



With both turn of the century roots and contemporary vision, Millerbernd Manufacturing Company has created an extensive selection of decorative outdoor lighting structures and accessories. Whether you are looking to restore the scenery of a historic downtown or create a modern appeal in a booming city, our sales staff and in-house engineers are ready to assist you in finding the perfect lighting structure to fit your project and budget.

The decorative structures and accessories listed within this catalog are just the beginning of Millerbernd Manufacturing Company's capabilities in decorative lighting structures. With Millerbernd, the possibilities are limitless.





DECORATIVE LIGHTING



















CAST FINIALS

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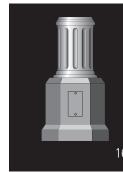
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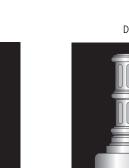
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GLENDALE



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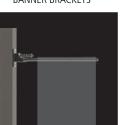












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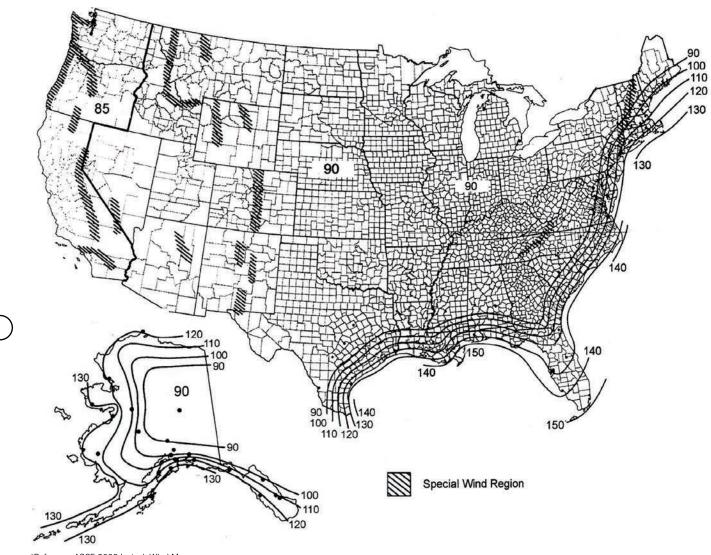
FLAG HOLDERS





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WIND ZONE VELOCITY MAP



*Reference ASCE 2009 Isotach Wind Map

DESIGN CRITERIA

Millerbernd Manufacturing Company product standards are designed for ground mounted applications. Products located in area of known abnormal wind conditions or mounted on structures, bridges, or buildings require factory consultation. Height correction and drag coefficient are applied to the entire structure.

Millerbernd Manufacturing Company standard lighting structures are designed to meet **AASHTO 2013** standards.

Maximum EPA calculations are based on a weight to EPA ratio of approximately 25 pounds per square foot.



CAST ALUMINUM ACCESSORY PRODUCT ORDERING CODE

EXAMPLE	
DES-061-E-070-250-R-FP-BSP- (Lighting Structure Assembly)	BAAR (Augusta Round Base Cover)
Light Pole Assembly Part Number	Accessories

Cast Aluminum Base Cover

BAA0 = Augusta Octagonal BAAR = Augusta Round BTA0 = Tuscaloosa Octagonal BTAR = Tuscaloosa Round BSD0 = Springfield Octagonal BSDR = Springfield Round BWN0 = Washington Octagonal BWNR = Washington Round

DECORATIVE BASE COVER

The decorative base cover is cast from <u>first run A319 alloy aluminum</u> and is constructed in two identical clamshells. Bases are not structural.

HARDWARE

Connecting hardware is stainless steel socket head bolts. Tamperproof hardware is available upon request.

ACCESS DOOR

Each base half is identical and fitted with an integral door to fit the appearance of the base. Doors are supplied with stainless steel socket style screws.

POLE TOLERANCE

The base is designed to wrap around the pole with a tolerance of 0.25" of maximum clearance between the pole and base cover. For fluted poles, flutes will start 2" above the top of the base cover.

Cast Aluminum Arms

CAMS = MemphisCALG = LansingCAOA = OlympiaCACD = Concord CAAN = Arlington CAVA = Ventura CAPH = Plant Hanger

BBNF = Burlington Fluted

BGES = Glendale Smooth

BGEF = Glendale Fluted

BRHF = Raleigh

BHDF = Hartford

BTOS = Toledo

BBNS = Burlington Smooth

DECORATIVE CAST ARMS

The decorative arm is cast from first run A319 alloy aluminum.

HARDWARE

Connecting hardware is stainless steel socket head bolts. Tamperproof hardware is available upon request.

Cast Aluminum Finials

BCA0 = Augusta Octagonal BCAR = Augusta Round BCS0 = Springfield Octagonal BCSR = Springfield Round BCP0 = Providence Octagonal BCPR = Providence Round BCPF = Burlington Fluted BCBS = Burlington Smooth BCGS = Glendale Smooth BCGF = Glendale Fluted BCRF = Raleigh BCHF = Hartford BCTS = Toledo

DECORATIVE CAST FINIALS

The decorative arm is cast from recycled A319 alloy aluminum.

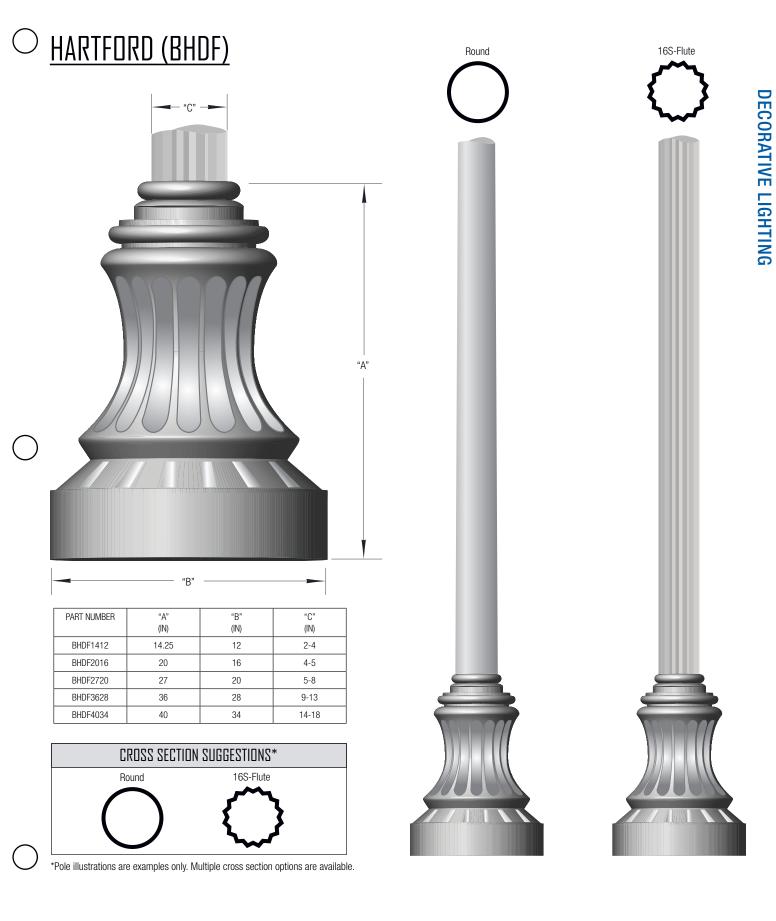
HARDWARE

Connecting hardware is stainless steel socket head bolts. Tamperproof hardware is available upon request.

