

CITY OF NORTH LITTLE ROCK, ARKANSAS  
COMMERCE DEPARTMENT  
Mary Beth Bowman, Director  
Amy Smith, Assistant Director for Procurement  
Crystal Willis, Admin. Sect. /Asst. Purchasing Agent



120 MAIN STREET  
P.O. BOX 5757  
NORTH LITTLE ROCK, AR 72119  
501-975-8881 Phone  
501-975-8885 Fax

## INVITATION TO BID

Bid Number : \_\_\_\_\_ 19-3630 \_\_\_\_\_ Date Issued: \_\_\_\_\_ November 10, 2019

Date & Time Bid Opening: \_\_\_\_\_ Monday, November 25, 2019 at 10:30 a.m.

# 2020 STREET AND SECURITY LIGHTING FOR THE NORTH LITTLE ROCK ELECTRIC DEPARTMENT

Specifications and Pricing Sheet are attached.

Any questions regarding the bid should be directed to

- Karen Allen at 501-992-4058
- Brenda Davidson at 501-992-4026

If you are obtaining this bid from our website, please be reminded that addendums may occur. It is therefore advisable that you review our listings for attachments including any changes to the bid.

The City of North Little Rock encourages participation of small, minority, and woman own business enterprises in the procurement of goods, services, professional services, and construction, either as a general contractor or sub-contractor. It is further requested that whenever possible, majority contractors who require sub-contractors, seek qualified small, minority, and woman businesses to partner with them

NOTE: FAILURE TO FILL OUT AND SIGN THE INVITATION TO BID SHEET WILL RESULT IN REJECTION OF THE BID.

### EXECUTION OF BID

Upon signing this Bid, the bidder certifies that they have read and agree to the requirements set forth in this bid, including specifications, conditions and pertinent information regarding the articles being bid on, and agree to furnish these articles at the prices stated.

NAME OF FIRM: \_\_\_\_\_ DATE: \_\_\_\_\_

PHONE NUMBER: \_\_\_\_\_ TAX ID NO. \_\_\_\_\_

BUSINESS ADDRESS: \_\_\_\_\_

SIGNATURE OF AUTHORIZED PERSON & TITLE: \_\_\_\_\_

**UNSIGNED BIDS WILL BE REJECTED**

## **NLR ELECTRIC DEPARTMENT STREET & SECURITY LIGHTING MATERIALS FOR 2020**

SPECIFICATIONS ARE ATTACHED.

Any questions regarding the specifications and/or requirements should be directed to Greg Woodward at 501-992-4073, or Karen Allen at 501-992-4058 or Brenda Davidson at 501-992-4026.

- Quantities shown are estimates based on an average yearly usage; these may vary depending on demand.
- Vendor is required to keep 25% in stock of the estimated quantity with a maximum of ten (10) days shipping / delivery availability.
- Vendor must identify specific items which require more than 10 days delivery time.
- Vendor is required to have Central Arkansas Warehouse location for essential items.
- Vendor should provide all contact information for ordering purposes.
- Deliveries for large reels of wire must be made on open bed trucks to prevent damage.
- Vendor must note "N" means no substitution where specified; "EM" means Exact match or equivalent to.

**NOTE: FAILURE TO FILL OUT AND SIGN THE INVITATION TO BID SHEET  
WILL RESULT IN REJECTION OF THE BID.**



# **NORTH LITTLE ROCK ELECTRIC DEPARTMENT**

## **2020 STREET & SECURITY LIGHTING MATERIAL LIST**

### **VENDOR REFERENCE GUIDE**

ITEM NO	Description	MFR	MFG NO	SUB	EST AVG QTY	UOM	UNIT PRICE	NOTATIONS/COMMENTS
XAT00002	ARM, MAST 2" x 28" (FLOOD LIGHT BRACKET)		AMI-462		100	EACH		
XAT0008S	ARM, MAST 2" x 8'				75	EACH		
XFB0TL30	FUSE, TL-30A EDISON BASE SCREW TYPE	MERSEN	GTL30		200	EACH		
XFC00015	FUSE, BAF 15A 250V MIDGET	BUSSMAN OR LITTLETON	BAF-15		200	EACH		
XFC00030	FUSE, BAF 30A 250V MIDGET	BUSSMAN OR LITTLETON	BAF-30		60	EACH		
XFCNR30	FUSE, FRNR 30A 120V (NON-RENEWABLE CART. TYPE)	BUSSMAN OR LITTLETON	FRN-R-30		100	EACH		
XFCNR60	FUSE, FRNR 60A 250V (NON-RENEWABLE CART. TYPE)	BUSSMAN OR LITTLETON	FRN-R-60		100	EACH		
XFCREN60	FUSE, REN 60A 250V (RENEWABLE CART. TYPE)	BUSSMAN OR LITTLETON	REN-60		60	EACH		
XFH00030	FUSEHOLDER, HEB-AB TRON IN-LINE	BUSSMAN / MERSEN	HEB-AB / FEB-11-11		200	EACH		
XLA100HPS	LAMP, 1000W HPS (LU1000)	SYLVANIA	67307		120	EACH		
XLA100MH	LAMP, 1000/U MH				120	EACH		
XLA10HPS	LAMP, 100W HPS S-54				60	EACH		
XLA10MH	LAMP, 100/U MH MEDIUM BASE	SYLVANIA	64468		150	EACH		
XLA150MH	LAMP, 150W MH		MS-150-MGL		1,000	EACH		
XLA15HPS	LAMP, 150W /55W S-55				500	EACH		
XLA20HPS	LAMP, 200W HPS S-66				25	EACH		
XLA25HPS	LAMP, 250W HPS S-50				60	EACH		
XLA25MH	LAMP, 250W MH				60	EACH		
XLA40HPS	LAMP, 400W HPS S-51				150	EACH		
XLA40MH	LAMP, 400W MH	SYLVANIA	64490		150	EACH		
XLNWALED	ASSEMBLY, 6600 LUMEN NEMA HEAD PACKAGE * *PACKAGE INCLUDES LN2REF ACRYLIC REFRACTOR	AMERICAN ELECTRIC	LNH2PKGLU5MVOLTR5NAP7	N	75	EACH		
XLNWHLED	HEAD, 6600 LUMEN LED NEMA NIGHT WATCHER	AMERICAN ELECTRIC	LNHWLU5MVOLTRNAP7PCSS	N	75	EACH		
XLU072LED	72W LED LIGHT FIXTURE (RFM-72WEWLED4K-T-R3M-UNV-DMG-API-RCD7-GY3)	PHILIPS	RFM1002 18M5OUT6031	N	3,000	EACH		
XLU108LED	108W LED LIGHT FIXTURE (RFM-108W32LED4K-T-43-UNV-DMG-API-RCDU-GY)	PHILIPS	RFM1419 18M5OUT5031	N	600	EACH		

