-PP-CB

REVISED BY: BLJR	DATE: 07-29-2014
 Spring City Electrical Mfg. Co. 1 HALL AND MAIN STREETS - P.O. BOX 19 - SPRING CITY, PA. 15475 PHONE (610) 848-4020 - FAX (610) 848-4377 - WWW.SPRINGCITY.COM	
DESCRIPTION	THE MADISON LIGHTED LED BOLLARD WITH DEDICATION PLAQUE PROVISIONS
CUSTOMER	
JOB	
SCALE	DRAWN BY: DATE DRAWING NO.
N.T.S.	D.J.C. 05-20-14



EPA: 2.63 sq ft / weight: 55 lb (25 kg)
Note: 3D image may not represent color or option selected.
Logos above include link, click to access.

Qty	1	Luminaire	RN30-80W48LED4K-G3-ACDR-LE3R-VOLT-DMG-SMA-BKTX
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Description of Components:

- Roof:** Injection die cast A360.1 aluminium dome, mechanically assembled on the luminaire housing.
- Housing:** In a round shape, this housing is made of injection die cast A360.1 aluminium, complete with a weatherproof door giving a tool-free access to the ballast, without disconnection of wiring, mechanically assembled. This suspension system permits a full rotation of the luminaire in 90 degree increments.
- Access-Mechanism:** Injection die cast A360.1 aluminium frame with latch and hinge, complete with cast-in security block for frame's open position. The mechanism shall offer tool-free access to the inside of the luminaire. An embedded memory-retentive gasket shall ensure weatherproofing.
- Light Engine:** LEDgine composed of 5 main components: **Globe / LED Module / Optical System / Heat Sink / Driver**
Electrical components are RoHS compliant.
- Heat Sink:** Made of cast aluminum optimising the LEDs efficiency and life. Product does not use any cooling device with moving parts (only passive cooling device).
- Globe:** (ACDR), Made of one-piece seamless injection-molded impact-resistant (DR) acrylic having an inner prismatic surface. Complete with a semi-prismatic house side shield and external glare softening prisms. The globe is mechanically assembled and sealed onto the lower part of the heat sink.
- LED Module:** Composed of 48 high-performance white LEDs. Color temperature as per ANSI/NEMA bin Neutral White, 4000 Kelvin nominal (3985K +/- 275K or 3710K to 4260K), CRI 70 Min. 75 Typical.

City of Aurora (Reference=L87339-1)

Optical System: (LE3R), IES type III (asymmetrical). Composed of high-performance optical grade PMMA acrylic refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity. Optical system is rated IP66. Performance shall be tested per LM-63, LM-79 and TM-15 (IESNA) certifying its photometric performance. Street side indicated.

Driver: Driver comes with dimming compatible 0-10 volts.

The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection to the LEDs and the electrical components. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction.

Driver Options: (DMG), Dimming compatible 0-10 volts. For applicable warranty, certification and operation guide see Lumec dimmable luminaire specification document for unapproved device installed by other. To get document, click on this link: [Specification document](#) or go on web site on this address: https://www.signify.com/b-dam/signify/en-us/brands/lumec/Lumec-un-approved-control-device-installed-by-others-7_d.pdf

Surge Protector: Surge protector tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line-Ground, Line-Neutral and Neutral-Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid-State Street Lighting Consortium) model specification for LED roadway luminaires electrical immunity requirements for High Test Level 10kV / 10kA.

Adaptor: (SMA), Made of cast 356 aluminum, complete with a block connector, mechanically assembled to the bracket. Can be mounted on a 1.66"(42mm) to 2.38"(60mm) outside diameter bracket arm tubing that slip fits 6.5" (165mm) long inside the adaptor, permits an adjustment of $\pm 5^\circ$.

Miscellaneous

Description of Components:

Wiring: Gauge (#14) TEW/AWM 1015 or 1230 wires, 6" (152mm) minimum exceeding from luminaire.

Hardware: All exposed screws shall be complete with Ceramic primer-seal basecoat to reduce seizing of the parts and offers a high resistance to corrosion. All seals and sealing devices are made and/or lined with EPDM and/or silicone and/or rubber.

Finish: Color to be **black textured RAL9005TX (BKTX)** and in accordance with the AAMA 2603 standard. Application of polyester powder coat paint (4 mils/100 microns) with ± 1 mils/24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard.

The surface treatment achieves a minimum of 2000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard.

Note: IMPORTANT: All missing details must be clearly specified on the return of these approval drawings. Thank you for your cooperation.

VOLTAGE:_____

LED products manufacturing standard: The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340-5-1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

Quality Control: The manufacturer must provide a written confirmation of its ISO 9001 and ISO 14001 International Quality Standards Certification.

Vibration Resistance: The RN30 meets the **ANSI C136.31, 2010**, American National Standard for Roadway Luminaire Vibration specifications for Bridge/overpass applications. (Tested for 3G over 100 000 cycles)

LED Wattage and Lumen Values: 3000K Renaissance LED pendant - large (RN20-RN30)

Globe					Type LE2R			Type LE3R			Type LE4R			Type LE5R		
Ordering Code	Total LEDs	System Current (mA)	Color Temp.	Avg System Wattage (W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)
RN30-35W32LED3K-G3	32	350	3000	37	5184	B1-U3-G1	140	5166	B1-U3-G1	140	5135	B1-U3-G1	139	4920	B3-U3-G1	133
RN30-55W32LED3K-G3	32	530	3000	55	7474	B2-U3-G2	136	7448	B2-U3-G2	135	7403	B2-U3-G2	135	7092	B3-U3-G2	129
RN30-72W32LED3K-G3	32	700	3000	71	9322	B2-U3-G2	131	9289	B2-U3-G2	131	9234	B2-U3-G2	130	8846	B4-U3-G2	125
RN30-55W48LED3K-G3	48	350	3000	53	7774	B2-U3-G2	147	7747	B2-U3-G2	146	7701	B2-U3-G2	145	7377	B3-U3-G2	139
RN30-80W48LED3K-G3	48	530	3000	80	11152	B2-U3-G2	139	11113	B2-U3-G2	139	11047	B2-U3-G2	138	10583	B4-U3-G2	132
RN30-106W48LED3K-G3	48	700	3000	105	14059	B3-U3-G3	134	14009	B2-U3-G3	133	13926	B2-U3-G3	133	13341	B4-U3-G3	127
RN30-70W64LED3K-G3	64	350	3000	69	10278	B2-U3-G2	149	10242	B2-U3-G2	148	10181	B2-U3-G2	148	9753	B4-U3-G2	141
RN30-110W64LED3K-G3	64	530	3000	105	14677	B3-U3-G3	140	14626	B3-U3-G3	139	14539	B3-U3-G3	138	13928	B4-U3-G3	133
RN30-145W64LED3K-G3	64	700	3000	140	18424	B3-U3-G3	132	18359	B3-U3-G3	131	18250	B3-U3-G3	130	17484	B5-U3-G3	125
RN30-90W80LED3K-G3	80	350	3000	85	12813	B2-U3-G2	151	12768	B2-U3-G3	150	12692	B2-U3-G3	149	12159	B4-U3-G3	143
RN30-135W80LED3K-G3	80	530	3000	130	18220	B3-U3-G3	140	18156	B3-U3-G3	140	18048	B3-U3-G3	139	17290	B5-U3-G3	133
RN30-180W80LED3K-G3	80	700	3000	175	22746	B3-U3-G3	130	22666	B3-U3-G3	130	22531	B3-U3-G3	129	21585	B5-U3-G3	123