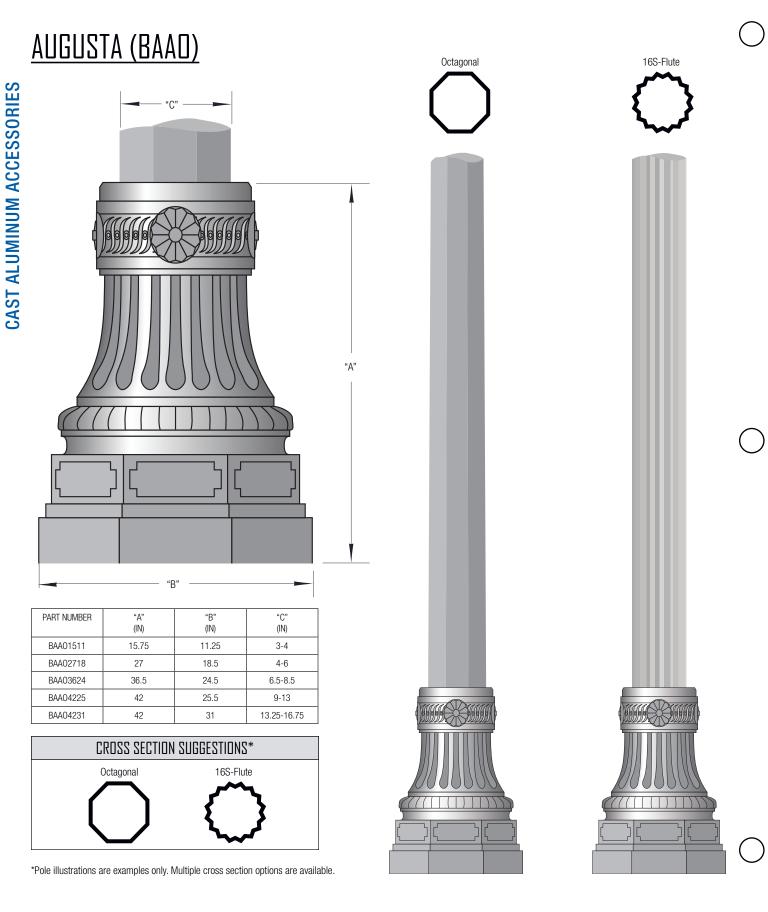


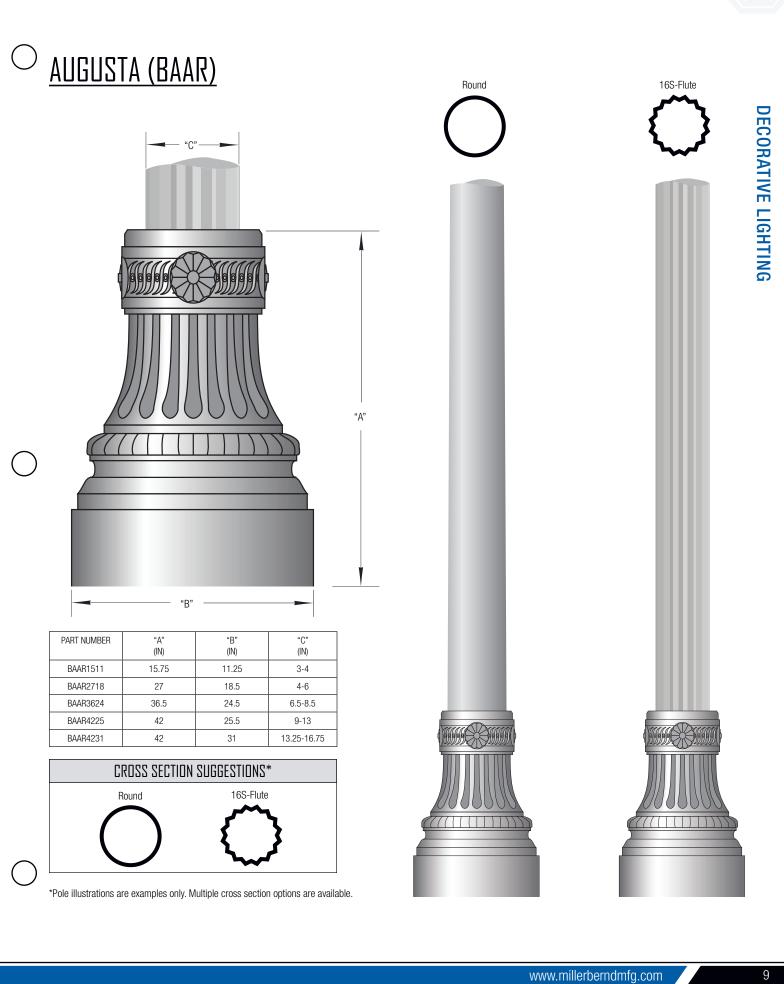


All aluminum accessories are melted and cast in the United States of America



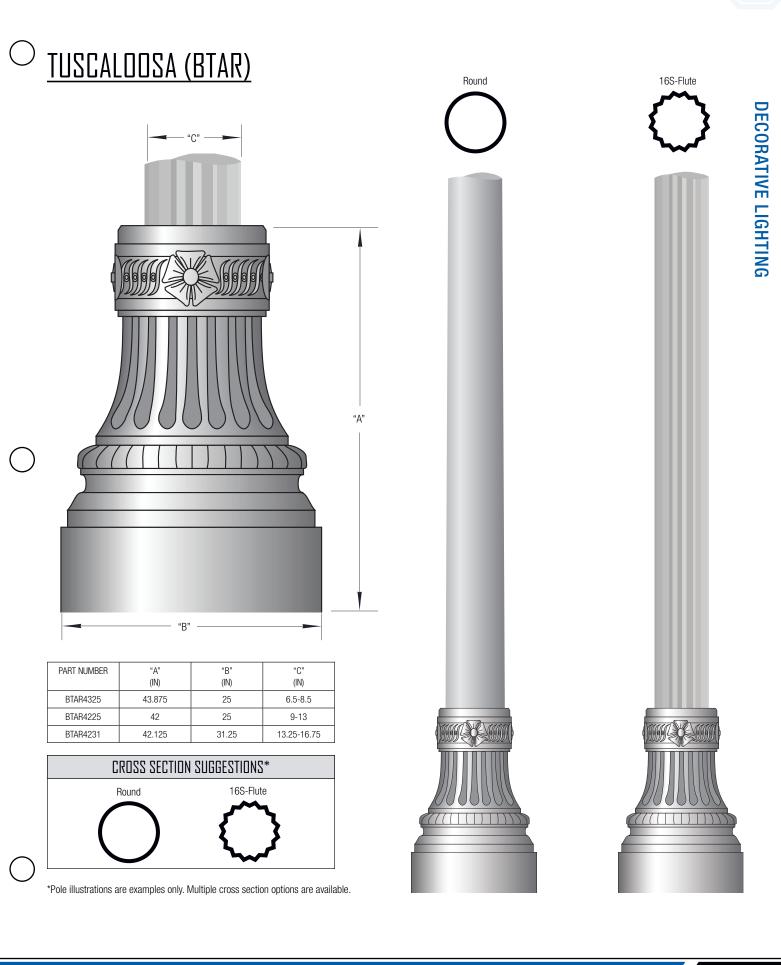




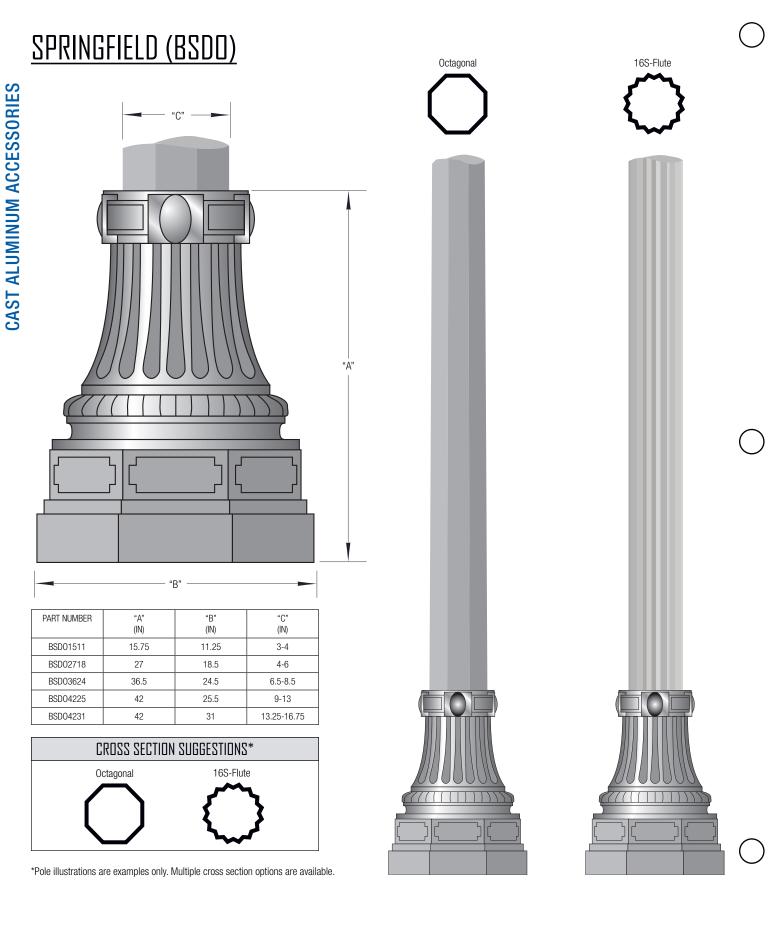


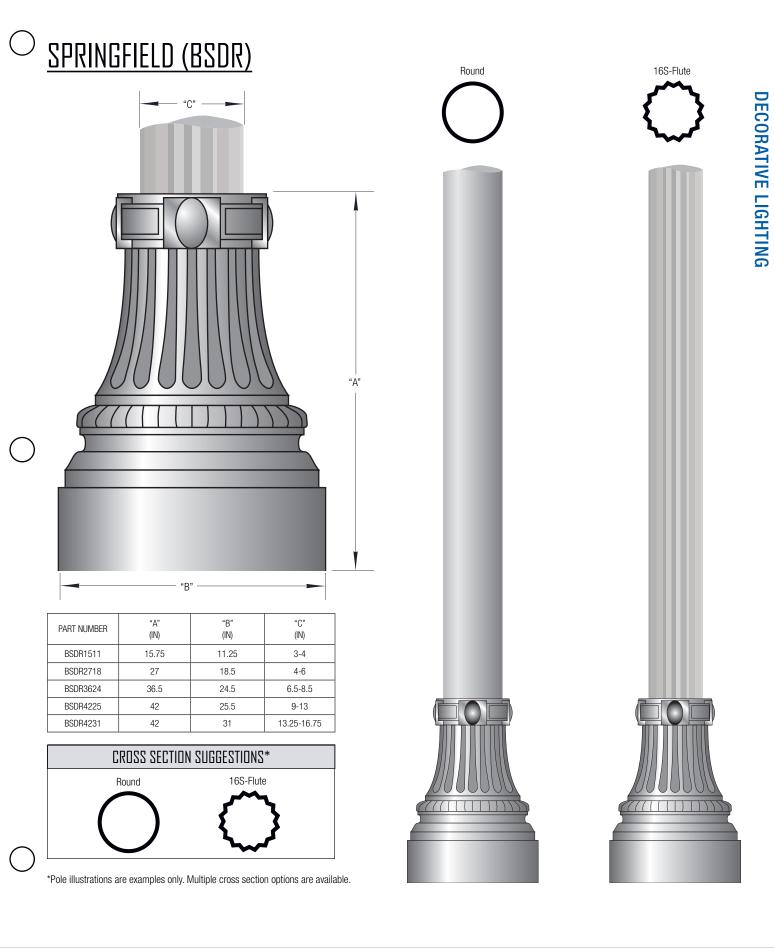


TUSCALOOSA (BTAO) 16S-Flute Octagonal **CAST ALUMINUM ACCESSORIES** С "A" "B" PART NUMBER "A" "B" "C" (IN) (IN) (IN) 43.875 25 BTA04325 6.5-8.5 BTA0425 42 25 9-13 6205166 BTA04231 42.125 31.25 13.25-16.75 CROSS SECTION SUGGESTIONS* Octagonal 16S-Flute *Pole illustrations are examples only. Multiple cross section options are available.