ITEM NO	Description	MFR	MFG NO	SUB	EST AVG QTY	UOM	UNIT PRICE	NOTATIONS/COMMENTS
XFL40KLED	FLOOD LIGHT, 40K LED 10KVIL	AMERICAN ELECTRIC	Reference NLRED Specifications	N	200	EACH		
XNWREFR	REFRACTOR, ACRYLIC (FOR BA) NIGHT WATCHER			N	100	EACH		
XPD00001	POLE ACCESSORIES - BASE, SCREW-IN				12	EACH		
XPD00002	POLE ACCESSORIES - REPAIR KIT, X-BASE FIELD (HAPCO)				60	EACH		
XPD00003	POLES ACCESSORIES -BASE, TRANSFORMER				20	EACH		
XPD00025	POLE, AL 25' (FOR RESIDENTIAL) SGL ARM	VALMONT	Reference NLRED Specifications		60	EACH		
XPD00030	POLE, AL 30' SGL BRK (25'8")				90	EACH		
XPD00031	POLE, AL 30' DBL BRK (25'8")				30	EACH		
XPEDCTL	CONTROLS, PE DUAL VOLTAGE (105-305V, 50-60HZ)				1,500	EACH		
XPEPLUG	CAP, SHORTING RIPLEY				500	EACH		
XPESOCK	SOCKET, PE CONTROL PRECISION #M2A				100	EACH		
<b>Instructions for vendors:</b>								
<b>Provide Manufacturer and Part number in space provided. (Refer to Reference List for current year data)</b>								
<b>Use the "Notations/Comments" section for any additional information necessary.</b>								
<b>Please provide where possible box/carton/case quantities.</b>								
<b>SPECIAL NOTES</b> THE FOLLOWING HIGH-PRESSURE SODIUM (HPS) LAMPS SHALL BE LUMALUX PLUS/ECO NON-CYCLING AND SHALL CONTAIN UP TO 90% LESS MERCURY THAN A STANDARD HIGH-PRESSURE SODIUM LAMP. THESE LAMPS SHALL INCLUDE A WELDED, LEAD-FREE BRASS MOGUL BASE AND REMAIN OFF AT THE END OF THEIR LIFE:								
	LU 100 LU150/55 LU 200 LU 250 LU 400							
<b>ALL LAMP BASES WILL BE MOGUL, UNLESS OTHERWISE SPECIFIED.</b>								





## **NORTH LITTLE ROCK ELECTRIC DEPARTMENT**

**The attached drawing details the specifications for the NLR Electric Department  
Flood Light LED Fixture**

**Reference NLRED Stock Numbers:**

**XFL40KLED**

**AMERICAN ELECTRIC - ALPOLEDPK5MVOLTWFL40KYKBZSDI**

**For questions concerning LED fixtures please contact:**

**NLR ELECTRIC DEPARTMENT  
ENGINEERING SECTION  
GREG WOODWARD  
501-992-4073**

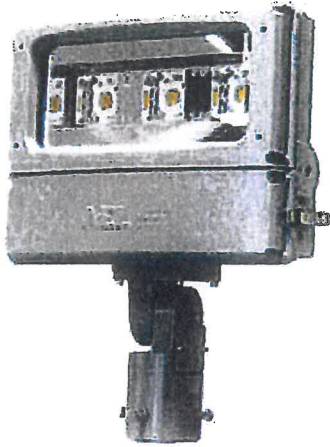




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# ACPOLED Series American Compact LED Floodlight

## PRODUCT OVERVIEW



### Features:

#### Mechanical

Low copper content die cast aluminum housings has integral heat sink fins to optimize thermal management through conductive and convective cooling. Bolted or optional stainless steel latch disengages top electrical cover for easy access to LED driver, surge protection, and terminal block. The yoke mount unit is shipped prewired with specified cord type and cord length to facilitate easy wiring of luminaire. The tenon mount unit is prewired to luminaire wiring chamber.

Luminaire is vibration rated to 3G per ANSI C136.31-2001 and rated IP66 per IEC60068-2-3.

Rigorous five-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 8 (per ASTM D1654) after over 5,000 hours exposure to salt fog chamber per ASTM B117.

Yoke shall be painted steel or galvanized steel. Knuckle mount shall be adjustable to fit 2-3/8 inch to 2-7/8 inch tenon.

#### Electrical

LED light engine is rated minimum 100,000 hours at 25C, L70. Electronic driver has an expected life of 100,000 hours at a 25C ambient.

Robust surge protection: Three different surge protection options provide a minimum IEEE/ANSI C62.41 category C (10kV/5kA) protection. Extreme 20kV/10kA protection is also available.