LED Wattage and Lumen Values: 4000K Renaissance LED pendant - large (RN20-RN30)

Globe					Type LE2R			Type LE3R			Type LE4R			Type LE5R		
Ordering Code	Total LEDs	System Current (mA)	Color Temp.	Avg System Wattage (W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)
RN30-35W32LED4K-G3	32	350	4000	37	5444	B1-U3-G1	114	5424	B1-U3-G1	114	5392	B1-U3-G2	114	5166	B3-U3-G2	114
RN30-55W32LED4K-G3	32	530	4000	55	7848	B2-U3-G2	109	7820	B2-U3-G2	109	7773	B1-U3-G2	109	7447	B3-U3-G2	109
RN30-72W32LED4K-G3	32	700	4000	71	9788	B2-U3-G2	110	9754	B2-U3-G2	110	9696	B1-U3-G2	110	9289	B3-U3-G2	110
RN30-55W48LED4K-G3	48	350	4000	53	8163	B2-U3-G2	102	8134	B2-U3-G2	102	8086	B2-U3-G2	102	7746	B4-U3-G2	102
RN30-80W48LED4K-G3	48	530	4000	80	11710	B2-U3-G2	118	11669	B2-U3-G2	118	11599	B2-U3-G3	118	11112	B4-U3-G2	118
RN30-106W48LED4K-G3	48	700	4000	105	14762	B2-U3-G2	114	14710	B2-U3-G2	114	14622	B2-U3-G3	114	14008	B4-U3-G2	114
RN30-70W64LED4K-G3	64	350	4000	69	10792	B3-U3-G3	111	10754	B2-U3-G3	111	10690	B2-U3-G3	111	10241	B4-U3-G3	111
RN30-110W64LED4K-G3	64	530	4000	105	15411	B3-U3-G3	103	15357	B3-U3-G3	103	15266	B2-U3-G3	103	14625	B4-U3-G3	103
RN30-145W64LED4K-G3	64	700	4000	140	19345	B3-U3-G3	118	19277	B3-U3-G3	118	19162	B2-U3-G3	118	18358	B4-U3-G3	118
RN30-90W80LED4K-G3	80	350	4000	85	13454	B3-U3-G3	118	13406	B3-U3-G3	118	13326	B3-U3-G3	118	12767	B5-U3-G3	118
RN30-135W80LED4K-G3	80	530	4000	130	19131	B3-U3-G3	117	19064	B3-U3-G3	117	18950	B3-U3-G3	117	18155	B5-U3-G3	117
RN30-180W80LED4K-G3	80	700	4000	175	23883	B3-U3-G3	112	23799	B3-U3-G3	112	23658	B3-U3-G4	112	22664	B5-U3-G3	112

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; highly recommended to confirm performance with a layout - contact Applications at outdoorlighting_applications@signify.com.

The drawing is property of Spring City Electrical Mfg. Co. and is loaned to the recipient with the understanding that it shall not be copied, duplicated, passed on to unaffiliated parties, nor used for any purpose other than that for which it is specifically furnished except with Spring City's written permission.

LUMINAIRE SPECIFICATIONS

STYLE: PARK CENTRAL LED LUMINAIRE
HEIGHT: 25.78"
WIDTH: 17.58" DIAMETER
MATERIAL: CAST ALUMINUM ALLOY ANSI 356 PER A.S.T.M. B26-95
GLOBE: KEYSLOTTED FROSTED ACRYLIC GLOBE
FINISH: POWDER COAT - PLEASE SPECIFY WITH RAL NUMBER
LAMPING: PLEASE SELECT WATTAGE BELOW
VOLTAGE: ELECTRICALLY WIRE AT 120-277 VOLTS
COLOR TEMP: PLEASE SELECT COLOR TEMPERATURE BELOW
OPTICAL SYSTEM: PLEASE SELECT DISTRIBUTION BELOW
SURGE: 10KV

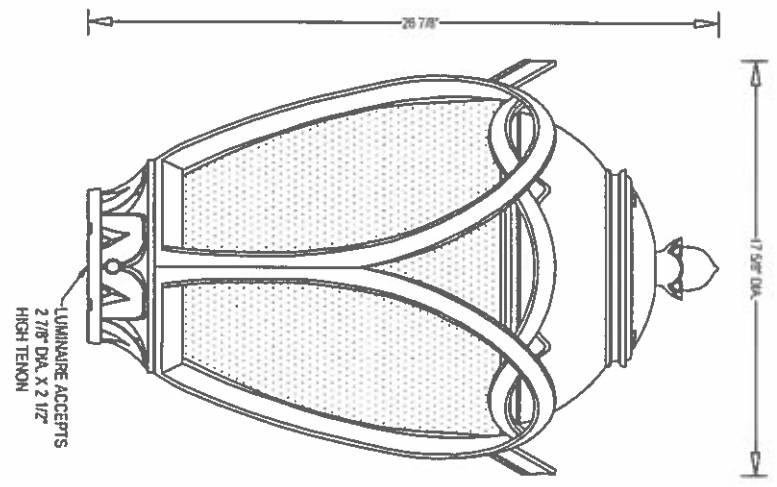
CATALOG NO. ALMPCL-LE-EVX-KNSF-FCP-CU

CAT. NO.	LED WATTAGE
LE040	40 WATTS
LE060	60 WATTS
LE080	80 WATTS
LE100	100 WATTS
OTHER WATTAGES AVAILABLE UPON REQUEST	

CAT. NO.	OPTICAL SYSTEM
CR3	TYPE III
CR4	TYPE IV
CN5	TYPE V
FM3	TYPE III (FROSTED)
FM4	TYPE IV (FROSTED)