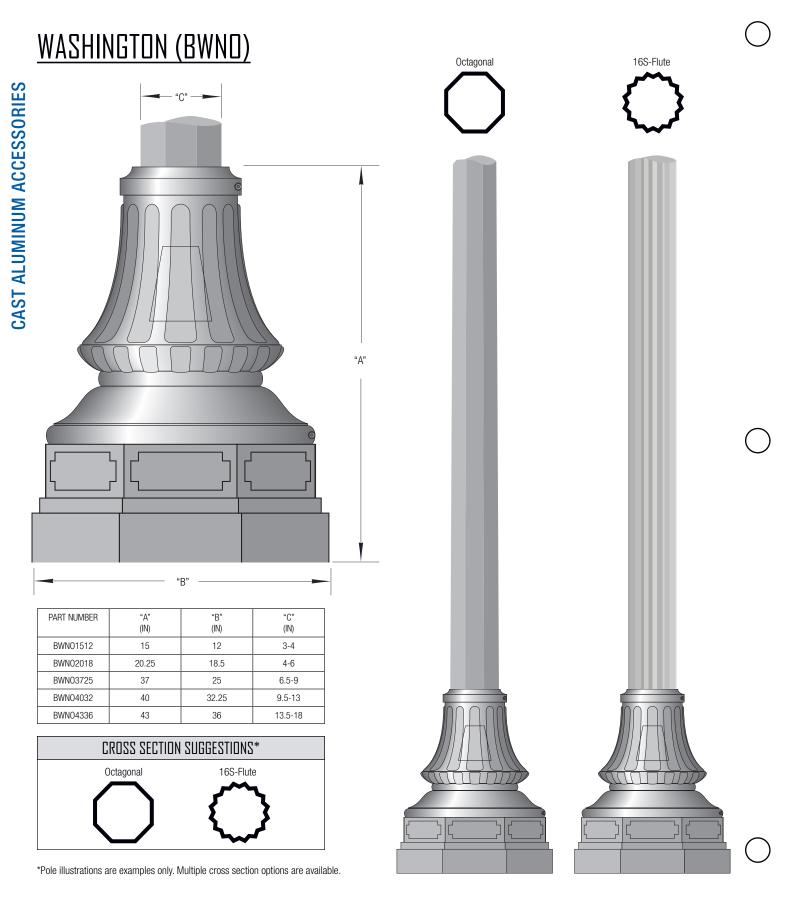


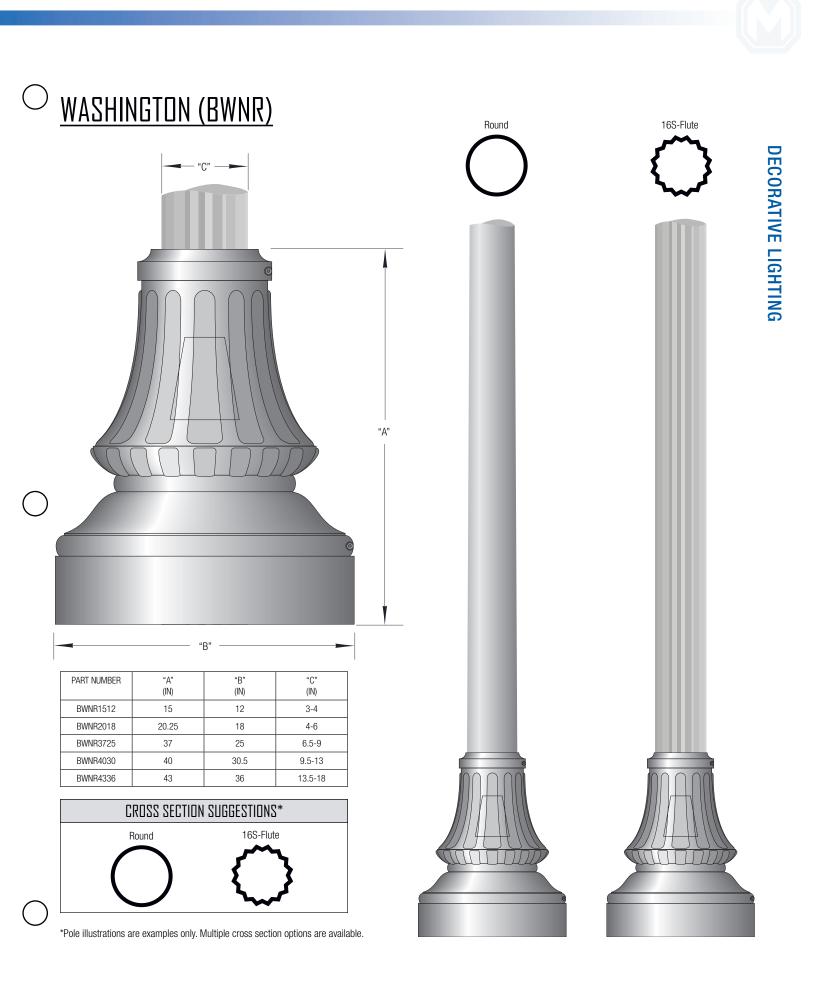








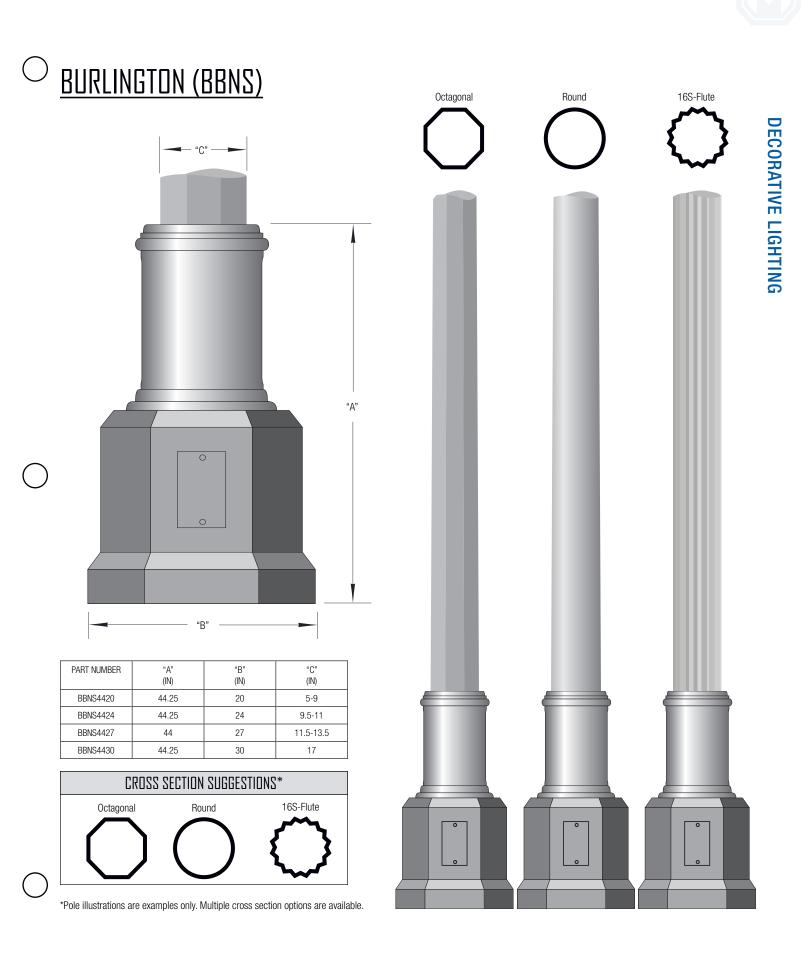






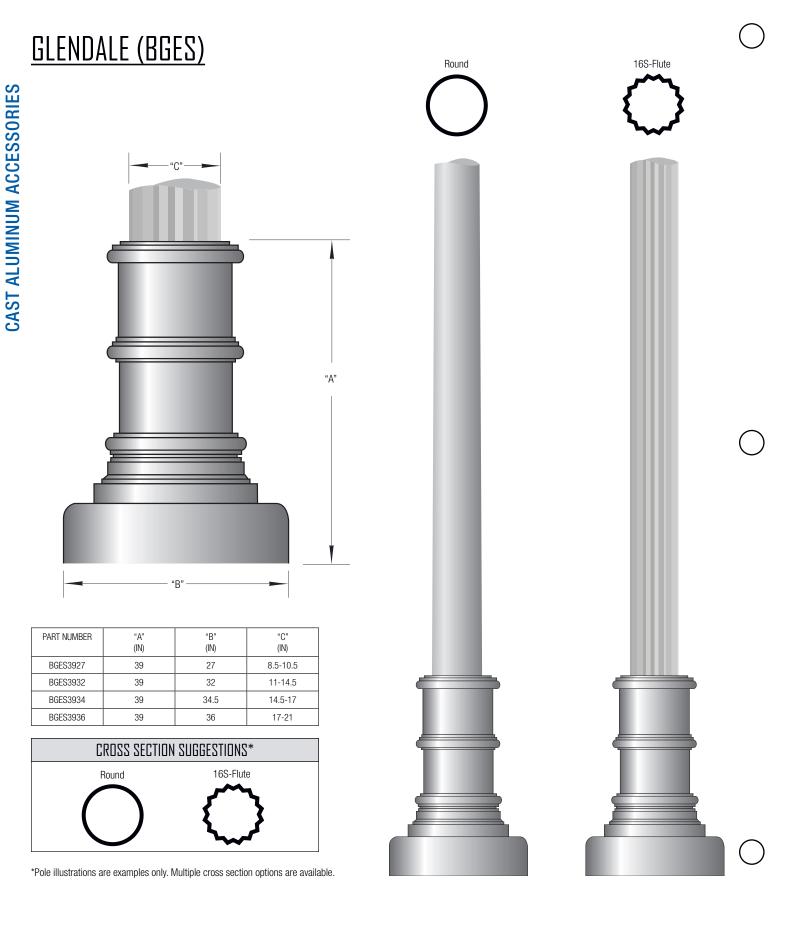
CAST ALUMINUM ACCESSORIES

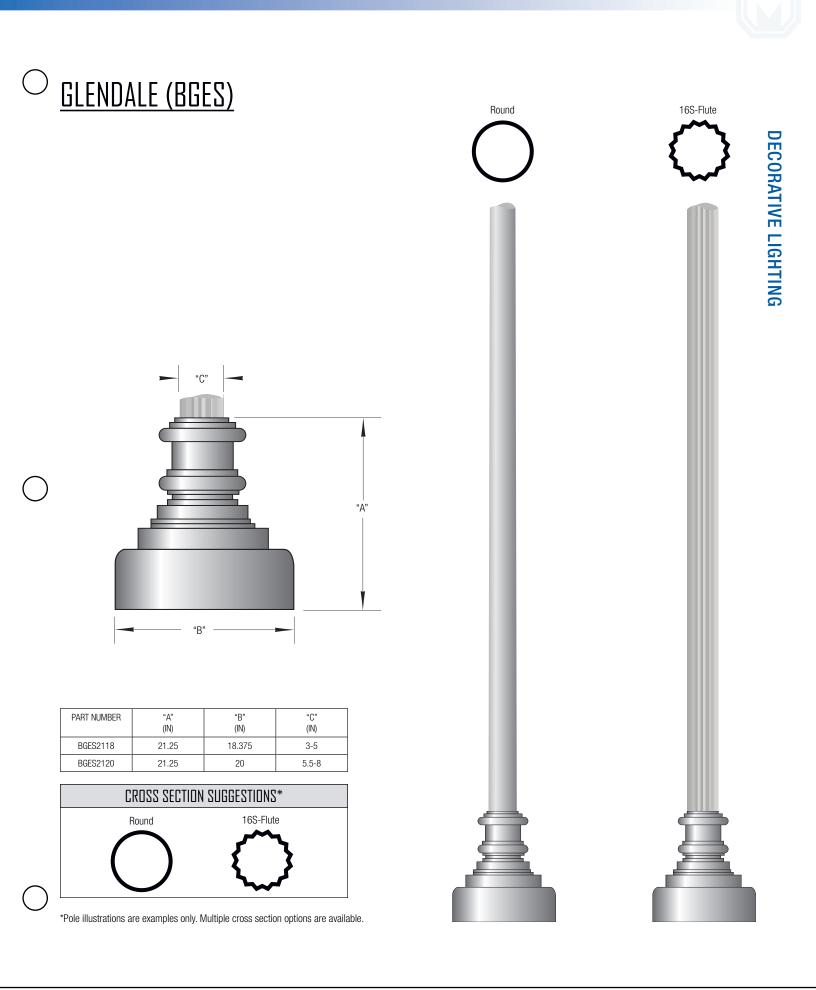
BURLINGTON (BBNF) 16S-Flute Octagonal Round "C" "A" 0 0 "B" "A" (IN) "C" PART NUMBER "B" (IN) (IN) 44.25 BBNF4420 20 5-9 44.25 BBNF4424 24 9.5-11 BBNF4427 44 27 11.5-13.5 BBNF4430 44.25 30 17 CROSS SECTION SUGGESTIONS* Octagonal Round 16S-Flute *Pole illustrations are examples only. Multiple cross section options are available.