Driver power factor is 90% minimum. Driver meets maximum total harmonic distortion (THD) of 20% and is ROHS compliant.

#### Optical

PCB mounted LED technology comprised of multi-cluster LEDs on single metal core board. Segmented Miro internal reflectors are designed for superior field to beam ratios, uniformity, and spacing.

NEMA optical pattern choice of medium flood (4X4), flood (5x5) wide flood (6x6), and wide flood rectangle (6x5). The luminaire is available with 3000K, 4000K, and 5000K with minimum CRI of 70.

Optional shielding available to control light trespass and uplight. Optical enclosure shall be glass lens.

#### Controls

NEMA photocontrol receptacle 3 pin (P3) or 7 pin (P7) available.

Optional premium solid state locking-style photocontrol - DSS (10 year rated life), Optional extreme long life solid state locking-style photocontrol - DLL (20 year rated life).

Optional onboard adjustable output module (AO) allows the light output and input wattage to be modified to meet site specific requirements.

#### Standards

Suitable for ambient temperature -40C to 40C.

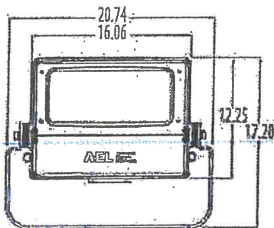
CSA Certified to U.S. and Canadian standards.

DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

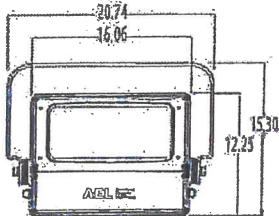
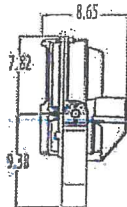
### Applications:

Auto dealerships  
Schools  
Churches  
Industrial sites

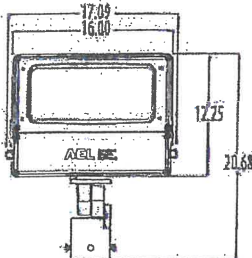
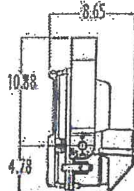
Shopping centers  
Parking lots  
Substations  
Building facades



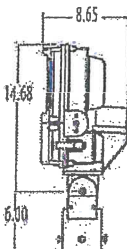
YK-Yoke Mount Luminaire EPA of 1.76 Ft² and max weight 30 lbs.



YKE-Yoke Mount Luminaire EPA of 1.76 Ft² and max weight 31 lbs.



Tenon Mount Luminaire EPA of 1.89 Ft² and max weight 28 lbs.





# ACPOLED Series

## American Compact LED Floodlight



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### ORDERING INFORMATION

Example: ACP0LED PK3 MVOLT WFL 40K TM GYSDP 10KVIL PER7 TL

ACPOLED	PKS	MVOLT	WFL	40K
Series	Performance Package	Voltage	Direct Distribution	Color Temperature (CCT)
ACPOLED	PK1 6,000 Lumen Package PK2 10,000 Lumen Package PK3 14,000 Lumen Package PK4 18,000 Lumen Package PK5 22,000 Lumen Package	MVOLT Multi-volt (120-277) 347 347V 480 480V	MFL Medium Flood (4X4) FL Flood (5X5) WFL Wide Flood (6X6) WFR Wide Flood Rectangle (6X5)	30K 3000K 40K 4000K 50K 5000K
YK	BZSDP	10KVIL	PER7	06
Mounting Method	Color	Surge protection	Options/Controls	Cord Length <sup>5,6</sup>
TM Tenon Slipfitter - Knuckle YK Yoke Painted Steel YKE Yoke Painted Steel Extended Length YG Yoke Galvanized Steel	BZSDP Bronze Super Durable Paint Finish BKSDP Black Super Durable Paint Finish GYSDP Gray Super Durable Paint Finish WHSDP White Super Durable Paint Finish GHSDP Graphite Super Durable Paint Finish	10KVIL 10kV/5kA Fail off w/Indicator Light 10KVMP 10kV/5kA MOV (fail on) 20KV 20kV/10kA Extreme Surge (fail off)	PER7 P7 Rotating PC Receptacle <sup>1</sup> PER3 P3 Receptacle <sup>1</sup> NR No Photocontrol Receptacle <sup>4</sup> DM 0-10V Dimming Control (controls provided by others) <sup>2</sup> DSS Solid State Photocontrol <sup>1</sup> DLL Solid State Long Life Photocontrol <sup>1</sup> SH Shorting Cap <sup>1</sup> AO Field Adjustable Output <sup>3</sup> DALI Dali driver-consult factory PNMT Part night dimming -- consult factory	04 4 ft. cord length 05 5 ft. cord length 06 6 ft. cord length 08 8 ft. cord length 10 10 ft. cord length 12 12 ft. cord length 15 15 ft. cord length 20 20 ft. cord length 25 25 ft. cord length
43	NL	Accessories (Shipped Separately)		
Cord Type	Miscellaneous			
63 16 gage, 3 conductor cord 43 14 gage, 3 conductor cord 23 12 gage, 3 conductor cord 65 16 gage, 5 conductor cord <sup>11</sup>	TL Tool Less Entry NL NEMA Lable	ACP0LEDV-BZSDP Full Visor Bronze <sup>2</sup> ACP0LEDV-BKSDP Full Visor Black <sup>2</sup> ACP0LEDV-GYSDP Full Visor Grey <sup>7</sup> ACP0LEDV-WHSDP Full Visor White <sup>7</sup> ACP0LEDV-GHDP Full Visor Graphite <sup>7</sup> ACP0LEDUBV-BZSDP Upper/Bottom visor (universal) Bronze <sup>8</sup> ACP0LEDUBV-BKSDP Upper/Bottom visor (universal) Black <sup>8</sup> ACP0LEDUBV-GYSDP Upper/Bottom visor (universal) Grey <sup>8</sup> ACP0LEDUBV-WHSDP Upper/Bottom visor (universal) White <sup>8</sup> ACP0LEDUBV-GHSDP Upper/Bottom visor (universal) Graphite <sup>8</sup> ACP0LEDVG Vandal Guard <sup>9</sup> ACP0LEDWG Wire Guard <sup>10</sup>		