LEAD ENGINE DETERMINED BY MANUFACTURER

CAT. NO.	COLOR TEMP.
22	2200K
27	2700K
30	3000K
40	4000K
45	4500K
OTHER COLOR TEMPERATURES AVAILABLE UPON REQUEST	

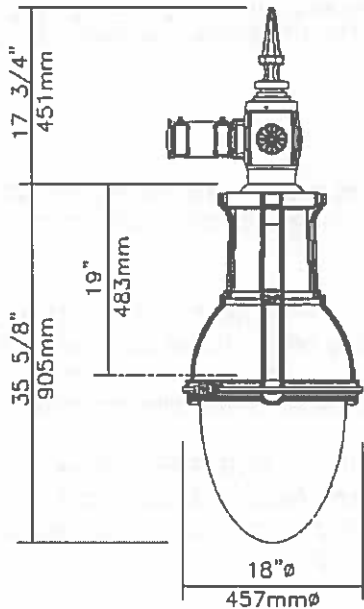


INTEGRATED LIGHTING CONTROL PROVISIONS ARE AVAILABLE UPON REQUEST



Spring City Electrical Mfg. Co.
HALL AND JURY STREET, P.O. BOX 113 - SPRING CITY, PA. 17375
PHONE (717) 246-0079 - FAX (717) 246-5677 - WWW.SPRINGCITY.COM

DESCRIPTION THE PARK CENTRAL LED LUMINAIRE



EPA: 2.63 sq ft / weight: 55 lb (25 kg)
Note: 3D image may not represent color or option selected.
Logos above include link, click to access.

Qty	1	Luminaire	RN30-80W48LED4K-G3-ACDR-LE3R-VOLT-DMG-SMA-BKTX
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Description of Components:

Roof: Injection die cast A360.1 aluminium dome, mechanically assembled on the luminaire housing.

Housing: In a round shape, this housing is made of injection die cast A360.1 aluminium, complete with a weatherproof door giving a tool-free access to the ballast, without disconnection of wiring, mechanically assembled. This suspension system permits a full rotation of the luminaire in 90 degree increments.

Access-Mechanism: Injection die cast A360.1 aluminium frame with latch and hinge, complete with cast-in security block for frame's open position. The mechanism shall offer tool-free access to the inside of the luminaire. An embedded memory-retentive gasket shall ensure weatherproofing.

Light Engine: LEDgine composed of 5 main components: **Globe / LED Module / Optical System / Heat Sink / Driver**
Electrical components are RoHS compliant.

Heat Sink: Made of cast aluminum optimising the LEDs efficiency and life. Product does not use any cooling device with moving parts (only passive cooling device).

Globe: (ACDR), Made of one-piece seamless injection-molded impact-resistant (DR) acrylic having an inner prismatic surface. Complete with a semi-prismatic house side shield and external glare softening prisms. The globe is mechanically assembled and sealed onto the lower part of the heat sink.

LED Module: Composed of 48 high-performance white LEDs. Color temperature as per ANSI/NEMA bin Neutral White, 4000 Kelvin nominal (3985K +/- 275K or 3710K to 4260K), CRI 70 Min. 75 Typical.

Optical System: (LE3R), IES type III (asymmetrical). Composed of high-performance optical grade PMMA acrylic refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity. Optical system is rated IP66. Performance shall be tested per LM-63, LM-79 and TM-15 (IESNA) certifying its photometric performance. Street side indicated.

Driver: Driver comes with dimming compatible 0-10 volts.

The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection to the LEDs and the electrical components. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction.

Driver Options: (DMG), Dimming compatible 0-10 volts. For applicable warranty, certification and operation guide see Lumec dimmable luminaire specification document for unapproved device installed by other. To get document, click on this link: [Specification document](#) or go on web site on this address: https://www.signify.com/b-dam/signify/en-us/brands/lumec/Lumec-un-approved-control-device-installed-by-others-7_d.pdf

Surge Protector: Surge protector tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line-Ground, Line-Neutral and Neutral-Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid-State Street Lighting Consortium) model specification for LED roadway luminaires electrical immunity requirements for High Test Level 10kV / 10kA.

Adaptor: (SMA), Made of cast 356 aluminum, complete with a block connector, mechanically assembled to the bracket. Can be mounted on a 1.66"(42mm) to 2.38"(60mm) outside diameter bracket arm tubing that slip fits 6.5" (165mm) long inside the adaptor, permits an adjustment of $\pm 5^\circ$.

Miscellaneous

Description of Components:

Wiring: Gauge (#14) TEW/AWM 1015 or 1230 wires, 6" (152mm) minimum exceeding from luminaire.

Hardware: All exposed screws shall be complete with Ceramic primer-seal basecoat to reduce seizing of the parts and offers a high resistance to corrosion. All seals and sealing devices are made and/or lined with EPDM and/or silicone and/or rubber.

Finish: Color to be **black textured RAL9005TX (BKTX)** and in accordance with the AAMA 2603 standard. Application of polyester powder coat paint (4 mils/100 microns) with ± 1 mils/24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard.

The surface treatment achieves a minimum of 2000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard.

Note: IMPORTANT: All missing details must be clearly specified on the return of these approval drawings. Thank you for your cooperation.

VOLTAGE:_____

LED products manufacturing standard: The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340-5-1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

Quality Control: The manufacturer must provide a written confirmation of its ISO 9001 and ISO 14001 International Quality Standards Certification.

Vibration Resistance: The RN30 meets the **ANSI C136.31, 2010**, American National Standard for Roadway Luminaire Vibration specifications for Bridge/overpass applications. (Tested for 3G over 100 000 cycles)

LED Wattage and Lumen Values: 3000K Renaissance LED pendant - large (RN20-RN30)