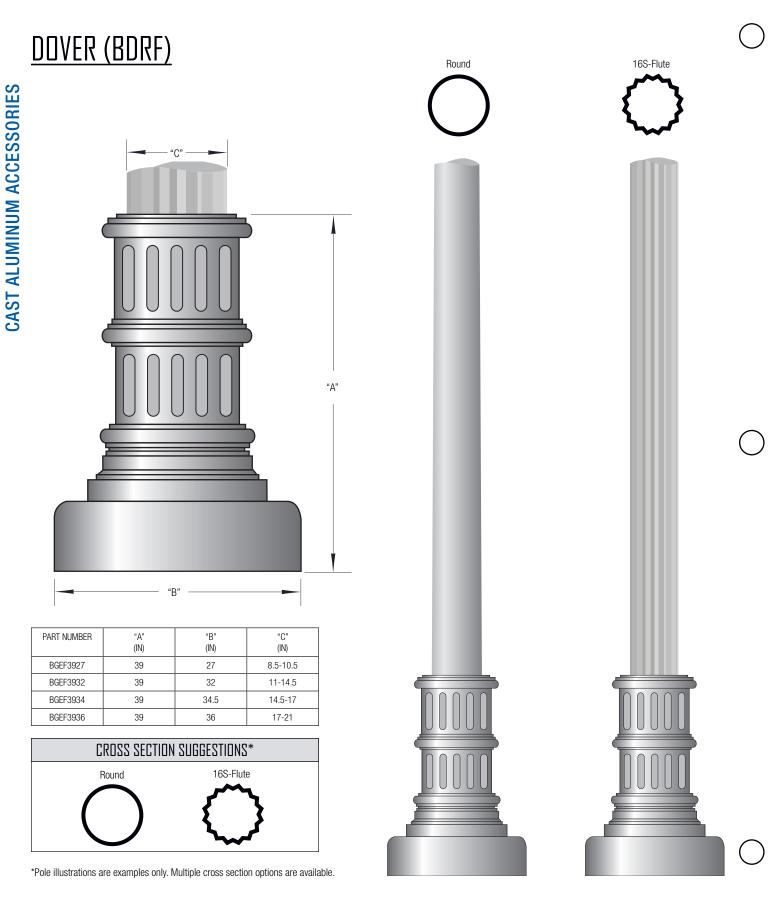
www.millerberndmfg.com

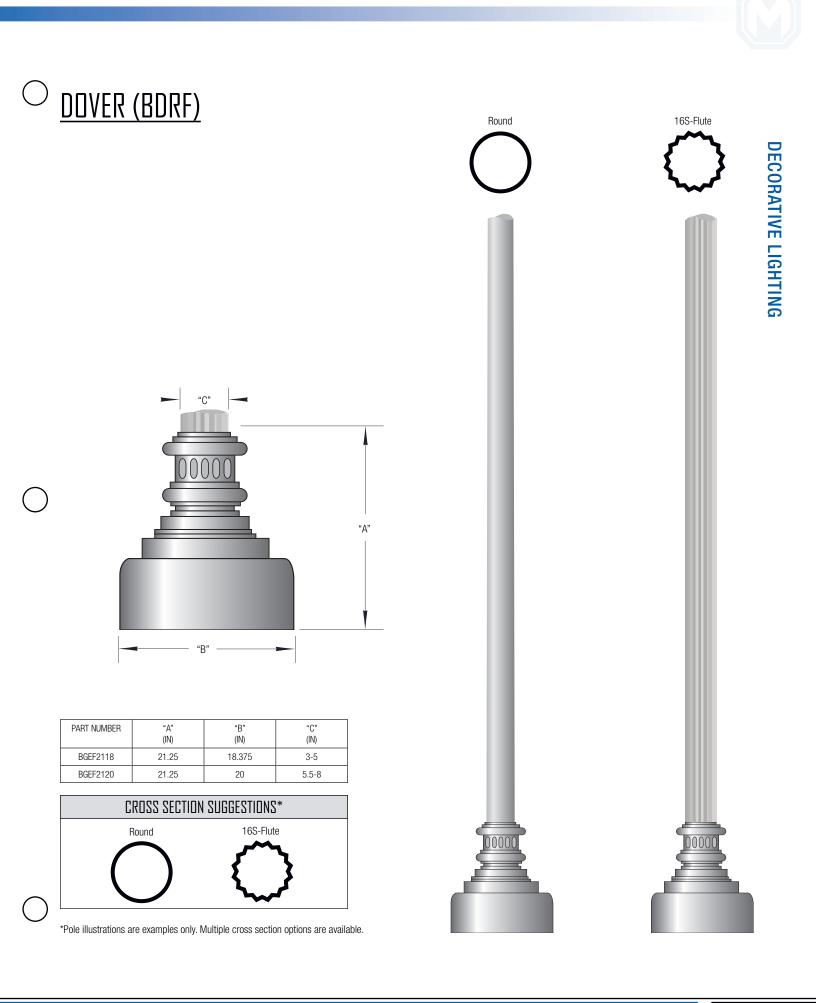








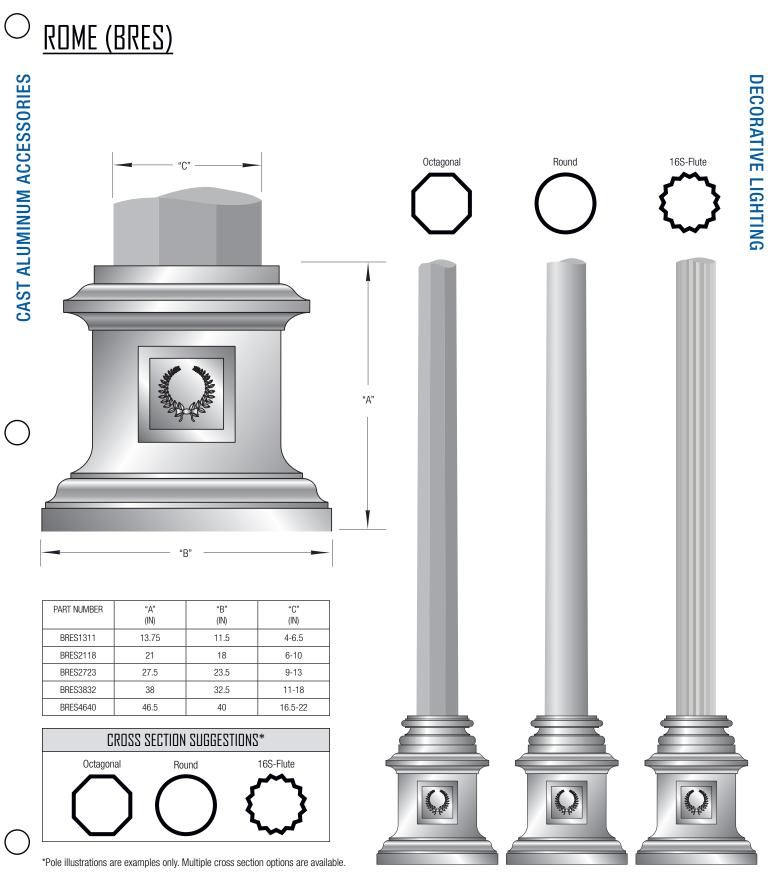






CAST ALUMINUM ACCESSORIES

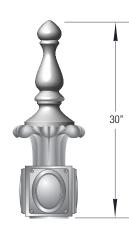
RALEIGH (BRHF) 16S-Flute Round "A" "B" "A" (IN) PART NUMBER "B" "C" (IN) (IN) BRHF2410 24 10 4 BRHF3015 30 15 4-6 45 BRHF4519 19 6-8.5 BRHF5127 51.125 27 9-13 BRHF5134 51 34.5 13-17.5 CROSS SECTION SUGGESTIONS* Round 16S-Flute *Pole illustrations are examples only. Multiple cross section options are available.