1. Not available with NR
2. Not available with AO
3. Not available with DM
4. Not available with DM, PER7, PER3, SH, DSS, DLL
5. Requires cord length and cord type
6. Not available with TM mounting
7. Not compatible with WG, VG, UBV
8. Not compatible with WG, VG, FV
9. Not compatible with WG, FV, UBV
10. Not compatible with VG, FV, UBV
11. Used with YK, YKE, YG and DM only



AEL Headquarters, 3825 Columbus Road, Granville, OH 43023  
www.americanelectricalighting.com  
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**Warranty:** Five-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_Warranties.asp](http://www.acuitybrands.com/CustomerResources/Terms_and_Warranties.asp)  
Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Please contact your sales representative for the latest product information.

# ACPOLED Series

## American Compact LED Floodlight

### PERFORMANCE PACKAGES

ACPOLED	Distribution	Lumens 4000K	Input Watt.	LPW	Input Operating Amps					
					120V	208V	240V	277V	347V	480V
PK1					0.41	0.24	0.21	0.18	0.15	0.11
	MFL	5,877	49	120						
	FL	6,085	49	124						
	WFL	6,274	49	128						
	WFR	6,177	49	126						
PK2					0.66	0.39	0.34	0.29	0.22	0.17
	MFL	9,506	79	120						
	FL	9,844	79	125						
	WFL	10,150	79	128						
	WFR	9,993	79	126						
PK3					0.99	0.58	0.51	0.45	0.37	0.28
	MFL	13,654	119	115						
	FL	14,139	119	119						
	WFL	14,579	119	123						
	WFR	14,353	119	121						
PK4					1.25	0.72	0.63	0.55	0.45	0.34
	MFL	17,284	150	115						
	FL	17,898	150	119						
	WFL	18,454	150	123						
	WFR	18,169	150	121						
PK5					1.66	0.96	0.83	0.72	0.58	0.43
	MFL	21,605	199	109						
	FL	22,372	199	112						
	WFL	23,067	199	116						
	WFR	22,711	199	114						

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LLD					
	PK1	PK2	PK3	PK4	PK5
25,000 hours	0.98	0.98	0.98	0.98	0.96
50,000 hours	0.96	0.96	0.96	0.96	0.92
100,000 hours	0.92	0.92	0.92	0.92	0.85

AO Module		
AO setting	Lumens %	Wattage %
8	100%	100%
7	100%	100%
6	100%	100%
5	90%	87%
4	79%	75%
3	68%	61%
2	55%	49%
1	42%	37%

LAT				
0C	15C	25C	35C	40C
1.06	1.02	1.00	0.98	0.96



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Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Please contact your sales representative for the latest product information.





## **NORTH LITTLE ROCK ELECTRIC DEPARTMENT**

**The attached drawing details the specifications for the NLR Electric Department  
Street Light Poles**

**Reference NLRED Stock Numbers:**

**XPD00025**

**XPD00030**

**XPD00031**

**For questions concerning LED fixtures please contact:**

**NLR ELECTRIC DEPARTMENT  
ENGINEERING SECTION  
GREG WOODWARD  
501-992-4073**

**20' TO 28' ROUND TAPERED  
4-BOLT ANCHOR BASE POLES**



- 20' to 28' mounting heights.
- For single or multiple luminaire mounting.
- Luminaires may be mounted on tenons, brackets or shaft may be drilled to manufacturer's mounting specifications.

**SPECIFICATIONS**

All aluminum alloys shall comply with metallurgical and mechanical properties set forth in the Aluminum Association Standards.

**Shaft:** The shaft shall be spun tapered from all new seamless 6063 alloy aluminum and shall be heat treated to produce a T6 temper. Each shaft shall have a minimum 6" long straight section of the top to accommodate the center hub of the appropriate Valmont flood light bracket or tapered arm. Alternatively, the straight section may be drilled for mounting luminaires. All Valmont shafts shall be polished with fine grain aluminum oxide cloths, resulting in a high quality, circumferential satin brushed finish. After finishing each pole shall be fully wrapped with neutral PH kinkle/kraft paper for protection in shipment.

**Anchor Base:** The anchor base is cast from A356 alloy aluminum. The anchor base casting and shaft shall be joined by a continuous circumferential weld at the inside bottom of the anchor base. The completed assembly will be heat treated to T6 temper after all structural welding is completed. A356 alloy aluminum nut covers shall be included with each anchor base unless otherwise specified.

**Handholes:** All poles include a peripherally reinforced flush covered handhole centered 18" above the bottom of the pole. The opening in the 5" and 6" diameter pole shall measure 3" x 5". The opening in the 7", 8" and 10" diameter pole shall measure 4" x 6". An optional 4" x 8" opening is available for 8" and 10" diameter poles.

**Anchor Bolts:** Each pole shall include: (4) steel hot dip galvanized anchor bolts each with (2) nuts and (2) flat washers sized to match the anchor bolts.

**Special Finishes:** Natural anodize, duranodic, or painted finishes may be specified as an addition to the satin brushed finish, if required. All aluminum parts and accessories shall receive a finish similar to that specified.