Globe					Type LE2R			Type LE3R			Type LE4R			Type LE5R		
Ordering Code	Total LEDs	System Current (mA)	Color Temp.	Avg System Wattage (W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)
RN30-35W32LED3K-G3	32	350	3000	37	5184	B1-U3-G1	140	5166	B1-U3-G1	140	5135	B1-U3-G1	139	4920	B3-U3-G1	133
RN30-55W32LED3K-G3	32	530	3000	55	7474	B2-U3-G2	136	7448	B2-U3-G2	135	7403	B2-U3-G2	135	7092	B3-U3-G2	129
RN30-72W32LED3K-G3	32	700	3000	71	9322	B2-U3-G2	131	9289	B2-U3-G2	131	9234	B2-U3-G2	130	8846	B4-U3-G2	125
RN30-55W48LED3K-G3	48	350	3000	53	7774	B2-U3-G2	147	7747	B2-U3-G2	146	7701	B2-U3-G2	145	7377	B3-U3-G2	139
RN30-80W48LED3K-G3	48	530	3000	80	11152	B2-U3-G2	139	11113	B2-U3-G2	139	11047	B2-U3-G2	138	10583	B4-U3-G2	132
RN30-108W48LED3K-G3	48	700	3000	105	14059	B3-U3-G3	134	14009	B2-U3-G3	133	13926	B2-U3-G3	133	13341	B4-U3-G3	127
RN30-70W64LED3K-G3	64	350	3000	69	10278	B2-U3-G2	149	10242	B2-U3-G2	148	10181	B2-U3-G2	148	9753	B4-U3-G2	141
RN30-110W64LED3K-G3	64	530	3000	105	14677	B3-U3-G3	140	14626	B3-U3-G3	139	14539	B3-U3-G3	138	13928	B4-U3-G3	133
RN30-145W64LED3K-G3	64	700	3000	140	18424	B3-U3-G3	132	18359	B3-U3-G3	131	18250	B3-U3-G3	130	17484	B5-U3-G3	125
RN30-90W80LED3K-G3	80	350	3000	85	12813	B2-U3-G2	151	12768	B2-U3-G3	150	12692	B2-U3-G3	149	12159	B4-U3-G3	143
RN30-135W80LED3K-G3	80	530	3000	130	18220	B3-U3-G3	140	18156	B3-U3-G3	140	18048	B3-U3-G3	139	17290	B5-U3-G3	133
RN30-180W80LED3K-G3	80	700	3000	175	22746	B3-U3-G3	130	22666	B3-U3-G3	130	22531	B3-U3-G3	129	21585	B5-U3-G3	123

LED Wattage and Lumen Values: 4000K Renaissance LED pendant - large (RN20-RN30)

Globe					Type LE2R			Type LE3R			Type LE4R			Type LE5R		
Ordering Code	Total LEDs	System Current (mA)	Color Temp.	Avg System Wattage (W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)	Delivered Lumens	BUG Rating	Efficacy (lm/W)
RN30-35W32LED4K-G3	32	350	4000	37	5444	B1-U3-G1	114	5424	B1-U3-G1	114	5392	B1-U3-G2	114	5166	B3-U3-G2	114
RN30-55W32LED4K-G3	32	530	4000	55	7848	B2-U3-G2	109	7820	B2-U3-G2	109	7773	B1-U3-G2	109	7447	B3-U3-G2	109
RN30-72W32LED4K-G3	32	700	4000	71	9788	B2-U3-G2	110	9754	B2-U3-G2	110	9696	B1-U3-G2	110	9289	B3-U3-G2	110
RN30-55W48LED4K-G3	48	350	4000	53	8163	B2-U3-G2	102	8134	B2-U3-G2	102	8086	B2-U3-G2	102	7746	B4-U3-G2	102
RN30-80W48LED4K-G3	48	530	4000	80	11710	B2-U3-G2	118	11669	B2-U3-G2	118	11599	B2-U3-G3	118	11112	B4-U3-G2	118
RN30-108W48LED4K-G3	48	700	4000	105	14762	B2-U3-G2	114	14710	B2-U3-G2	114	14622	B2-U3-G3	114	14008	B4-U3-G2	114
RN30-70W64LED4K-G3	64	350	4000	69	10792	B3-U3-G3	111	10754	B2-U3-G3	111	10690	B2-U3-G3	111	10241	B4-U3-G3	111
RN30-110W64LED4K-G3	64	530	4000	105	15431	B3-U3-G3	103	15357	B3-U3-G3	103	15266	B2-U3-G3	103	14625	B4-U3-G3	103
RN30-145W64LED4K-G3	64	700	4000	140	19345	B3-U3-G3	118	19277	B3-U3-G3	118	19162	B2-U3-G3	118	18358	B4-U3-G3	118
RN30-90W80LED4K-G3	80	350	4000	85	13454	B3-U3-G3	118	13406	B3-U3-G3	118	13326	B3-U3-G3	118	12767	B5-U3-G3	118
RN30-135W80LED4K-G3	80	530	4000	130	19131	B3-U3-G3	117	19064	B3-U3-G3	117	18950	B3-U3-G3	117	18155	B5-U3-G3	117
RN30-180W80LED4K-G3	80	700	4000	175	23883	B3-U3-G3	112	23799	B3-U3-G3	112	23658	B3-U3-G4	112	22664	B5-U3-G3	112

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; highly recommended to confirm performance with a layout - contact Applications at outdoorlighting.applications@signify.com.

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LAMP POST SPECIFICATIONS

STYLE: MADISON FLARE TOP
 HEIGHT: 12'-6"
 BASE: 18 1/2" DIAMETER
 MATERIAL: PLEASE ADVISE BELOW
 FINISH: PLEASE ADVISE BELOW
 ACCESS DOOR: LOCATED IN BASE SECURED WITH TAMPER PROOF
 HEX SOCKET SECURITY MACHINE SCREWS
 GROUND PROVISIONS: DRILL AND TAP INSIDE WALL OF BASE OPPOSITE ACCESS DOOR TO
 ACCOMMODATE A 1/4"-20 GROUND STUD (STUD SUPPLIED BY OTHERS)
 ANCHOR BOLTS: (4) 3/4" DIA. X 24" LONG + 3" HOOK (FULLY GALVANIZED WITH
 1 GALVANIZED NUT AND 1 GALVANIZED WASHER PER BOLT)
 BOLT PROJECTION: 3" REQUIRED
 TENON: PLEASE ADVISE BELOW