<u>CAST FINIALS</u>

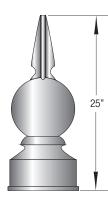
Since finials and pole caps come in all different shapes and sizes, Millerbernd has created a variety of styles to fit the needs of the designer. Based on your needs and specifications, our finials are cast as one piece or custom designed as individual parts welded together to form a single unit. Find the perfect finial to match your decorative lighting application today by contacting our experienced sales professionals. SCOTTSDALE (CFSE)



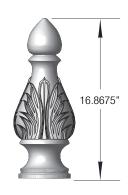
CONCORD (CFCD)



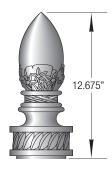
TUSCALOOSA (CFTA)



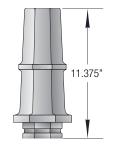
ODESSA (CFOA)



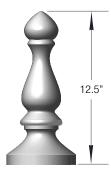
NEWARK (CFNK)



AURORA (CFAA)



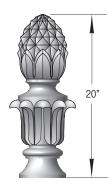
SALEM (CFSM)



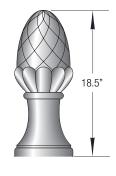
COLUMBUS (CFCS)



FRESNO (CFFO)



PALMDALE (CFPE)



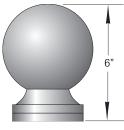
DECORATIVE LIGHTING

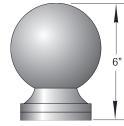
NEW ORLEANS (CFNO) FRISCO (CFFO) HELENA (CFHA) **TRENTON (CFTN)** Y J 5.25" 8" 9"

VISTA (CFVA)

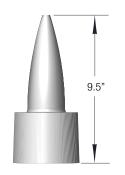


MADISON (CFMN)





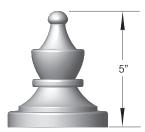
DURHAM (CFDM)



DULUTH (CFDH)



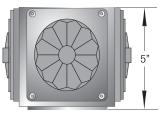
ALBANY (CFAY)







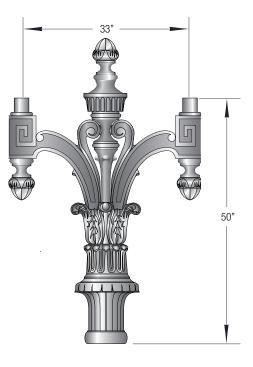
PORTLAND (CFPD)



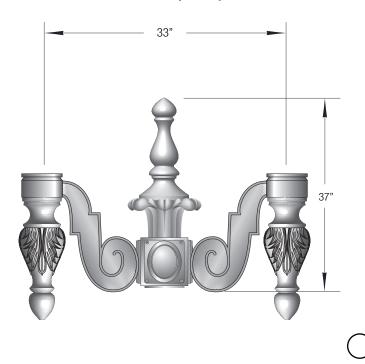


<u>CAST ARMS</u>

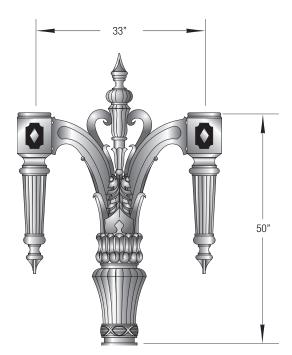
It is no secret that getting wires through an arm casting can be aggravating and quite difficult. Our decorative arm castings are designed with a wireway in the hub of the arm to ease the process of threading wires through the arm. We also provide a pull line in each arm, making it simple to pull electric wires through the casting. Our cast arms are designed to facilitate luminaire attachment with a through bolt and/or set screws, depending upon your application. LANSING (CALG)



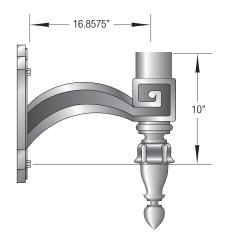
CONCORD (CACD)



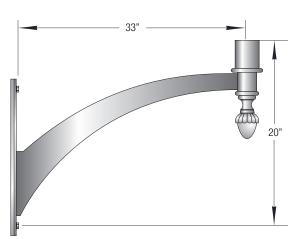
MEMPHIS (CAMS)



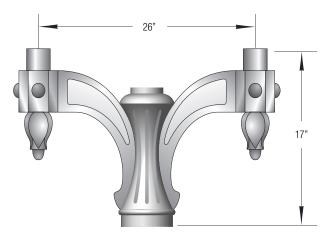




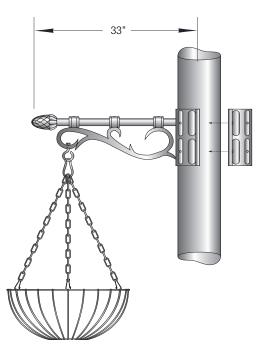




ARLINGTON (CAAN)

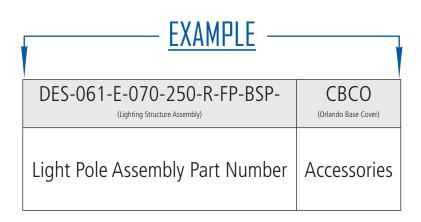


PLANT HANGER (CAPH)





<u>COMPOSITE ACCESSORY PRODUCT ORDERING CODE</u>



Composite Base Cover

CBCO = OrlandoCBCC = Columbia CBCF = Frankfort CBCN = Norfolk

DECORATIVE BASE COVER

The decorative base cover is cast from high density casting urethane. The base shall be a single unit slipover design with a fitted collar. Bases are not structural.

HARDWARE

Collars are to be secured in place with two set screws.