**CATALOG LOGIC**

FEET AND INCHES		TOP DIAMETER	BASE DIAMETER	WALL THICKNESS	SHAPE OF SHAFT	BASE OR MOUNTING	FIXTURE MOUNTING	FINISHES	OPTIONS
_____		_____	_____	_____	<b>T</b>	<b>4</b>	_____	_____	_____
<b>FEET AND INCHES*</b> 1908 = 20' 2208 = 23' 2408 = 25' 2708 = 28'		<b>TOP DIAMETER IN INCHES</b> 30 = 3" 40 = 4" 45 = 4-1/2" 60 = 6"	<b>WALL THICKNESS IN 32NDS OF AN INCH</b> 4 = 4/32" or 0.125" Wall 5 = 5/32" or 0.156" Wall 6 = 6/32" or 0.188" Wall 8 = 8/32" or 0.250" Wall	<b>SHAPE OF SHAFT</b> <b>T =</b> Round Tapered	<b>BASE OR MOUNTING</b> <b>4 =</b> 4-Bolt Anchor Base	<b>FIXTURE MOUNTING</b> D1 = 1 @ 90° D2 = 2 @ 180° D3 = 3 @ 120° D4 = 4 @ 90° D5 = 2 @ 90° D6 = 3 @ 90° P2 = 2-3/8" x 4 Tenon P9 = Other Tenon <small>Please Spec #</small>	<b>FINISHES</b> <b>POLYESTER POWDER</b> DBL = Black      DMB = Med Bronze      DSS = Sandstone DBR = Bright Red      DNA = Natural Alum      DTG = Dark Green DCG = Charcoal Gray      DSB = Steel Blue      DWH = White DDB = Dark Bronze <b>ANODIZED</b> 204 = Clear Natural      313 = Dark Bronze*      * Duranodic Anodize 311 = Light Bronze*      335 = Black* 312 = Med Bronze*	<b>BRUSHED</b> SBF = Satin Brushed Finish	<b>OPTIONS</b> See Accessory Section
<b>BASE DIAMETER* IN INCHES</b> 50 = 5"      80 = 8" 60 = 6"      10 = 10" 70 = 7"									

\*For available Base Diameter, Wall Thickness and Length Combinations see Dimensional Load Data Table that follows.



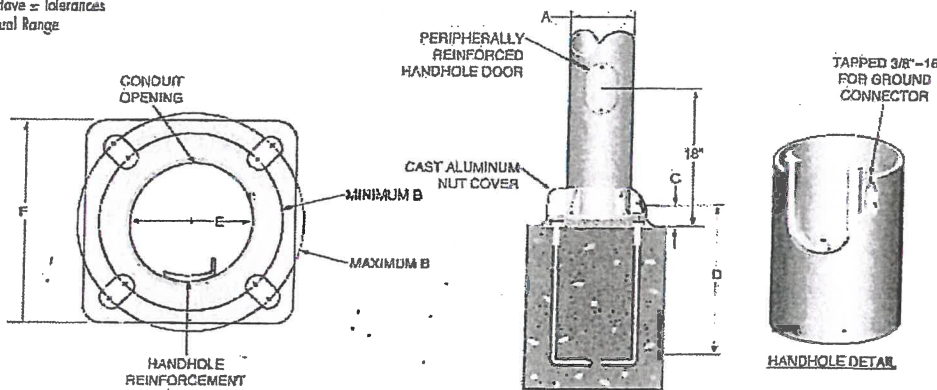
# 20' TO 28' ROUND TAPERED 4-BOLT ANCHOR BASE POLES



## ANCHOR BASE AND BOLT DETAIL

A POLE DIAMETER	B BOLT CIRCLE	C BOLT PROJECTION	D BOLT SIZE	E CONDUIT OPENING	F BASE SIZE
5"	7-1/2" - 9-1/2"	3-1/4"	3/4" x 17"	4-1/2"	9-1/4"
6"	8-3/4" - 10-1/4"	3-1/2"	3/4" x 17"	5-1/2"	10-1/4"
7"	9-7/8" - 11-1/4"	4-1/8"	1" x 36"	6-1/2"	10-5/8"
8"	11" - 12-1/8"	4-1/4"	1" x 36"	7-1/2"	11-5/8"
10"	14-1/2"	4-1/2"	1" x 36"	9-1/2"	14-1/2"
*10"	14-1/2"	5"	1-1/4" x 42"	9-1/2"	14-1/2"

\* Ø 250" Wall or larger  
 † 10" Base Bolt Circles Have ± Tolerances  
 Contact Factory for Actual Range