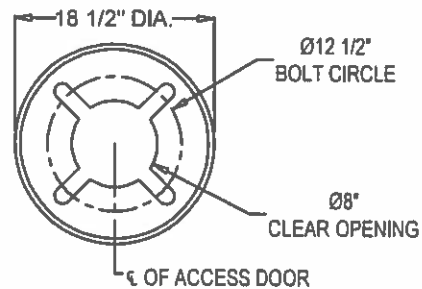
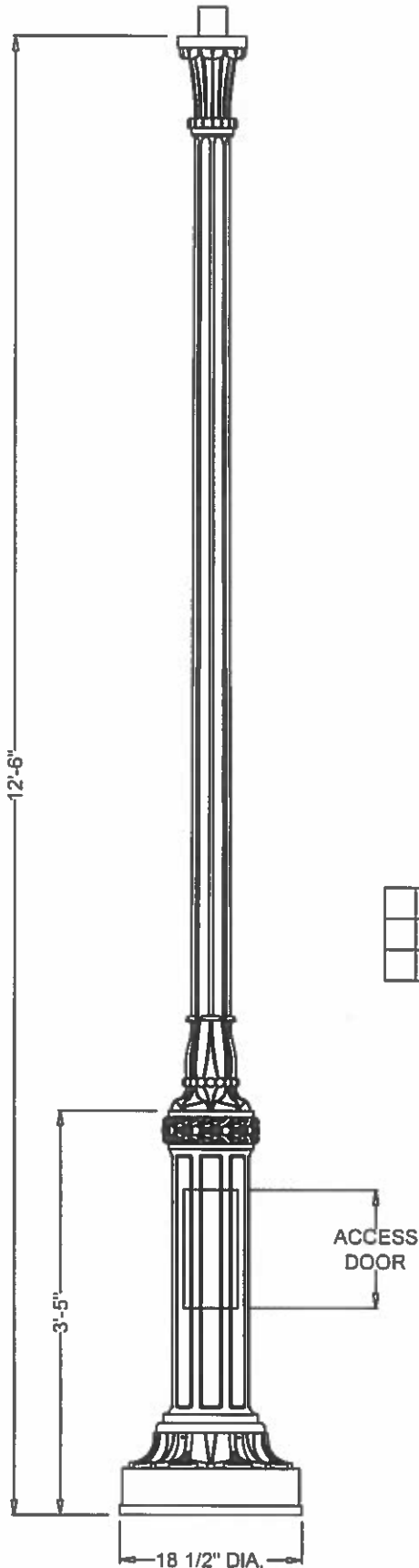
CATALOG NO.:

PSMDS-18-12.50-TN- -C-

MATERIAL	CAT. NO.
1 PIECE, CAST ALUMINUM ALLOY ANSI 356 PER A.S.T.M. B26-95	A
1 PIECE, CAST IRON PER A.S.T.M. A48-83 CLASS 30	I
1 PIECE, CAST DUCTILE IRON PER A536-84 GRADE 65-45-12	D

TENON	CAT. NO.
2 7/8" DIA. X 3" HIGH	TN2.88/3.00
3" DIA. X 3" HIGH	TN3.00/3.00
3 1/2" DIA. X 3" HIGH	TN3.50/3.00
4" DIA. X 3" HIGH	TN4.00/3.00
X.XX" DIA. X X.XX" HIGH	TNX.XX/X.XX

FINISH	CAT. NO.
POWDER COAT - PLEASE ADVISE RAL #	CU
PRIME PAINT THEN FINISH PAINT SHERWIN WILLIAMS - PLEASE ADVISE COLOR	CW



BASE PLATE DETAIL



Spring City Electrical Mfg. Co.

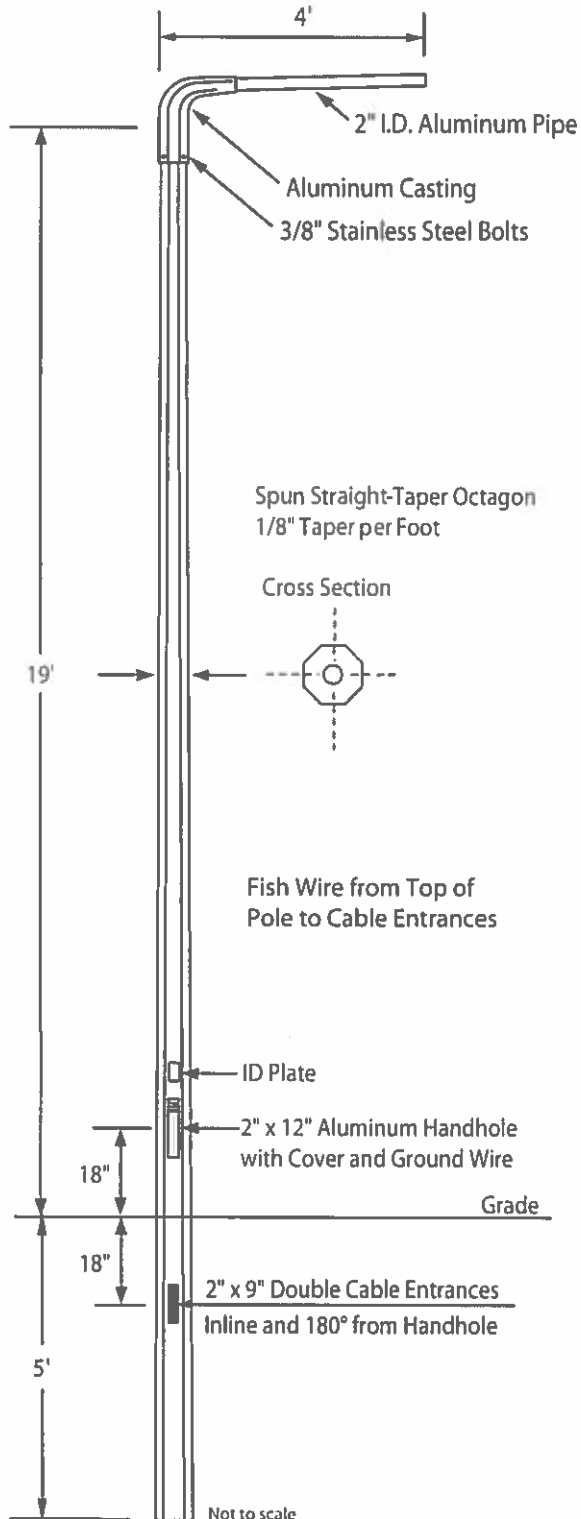
HALL AND MAIN STREETS - P.O. BOX 18 - SPRING CITY, PA. 19475
 PHONE (610) 948-4000 - FAX (610) 948-5577 - WWW.SPRINGCITY.COM