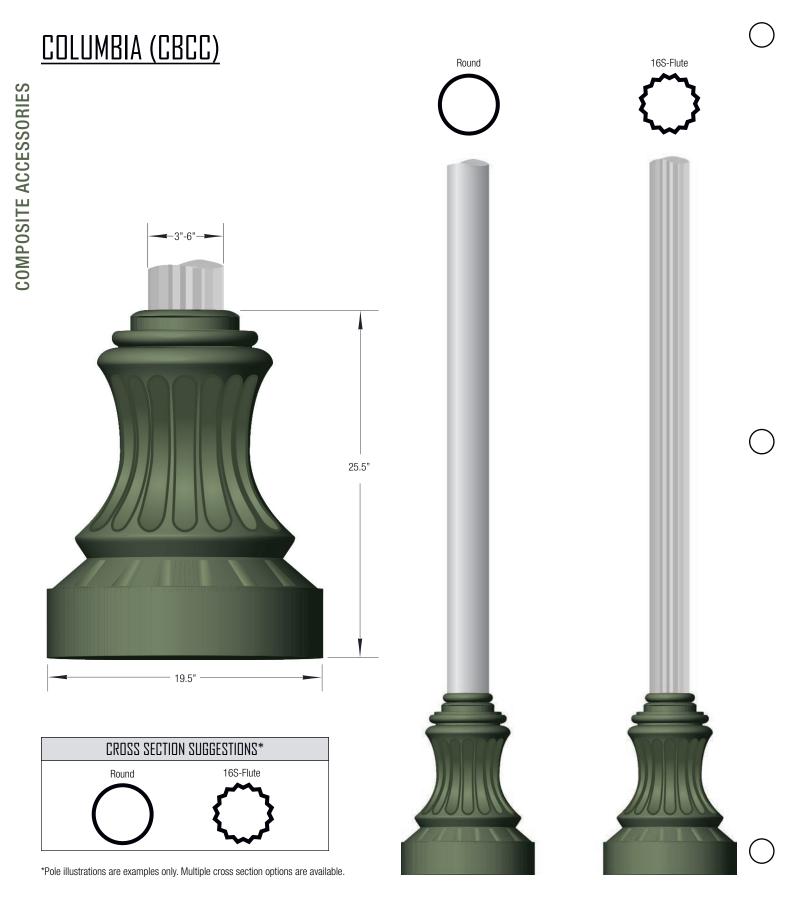
POLE TOLERANCE

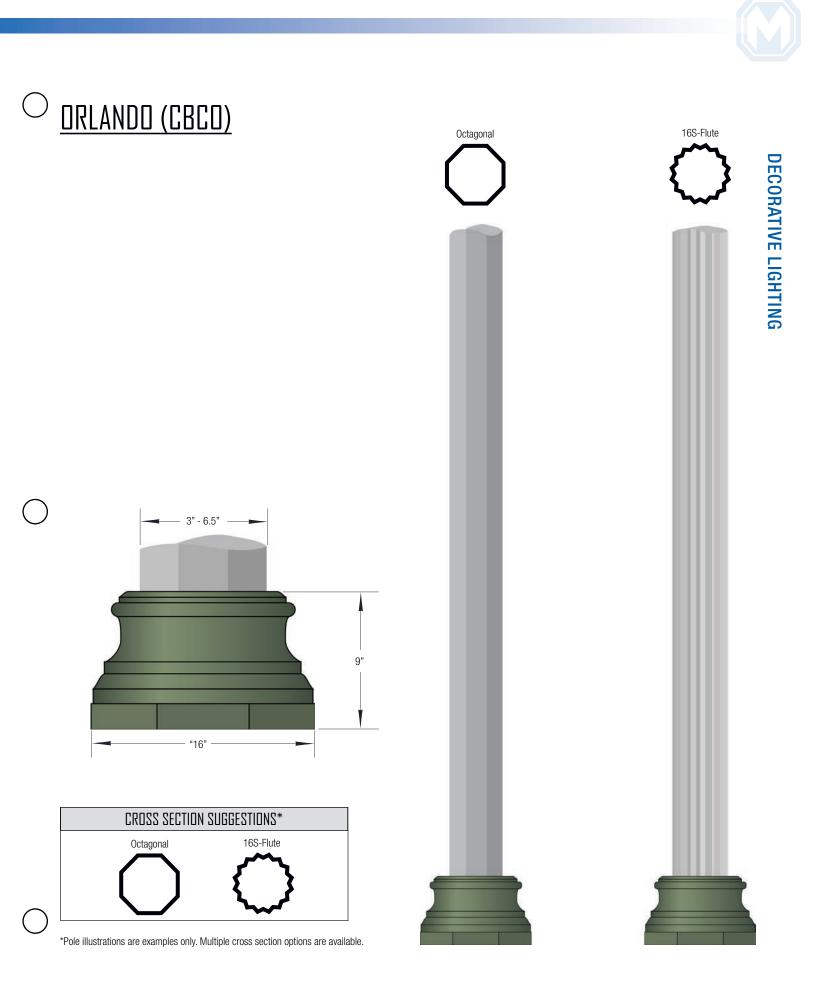
The base is designed to wrap around the pole with a tolerance of 0.25" of maximum clearance between the pole and base cover. For fluted poles, flutes will start 2" above the top of the base cover.

Millerbernd has developed the solution to the problems plaguing the decorative outdoor lighting structures industry. We offer composite base covers manufactured out of noncorrosive, high-quality polyurethane requiring little-to-no maintenance. Available in a wide range of graffiti-resistant color finishes, the low recyclable value of this composite material is the ideal solution to any vandalism or corrosion your lighting structures may face.

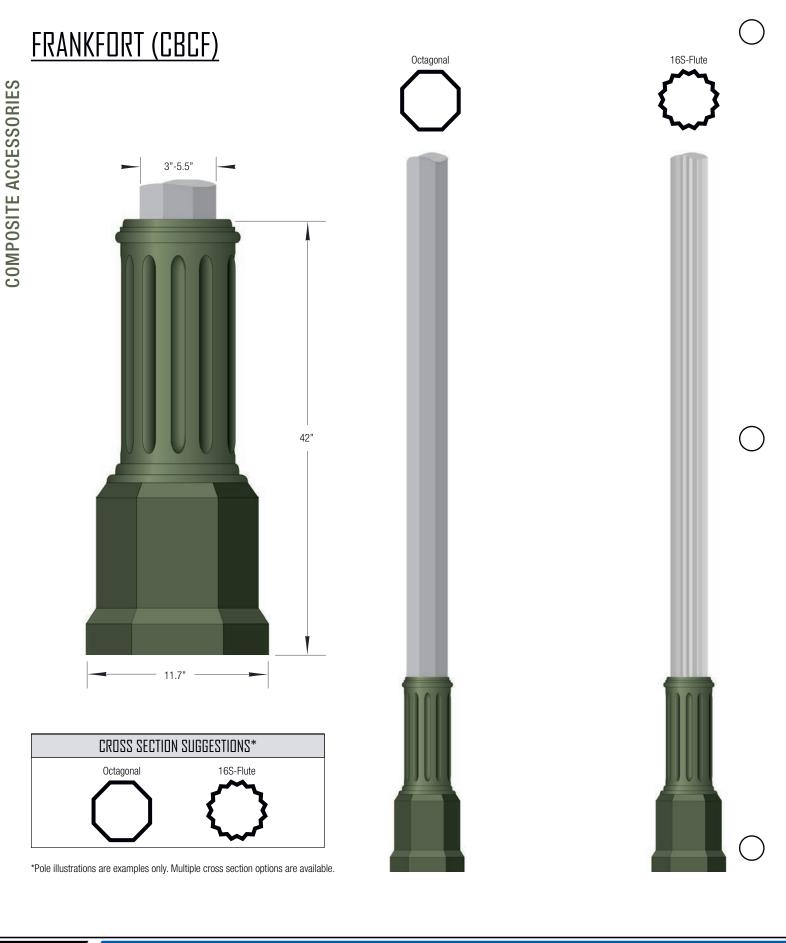


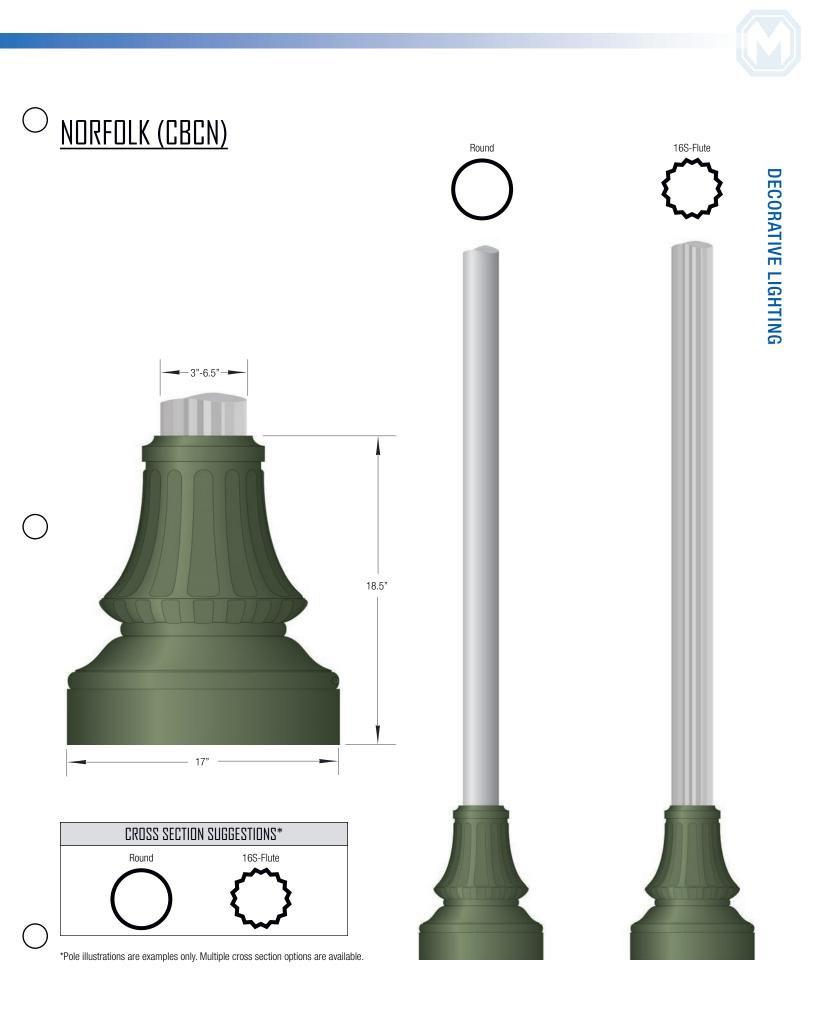














DECORATIVE STRUCTURES

As you know, most decorative lighting projects call for lighting both roadways and walkways. It can be frustrating and time consuming to match the correct pair of structures for a project. This is why we designed our decorative lighting structures as families not individuals. By choosing a structure family, you can rest easy knowing that both your roadway and walkway structures have a familiar aesthetic appeal to each other. However, if your roadway and walkway call for a more distinct and unique look, our families are designed to complement one another.

Millerbernd Manufacturing Company has five families of standard decorative structures:

- 1. Bemidji
- 2. Fairfax
- 3. Euro
- 4. Futura
- 5. Contemporary

If you need a lighting structure that is not shown within in this catalog, our sales and engineering professionals are ready to help you find the perfect solution for you lighting project.





<u>BEMIDJI (DBA)</u>

ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Each bolt comes fashioned with two flat washers and two hexagonal nuts.