## DIMENSIONAL AND LOAD DATA

TYPICAL WEIGHT AND ALLOWABLE SIZE OF LUMINAIRES*							DIMENSIONS OF POLES				
NOMINAL MOUNTING HEIGHT	TYPICAL LUMINAIRE WEIGHT (LBS.)	EFFECTIVE PROJECTED AREA IN SQUARE FEET AT:					POLE HEIGHT	TOP	BASE	WALL	MODEL NUMBER**
		70 MPH	80 MPH	90 MPH	100 MPH	110 MPH					
20'	150	7.1	4.6	2.9	1.9	1.2	19'8"	3'	5"	.125"	1908 - 30504T4
20'	150	9.8	6.6	4.6	3.2	2.2	19'8"	3'	5"	.156"	1908 - 30505T4
20'	150	12.5	8.7	6.1	4.5	3.3	19'8"	3'	5"	.188"	1908 - 30506T4
20'	150	15.9	11.3	8.4	6.6	5.2	19'8"	4'	6"	.156"	1908 - 40605T4
20'	150	19.9	14.4	10.8	8.5	6.8	19'8"	4'	6"	.188"	1908 - 40606T4
20'	150	23.9	17.6	13.4	10.6	8.6	19'8"	4'	7"	.156"	1908 - 40705T4
23'	150	11.8	8.0	5.6	4.4	3.3	22'8"	4'	6"	.156"	2208 - 40605T4
23'	150	14.2	10.6	7.8	6.0	4.7	22'8"	4'	6"	.188"	2208 - 40606T4
23'	150	17.7	13.4	10.0	7.8	6.2	22'8"	4'	7"	.156"	2208 - 40705T4
23'	150	26.5	19.5	15.1	11.9	9.5	22'8"	4.5'	8"	.156"	2208 - 45805T4
23'	150	32.8	24.4	18.8	15.1	12.1	22'8"	4.5'	8"	.188"	2208 - 45806T4
25'	150	9.5	6.2	4.2	3.1	2.4	24'8"	4'	6"	.156"	+2408 - 40605T4
25'	150	12.7	8.6	6.1	4.6	3.5	24'8"	4'	6"	.188"	2408 - 40606T4
25'	150	15.8	11.2	8.2	6.4	4.9	24'8"	4'	7"	.156"	2408 - 40705T4
25'	150	22.8	16.7	12.8	10.0	8.0	24'8"	4.5'	8"	.156"	2408 - 45805T4
25'	150	28.5	21.2	16.2	12.8	10.4	24'8"	4.5'	8"	.188"	2408 - 45806T4
28'	150	12.0	8.1	5.8	4.2	3.3	27'8"	4'	7"	.156"	+2708 - 40705T4
28'	150	18.2	13.1	9.9	7.6	6.0	27'8"	4.5'	8"	.156"	2708 - 45805T4
28'	150	23.2	16.9	12.9	10.1	8.0	27'8"	4.5'	8"	.188"	2708 - 45806T4
28'	150	32.6	24.1	18.6	14.7	11.8	27'8"	4.5'	8"	.250"	2708 - 45808T4
28'	200	41.6	31.3	24.2	19.2	15.3	27'8"	6'	10"	.188"	2708 - 60106T4
28'	300	56.2	42.6	33.2	26.4	21.2	27'8"	6'	10"	.250"	2708 - 60108T4

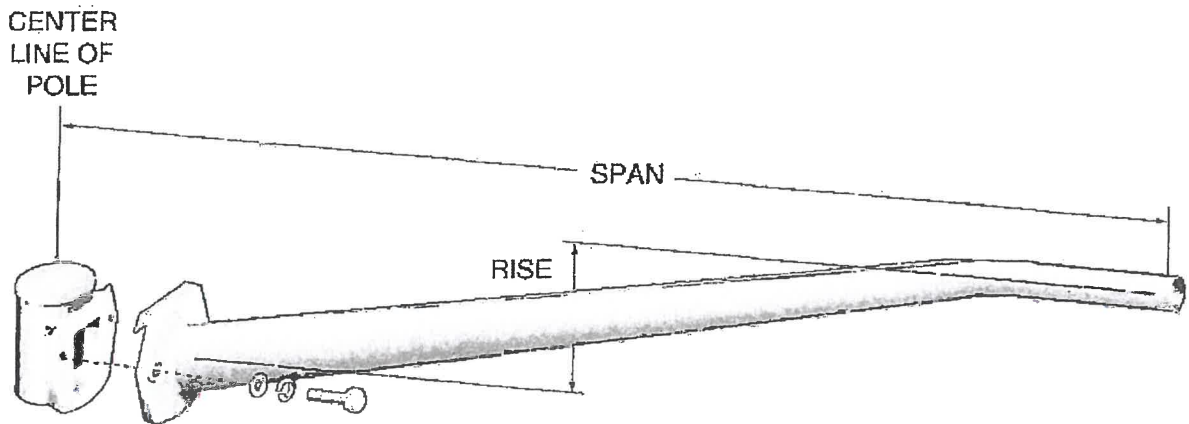
### SECTIONS 7 AND 8 FOR MOUNTING ARMS ON POLES.

EPA calculations are based on a 1.3 Gust Factor. Vaneless fans sizes listed above, available upon inquiry at the factory. Satisfactory performance of lighting poles is dependent upon the pole being properly attached to a supporting foundation of adequate design. Valmont does not design or offer recommendations for foundations.

\*\* Model number does not include mounting options or finish designation  
 + Pole includes factory included vibration dampener