DESCRIPTION

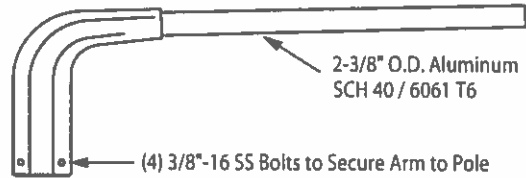
THE MADISON FLARE TOP
 12'-6" LAMP POST

100 Series

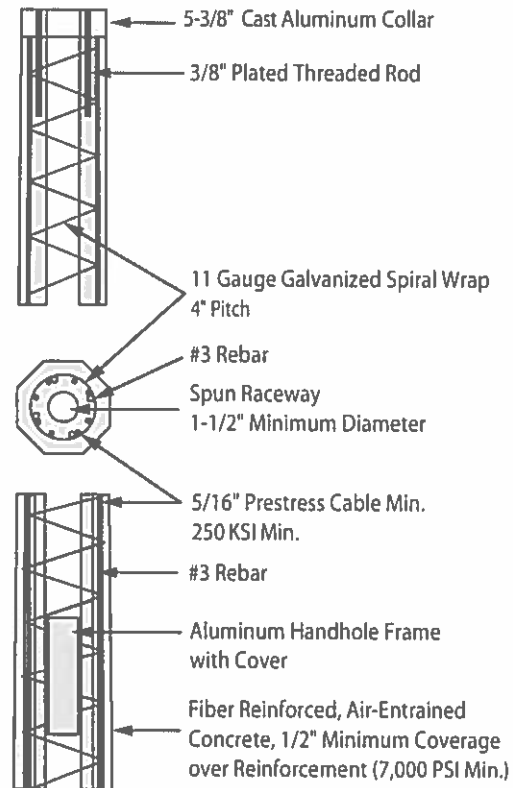
Prestressed, Spun Concrete Light Pole



Davit Arm Detail



Structural Detail



Job: **Aurora**

Pole #: **D119-PG-PA-4D**

Direct Burial 100 Series Concrete Pole
19' Above Ground, 5' Burial
Pearl Gray Color
Polished Finish with Acrylic Sealer
4' Aluminum Davit Arm



**TRADITIONAL
CONCRETE, INC.**
Street Light Poles

PO Box 157
W142 N9110 Fountain Blvd.
Menomonee Falls, WI 53052-0157
(888) 719-7599 toll-free
(262) 250-7599
info@concretepoles.com
www.concretepoles.com

Approved By: _____

Date: _____

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LUMINAIRE SPECIFICATIONS PARK CENTRAL LED LUMINAIRE

STYLE: 17 5/8" DIA.
HEIGHT: 25 7/8"
WIDTH: 17 5/8" DIAMETER
MATERIAL: CAST ALUMINUM ALLOY ANSI 356 PER A.S.T.M. B36-95
GLOBE: KEYSLOTTED FROSTED ACRYLIC GLOBE
FINISH: POWDER COAT - PLEASE SPECIFY WITH RAL NUMBER
LAMPING: PLEASE SELECT WATTAGE BELOW
VOLTAGE: ELECTRICALLY WIRE AT 120-277 VOLTS
COLOR TEMP: PLEASE SELECT COLOR TEMPERATURE BELOW
OPTICAL SYSTEM: PLEASE SELECT DISTRIBUTION BELOW
SURGE: 10KV

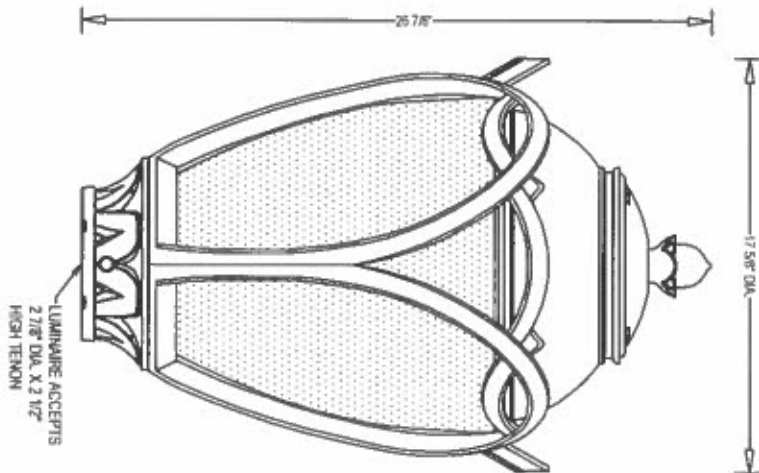
CATALOG NO.: ALMPCL-LE-EVX- - - - -YNSF-FCPCU

CAT. NO.	LED WATTAGE
LE040	40 WATTS
LE060	60 WATTS
LE080	80 WATTS
LE100	100 WATTS
OTHER WATTAGES AVAILABLE UPON REQUEST	

CAT. NO.	OPTICAL SYSTEM
CRJ	TYPE III
CR4	TYPE IV
CNS	TYPE V
FMJ	TYPE III (FROSTED)
FM4	TYPE IV (FROSTED)

LIGHT ENGINE DETERMINED BY MANUFACTURER

CAT. NO.	COLOR TEMP.
22	2200K
27	2700K
30	3000K
40	4000K
45	4500K
OTHER COLOR TEMPERATURES AVAILABLE UPON REQUEST	



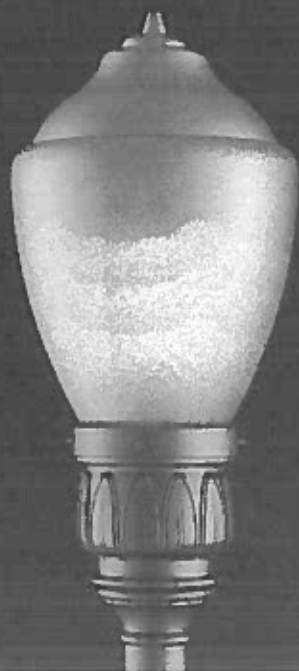
INTEGRATED LIGHTING CONTROL PROVISIONS
ARE AVAILABLE UPON REQUEST



Spring City Electrical Mfg. Co.
HALL AND MAIN STREETS, P.O. BOX 19 - SPRING CITY, PA. 17066
PHONE (717) 546-8877 - FAX (717) 546-8877 - WWW.SPRINGCITYCO.COM

DESCRIPTION

THE PARK CENTRAL LED LUMINAIRE



LED WATTAGE CHART

	16L	32L	48L
350 millamps	-	34w	53w
400 millamps	21w	-	-
530 millamps	25w	54w	80w
700 millamps	33w	71w	104w

The Savannah adds a touch of class and elegance to any Municipal, or Residential Project. Beautiful by day and efficient by night, the Savannah is the perfect street, curbside and pathway solution. Utilizing the latest in LED technology, the Savannah features the patented Star Power optical system with field adjustment capabilities. Savannah's light source facing a residence can be independently concealed by field adjustment so that maximum lighting levels are targeted where needed—on the street, or between fixtures on sidewalks. Also ideal for storefronts alongside the street, Savannah's light source can be easily adjusted on-site allowing light distribution just before a storefront's entrance.

Kelvin temperature offerings include Amber, 2700K, 3000K, 3500K, 4000K and 5000K. The luminaire is powder coated with a textured finish.

The Savannah is available in two different globe designs, three top shades and additional decorative options such as the Filigree + Strut Combo. Shades include 4.38" Cast Finial as standard, powder-coated same finish as fixture. Globe only luminaires have no finial as standard.

BUY AMERICAN

To ensure the latest BAA/TAA/BABA Standards are being met, please select BAA, TAA, or BABA in the options section. Please contact the factory before placing an order for any NLS products requesting BAA (Buy American Act), TAA (Trade American Act), or BABA (Build America, Buy America).







STAR POWER™ OPTICAL SYSTEM

The Star Power™ reflector is an excellent system which provides great value and performance. Star Power Patent number: 10168023

Project Name

Type

SAVANNAH-2 ORDERING GUIDE

Cat#	Shade / Lens	Light Dist.	No. of LEDs	Milliamps	Kelvin
Savannah 2 (SVN-2)	Shade 1 (SH1)	Type 3 (T3)	16 (16L)	350 (35)	Amber 585-600nm (AMBER)®
		Type 5 (T5)	32 (32L)	400 (40)	2700K, 70 CRI (27K7)
	Shade 2 (SH2)		48 (48L)	530 (53)	2700K, 80 CRI (27K8)®
				700 (7)	3000K, 70 CRI (30K7)
	Shade 3 (SH3)				3000K, 80 CRI (30K8)®
					3500K, 80 CRI (35K8)®
	Lens Globe 1 (LG1)®				4000K, 70 CRI (40K7)
	Lens Globe 2 (LG2)®				4000K, 80 CRI (40K8)®
					5000K, 70 CRI (50K7)
					5000K, 80 CRI (50K8)®
Volts	Mounting	Color	Controls	Options	
120-277 (UNV)	Post Top Mount	Bronze Textured (BRZ)	Button Photocell (PC)®	Opal Lens (OPL)	
347-480 (HV)	Over 3" OD Tenon (PT)	White Textured (WHT)	Nema 7-Pin Receptacle (PE7)	Polycarbonate Lens (PLY)	
		Smooth White Gloss (SWT)	Photocell + Receptacle (PCR)	Decorative Filigree + Strut Combo (FSC)	
		Silver (SVR)	Receptacle + Shorting Cap (PER)	House Side Shield (HSS)	
		Black Textured (BLK)	Custom Controls Integration (CCI)®	Finial (FIN)	
		Smooth Black Gloss (SBK)		Terminal Block (TB)	
		Graphite Textured (GPH)		Marine Grade Finish (MGF)	
		Grey Textured (GRY)		Buy American (BAA)®	
		Green (GRN)		Trade American (TAA)®	
		Custom (CS)		Build America Buy American (BABA)®	

Notes:

- ① Use With or Without Shade
- ② Use Without Shade
- ③ Consult Factory for Lead Time. Consult Factory for 90 CRI Requests
- ④ Universal Voltage 120-277
- ⑤ Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLinx, Crestron, DMX/RDM, Synapse, Casambi, Dali II, or other control systems)
- ⑥ Turtle Safe
- ⑦ Consult factory for all BAA/TAA/BABA requests

NLS
LIGHTING

 701 Kingshill Place, Carson, CA 90746
 Call Us Today (310) 341-2037

nlsighting.com

PRODUCT SPECIFICATIONS

ELECTRICAL

- 120-277 Volts (UNV) or 347-480 Volts (HV)
- 0-10V dimming driver
- Driver power factor at maximum load is $\geq .95$, THD maximum load is 15%
- LED Drivers Ambient Temp. Min is -40°C and Ambient Temp. Max ranges from 50°C to 55°C and, in some cases, even higher. Consult the factory for revalidation by providing the fixture catalog string before quoting and specifying it.
- All internal wiring UL certified for 600 VAC and 105°C
- CRI 70, 80 or 90
- Color temperatures: Amber, 2700, 3000K, 3500K, 4000K, 5000K
- Surge Protection: 20KA supplied as standard.

CONSTRUCTION

- Cast Aluminum

OPTIONS

- Opal Lens
- Polycarbonate Lens
- Decorative Filigree + Strut Combo
- House Side Shield
- Finial
- Terminal Block
- MARINE GRADE FINISH (MGF) - A multi-step process creating protective finishing coat against harsh environments. Chemically washed in a 5 stage cleaning system. Pre-baked, Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer. Oven Baked. Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.

House Side Shield (HSS) is designed for full property line cut-off.

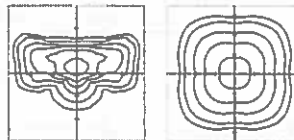
CONTROL OPTIONS

- NEMA 7-PIN RECEPTACLE (PE7)—An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.
- PHOTOCELL + RECEPTACLE (PCR)—7-Pin Receptacle and Electronic Twist Lock Photocell for dusk to dawn operation.
- RECEPTACLE + SHORTING CAP (PER)—7-Pin Receptacle and Shorting Cap.
- PHOTOCELL - Button type photocell.
- Controls Agnostic: Please contact factory for your preferred controls option. (nLight, NX, WaveLinx, Crestron, DMX/RDM, Synapse, Casambi, DALI II, Avi-On, or other control systems)

OPTICS

Recessed Star Power Optical System is 95% reflective material. Utilizes a linear diffused pattern, softening the light distribution and eliminating any dark shadows or striations.

- ES Types



TYPE III (T3)

TYPE V (T5)

FINISH

- 3-5 mils electrostatic powder coat.
- NLS Lighting standard high-quality finishes prevent corrosion and protects against extreme environmental conditions

WARRANTY

Five-year limited warranty for drivers and LEDs

LISTINGS

- Certified to UL 1598
- UL 8750
- CSA C22.2 No. 250.0
- 3G Rated

BUY AMERICAN OPTION

While all of the NLS Lighting products listed in this document qualify for the Buy America(n) Act of 1933, we reserve the right to change our listings without notice.

The information provided above is for general informational purposes only. We encourage you to consult legal professionals for advice particular to your projects concerning BAA, TAA, BABA or Buy America.

Additional NLS Products that meet BAA, TAA standards can be found at the following link:

<https://nslighting.com/buy-american/>



The information and specifications on this document are subject to change without any notification. All values are design, nominal, typical or prorated values when measured under internal and external laboratory conditions.