SFC2009 05/02 - This spec supersedes all previous publications

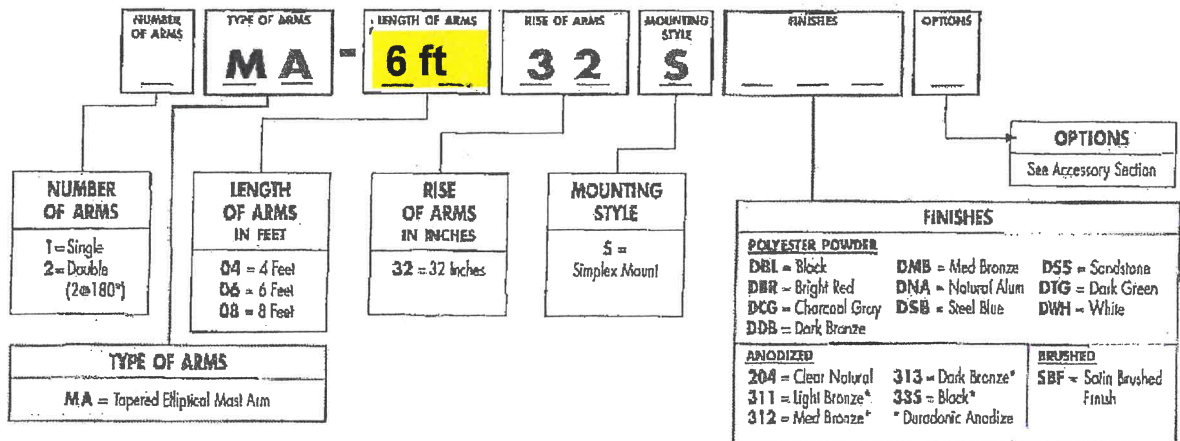


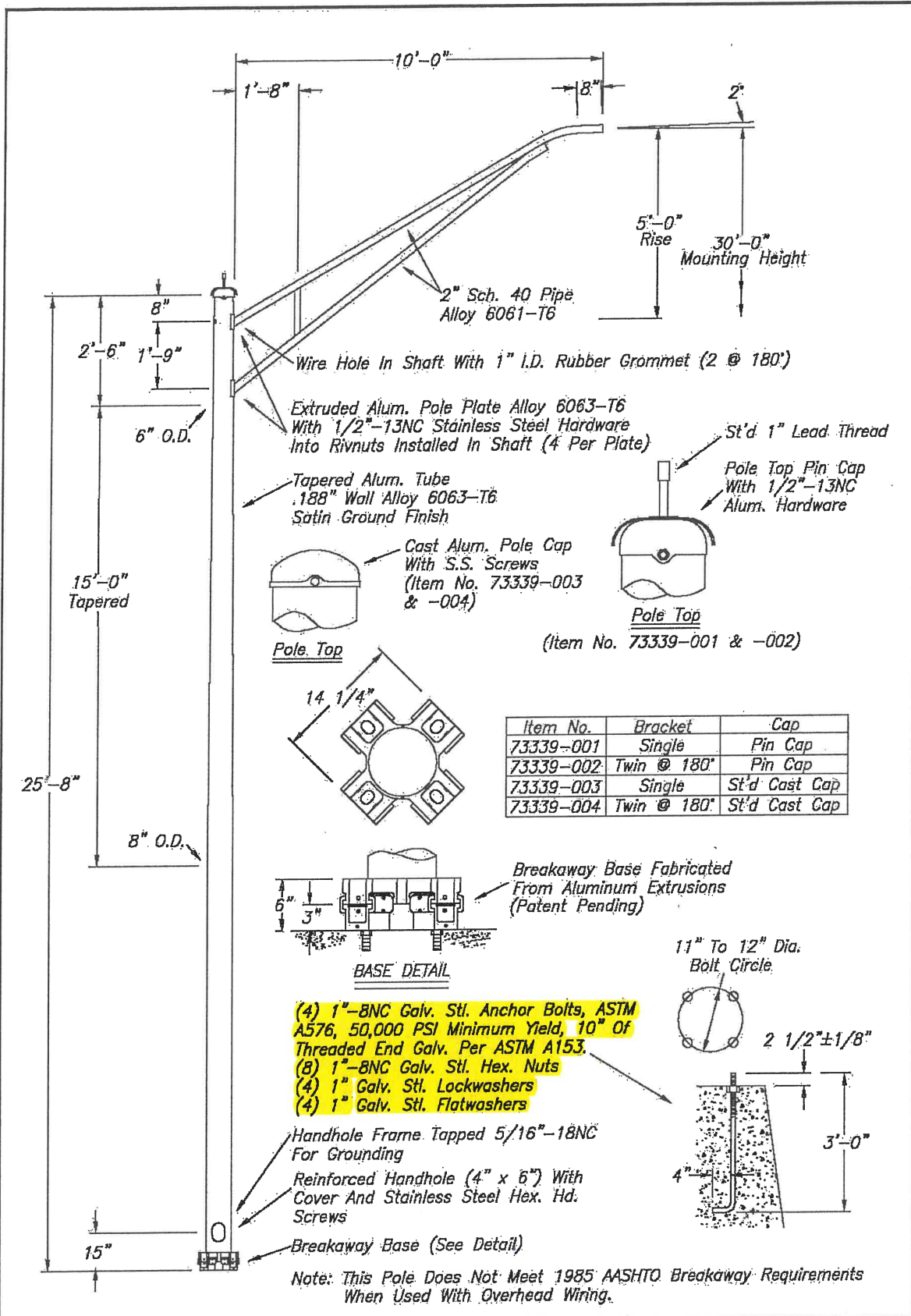


**SIMPLEX MOUNT SPECIFICATIONS**

- The mast arm is conically tapered from 3-1/2" O.D. x .125" wall 6063 alloy extruded aluminum tube to 2-3/8" O.D. (2" pipe size) at the luminaire end. The tapered tube is elliptical with the long axis oriented vertically. The arm is joined to the attachment system by a continuous circumferential weld. Each arm is heat treated after welding to produce a T6 temper. All arms are etched to create a satin finish. A 1-5/8" O.D. (1-1/4" pipe size) cast aluminum tenon may be installed in the luminaire end of the arm. Architectural finishes available are: paint, duranodic or natural anodized. All arms have a 32" rise. For additional information, contact your Valmont Representative.
- Simplex mounted mast arms are held in place by (2) interlocking aluminum castings. One is welded to the lighting standard and the second one is welded to the mast arm. The connection is secured with (2) series 300 stainless steel 1/2"-13 UNC bolts, washers, and lock washers. Simplex arms fit 4", 4-1/2", and 6" O.D. pole tops. A 1" I.D. rubber grommet is installed in the wireway. Unless otherwise directed, the first mast arm will be 90° to the right of the handhole, the second mast arm will be located 180° from the first.
- The following charts show the maximum allowable fixture EPA for the five wind zones acknowledged by AASHTO. The allowable EPA is based on a fixture weighing 75 pounds unless noted on the chart.
- Alternative arm lengths, rises, and mounting systems are available.