NLS
LIGHTING

701 Kingshill Place, Carson, CA 90746
Call Us Today (310) 341-2037

nslighting.com

PRODUCT SPECIFICATIONS

SAVANNAH LUMEN DATA CHART

PART NUMBER	T3 LUMENS	T3 LM/W	T5 LUMENS	T5 LM/W	Watts
SVN-X-16L-40-27K7	1896	90	1929	92	21
SVN-X-16L-40-27K8	1775	85	1807	86	21
SVN-X-16L-40-30K8	1903	91	1937	92	21
SVN-X16L-40-30K7	2050	98	2086	99	21
SVN-X-16L-40-35K8	1903	91	1937	92	21
SVN-X-16L-40-40K8	2050	98	2086	99	21
SVN-X-16L-40-40K7	2215	105	2254	107	21
SVN-X-16L-40-50K8	2050	98	2086	99	21
SVN-X-16L-40-50K7	2215	105	2254	107	21
SVN-16L-53-30K7	2444	94	2496	96	26
SVN-16L-53-40K7	2522	97	2600	100	26
SVN-16L-53-50K7	2626	101	2704	104	26
SVN-16L-7-30K7	3102	94	3168	96	33
SVN-16L-7-40K7	3201	97	3300	100	33
SVN-16L-7-50K7	3333	101	3432	104	33
SVN-32L-35-30K7	3196	94	3264	96	34
SVN-32L-35-40K7	3298	97	3400	100	34
SVN-32L-35-50K7	3434	101	3536	104	34
SVN-32L-53-30K7	5076	94	5184	96	54
SVN-32L-53-40K7	5238	97	5400	100	54
SVN-32L-53-50K7	5454	101	5616	104	54
SVN-32L-7-30K7	6674	94	6816	96	71
SVN-32L-7-40K7	6887	97	7100	100	71
SVN-32L-7-50K7	7171	101	7384	104	71
SVN-48L-35-30K7	4982	94	5088	96	53
SVN-48L-35-40K7	5141	97	5300	100	53
SVN-48L-35-50K7	5353	101	5512	104	53
SVN-48L-53-30K7	7520	94	7680	96	80
SVN-48L-53-40K7	7760	97	8000	100	80
SVN-48L-53-50K7	8080	101	8320	104	80
SVN-48L-7-30K7	9776	94	9984	96	104
SVN-48L-7-40K7	10088	97	10400	100	104
SVN-48L-7-50K7	10504	101	10816	104	104

SAVANNAH LUMEN DATA CHART WITH SHADE

PART NUMBER	T3 LUMENS	T3 LM/W	T5 LUMENS	T5 LM/W	Watts
SVN-X-16L-40-27K7	1679	80	1730	82	21
SVN-X-16L-40-27K8	1573	75	1620	77	21
SVN-X-16L-40-30K8	1686	80	1737	83	21
SVN-X16L-40-30K7	1816	86	1870	89	21
SVN-X-16L-40-35K8	1686	80	1737	83	21
SVN-X-16L-40-40K8	1816	86	1870	89	21
SVN-X-16L-40-40K7	1962	93	2021	96	21
SVN-X-16L-40-50K8	1816	86	1870	89	21
SVN-X-16L-40-50K7	1962	93	2021	96	21

Lumen Maintenance Data

Ambient Temperature	Drive Current	L90 Hours*	L70 Hours**	30,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours**
25°C	Up to 700mA	58,000	173,000	95.7%	91.6%	89.6%	82.1%
*Reported extrapolations per IESNA TM-21				**Projected extrapolations per IESNA TM-21			

PRODUCT SPECIFICATIONS

LENS GLOBES



LENS GLOBE 1

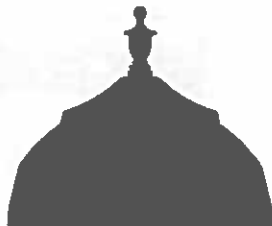


LENS GLOBE 2

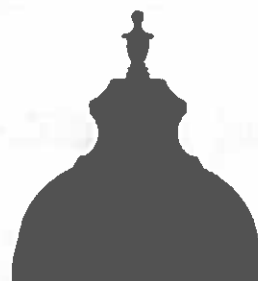
SHADES



SHADE 1



SHADE 2

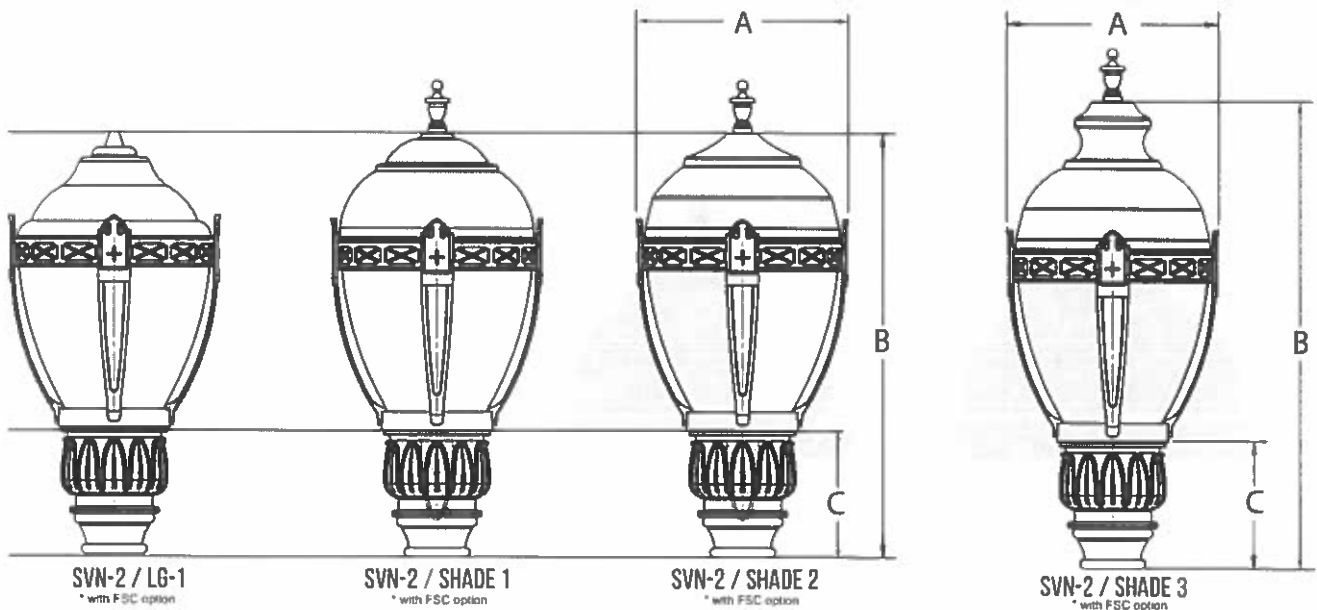


SHADE 3

PRODUCT SPECIFICATIONS

DIMENSIONS			
	A	B	C
SVN-2/LG-1	17.5 in	25.8 in	10.3 in
SVN-2/SH1	17.5 in	34.46 in	10.3 in
SVN-2/SH2	17.5 in	34.46 in	10.3 in
SVN-2/SH3	17.5 in	37.92 in	10.3 in

WEIGHT	34 LBS
EPA	4.07



Standard
Cast Finial
for Shades