**CATALOG LOGIC**





B73339

NO.	REVISIONS	DATE
1	Note Added	8-93
2	Was 73486 Base	1-95
3	-003 & -004 Added To Table	6-97
4	Added 2'-6" Straight @ Top Of Shaft	6-97

**WARNING: DO NOT INSTALL LIGHTING POLES WITHOUT LUMINAIRES**

**hapco**

Abingdon, Va.

TITLE 30' LIGHTING POLE

CUSTOMER NORTH LITTLE ROCK, ARK.

SCALE 3/2 DATE 06/24/1993

BY LW DWG. NO. B73339

CHK'D

## GENERAL TERMS AND CONDITIONS FOR THE CITY OF NORTH LITTLE ROCK, AR

1. When submitting an "Invitation to Bid," the bidder warrants that the commodities covered by the bid shall be free from defects in material and workmanship under normal use and service. In addition, bidder must deliver new commodities of the latest design and model, unless otherwise specified in the "Invitation to Bid."
2. Prices quoted are to be net process, and when an error is made in extending total prices, the City may accept the bid for the lesser amount whether reflected by extension or by the correct multiple of the unit price.
3. Discounts offered will be taken when the City qualifies for such. The beginning date for computing discounts will be the date of invoice or the date of delivery and acceptance, whichever is later.
4. When bidding other than the brand and/or model specified in the "Invitation to Bid," the brand and/or model number must be stated by that item in the "Invitation to Bid," and descriptive literature be submitted with the bid.
5. The City reserves the right to reject any and all bids.
6. The Purchasing office reserves the right to award items, all or none, or by line item(s).
7. Quality, time and probability of performance may be factors in making an award.
8. Bid quotes submitted will remain firm for 30 calendar days from bid opening date; however, the prices may remain firm for a longer period of time if mutually agreeable between bidder and the Department of Commerce.
9. Bidder must submit a completed signed copy of the front page of the "Invitation to Bid" and must submit any other information required in the "Invitation to Bid."
10. In the event a contract is entered into pursuant to the "Invitation to Bid," the bidder shall not discriminate against any qualified employee or qualified applicant for employment because of race, sex, color, creed, national origin or ancestry. The bidder must include in any and all subcontracts a provision similar to the above.
11. Sales or use tax is not to be included in the bid price, but is to be added by the vendor to the invoice billing to the City. Although use tax is not to be included in this bid, vendors are to register and pay tax direct to the Arkansas State Revenue Department.
12. Prices quoted shall be "Free on Board" (F.O.B.) to destination at designated facility in North Little Rock. Charges may not be added after the bid is opened.
13. In the event of two or more identical low bids, the contract may be awarded arbitrarily or for any reason to any of such bidders or split in any proportion between them at the discretion of the Department of Commerce..
14. Specifications furnished with this Invitation are intended to establish a desired quality or performance level, or other minimum dimensions and capacities, which will provide the best product available at the lowest possible price. Other than designated brands and/or models approved as equal to designated products shall receive an equal consideration.
15. Samples of items when required, must be furnished free, and, if not called for within 30 days from date of bid opening, will become property of the City.
16. Bids will not be considered if they are:
  1. Submitted after the bid's opening time.
  2. Submitted electronically or faxed (unless authorized by Purchasing Agent).
17. Guarantees and warranties should be submitted with the bid, as they may be a consideration in making an award.

18. **CONSTRUCTION**

- A. Contractor is to supply the City with evidence of having and maintaining proper and complete insurance, specifically Workman's Compensation Insurance in accordance with the laws of the State of Arkansas, Public Liability and Property Damage. All premiums and cost shall be paid by the Contractor. In no way will the City be responsible in case of accident.
- B. When noted, a Certified check or bid bond in the amount of 5% of total bid shall accompany bid.
- C. A Performance Bond equaling the total amount of any bid exceeding \$35,000.00 must be provided for any contract for the repair, alteration or erection of any public building, public structure or public improvement (pursuant to Arkansas Code Annotated Section 22-9-203).

19. **LIQUIDATED DAMAGES** - Liquidated damages shall be assessed beginning on the first day following the maximum delivery or completion time entered on this bid form and/or provided for by the plans and specifications.

20. **AMBIGUITY IN BID** - Any ambiguity in any bid as the result of omission, error, lack of clarity or non-compliance by the bidder with specifications, instructions, and all conditions of bidding shall be construed in the light most favorable to the City.

21. The bid number should be stated on the face of the sealed bid envelope. If it is not, the envelope will have to be opened to identify.

22. Whenever a bid is sought seeking a source of supply for a specified period of time for materials and services, the quantities of usage shown are estimated ONLY. No guarantee or warranty is given or implied by the participants as to the total amount that may or may not be purchased from any resulting contracts. These quantities are for the bidders information ONLY and will be used for tabulation and presentation of bid and the participant reserves the right to increase or decrease quantities as required.

23. The City of North Little Rock reserves the right to reject any and all bids, to accept in whole or in part, to waive any informalities in bids received, to accept bids on materials or equipment with variations from specifications in those cases where efficiency of operation will not be impaired, and unless otherwise specified by the bidder, to accept any item in the bid. If unit prices and extensions thereof do not coincide, the City of North Little Rock may accept the bid for the lesser amount whether reflected by the extension or by the correct multiple of the unit price.

24. Additional information or bid forms may be obtained from:  
COMMERCE DEPARTMENT, 120 Main Street, P.O. Box 5757, North Little Rock, Arkansas 72119 (501)975-8881  
[www.nlr.ar.gov](http://www.nlr.ar.gov)

**Bidding documents must be submitted on or before the bid's opening date and time. Unless noted, bids must be sealed and mailed or delivered to:**

**Commerce Department  
120 Main Street (P.O. Box 5757)  
North Little Rock, AR 72119**