BASE STYLE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company Decorative High Base. The base is fabricated from the same material as the pole shaft and stands 34 inches tall. The pole shaft is slip fitted and welded to the base.

SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 carbon steel or ASTM A240 Grade 201L stainless steel standards and is formed with a constant linear taper.

HANDHOLE

A reinforced doorway with cover, grounding lug, and hardware is provided with each pole assembly.

MOUNTING OPTIONS

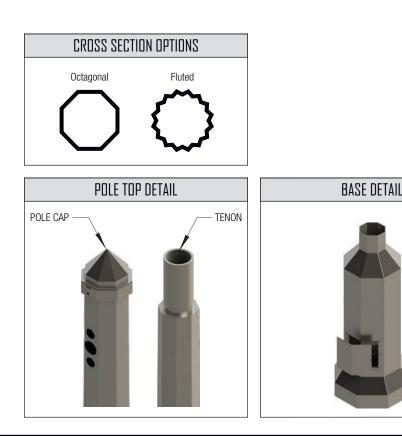
The pole is be specified with a single tenon mount for pole top mounting or side drilled pattern. For multiple fixtures, an adapter should be used. A removable pole cap shall be provided for poles specified with side drill luminaire mounting.

FINISH OPTIONS

Carbon steel poles are to be specified as hot-dip galvanized per ASTM A123 or finish painted with our standard Millerbond Wet Coat Finish. Stainless steel poles are to be specified as frost (rust resistant stainless steel shot blast) finished or finish painted with our standard Millerbond Wet Coat Finish.

HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength carbon steel or 18-8 stainless steel.



Mounting Height



CARBON STEEL

PART #	Mounting Height (FT)	WEIGHT (LBS.)	BASE 0.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
DBA-A-065-080	8	91	65	4	10.5	18.5	58.31	47.55	39.12	32.67	27.68	23.74	20.56
DBA-A-065-100	10	104	6.5	4	10.5	18.5	47.6	38.23	31.34	26.12	22.07	18.86	16.28
DBA-A-070-120	12	119	7	4	10.5	18.5	39.45	31.6	25.81	21.42	18.01	15.31	13.14
DBA-A-070-150	15	139	7	4	10.5	18.5	28.29	22.47	18.16	14.89	12.34	10.32	8.69
DBA-A-070-200	20	173	7	4	10.5	18.5	20.48	16.03	12.73	10.22	8.26	6.71	5.45
DBA-A-070-250	25	197	7	4	10.5	18.5	18.78	14.57	11.43	9.01	7.12	5.61	4.38
DBA-A-070-300	30	230	7	4	10.5	18.5	13.41	10.03	7.49	5.55	4.02	2.8	1.81
DBA-A-075-350	35	274	7.5	4	10.5	18.5	11.45	8.23	5.81	3.95	2.49	1.32	
DBA-A-075-400	40	309	7.5	4	10.5	18.5	7.87	5.13	3.06	1.48			

STAINLESS STEEL

PART #	Mounting Height (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE CIRCLE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
DBA-E-065-080	8	78	6.5	4	10.5	18.5	36.01	29.37	24.39	20.57	17.58	15.19	13.26
DBA-E-065-100	10	86	6.5	4	10.5	18.5	31.77	25.67	21.12	17.63	14.9	12.73	10.97
DBA-E-070-120	12	95	7	4	10.5	18.5	29.23	23.52	19.26	16	13.44	11.41	9.76
DBA-E-070-150	15	107	7	4	10.5	18.5	20.86	16.56	13.35	10.88	8.96	7.42	6.18
DBA-E-070-200	20	128	7	4	10.5	18.5	14.87	11.56	9.07	7.17	5.68	4.49	3.53
DBA-E-070-250	25	134	7	4	10.5	18.5	9.84	7.29	5.37	3.91	2.76	1.84	1.09
DBA-E-070-300	30	159	7	4	10.5	18.5	6.23	4.17	2.63	1.44	0.51		
DBA-E-075-350	35	186	7.5	4	10.5	18.5	4.09	2.21	0.81				
DBA-F-075-350	35	254	7.5	4	10.5	18.5	11.19	8.03	5.66	3.83	2.39	1.24	
DBA-F-075-400	40	286	7.5	4	10.5	18.5	7.65	4.96	2.94	1.38			

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.

2. Charted weights include the base and pole shaft.

	DBA -	-	-	-		-	-	-	
\bigcirc	Design	Wall Thickness	Base Diameter	Mounting Height	Moun	ting Style	Cross Section	Finish	Options
\bigcirc		B = 7 GA C = 3/16"	identified with one decimal place to identify diameter in inches.	is identified with one decimal place to identify height in feet.	DM29 = Drill 2 @ 90 DM28 = Drill 2 @ 180 DM39 = Drill 3 @ 90 DM32 = Drill 3 @ 120	PT3 = 2.88" x 4" Tenon PT4 = 3.5" x 6" Tenon	H = 8-Sided F = Fluted	GV =Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize FR = Frost (Stainless Steel Only)	Insert Part Number for options, seperated by "-"



<u>BEMIDJI (DBS)</u>

ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Each bolt comes fashioned with two flat washers and two hexagonal nuts.

BASE STYLE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company Decorative High Base. The base is fabricated from the same material as the pole shaft and stands 43 inches tall. The pole shaft is slip fitted and welded to the base.

SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 carbon steel or ASTM A240 Grade 201L stainless steel standards and is formed with a constant linear taper.

HANDHOLE

A reinforced doorway with cover, grounding lug, and hardware is provided with each pole assembly.

ARMS

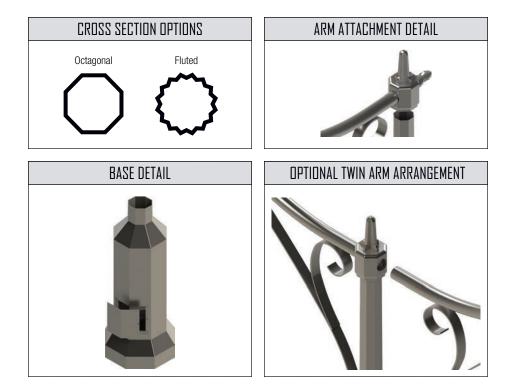
Bemidji arms are fabricated from 2" (2.38" 0.D.) schedule 40 pipe and are circumferentially welded to a cast decorative cap. The Bemidji arm is slip fitted over the pole top and is held in place with set screws. The Bemidji arm is formed with a soft "S" curve and has a rise of 3 feet above the pole top.

FINISH OPTIONS

Carbon steel poles are to be specified as hot-dip galvanized per ASTM A123 or finish painted with our standard Millerbond Wet Coat Finish. Multi-sided stainless steel poles are to be specified as frost (rust resistant stainless stell shot blast) finished or finish painted with our standard Millerbond Wet Coat Finish.

HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength carbon steel or 18-8 stainless steel.



Mounting Height

3'-0"

4', 6', or 8' Arm

CARBON STEEL

PART #	Mounting Height (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE 0.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE DIAMETER (IN)	Max Epa 90 Mph	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
DBS-081-A-070-200	20	8	267	7	4	12	18.5	5.85	5.2	4.56	3.96	3.42	2.94	2.52
DBS-081-A-070-250	25	8	302	7	4	12	18.5	5.71	5.04	4.4	3.8	3.26	2.79	2.39
DBS-081-A-075-300	30	8	344	7.5	4	12	18.5	5.6	4.92	4.26	3.67	3.14	2.68	2.28
DBS-081-A-075-350	35	8	363	7.5	4	12	18.5	5.5	4.81	4.15	3.56	3.04	2.58	2.19
DBS-081-A-075-400	40	8	401	7.5	4	12	18.5	5.41	4.71	4.06	3.47	2.95	2.5	1.21

STAINLESS STEEL

PART #	Mounting Height (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE DIAMETER (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
DBS-081-E-070-200	20	8	196	7	4	12	18.5	3.2	2.79	2.4	2.04	1.71	1.42	1.16
DBS-081-E-070-250	25	8	217	7	4	12	18.5	3.11	2.7	2.3	1.94	1.61	1.3	0.63
DBS-081-E-075-300	30	8	237	7.5	4	12	18.5	3.04	2.62	2.22	1.26			
DBS-081-E-075-350	35	8	268	7.5	4	12	18.5	2.98	2.55	2.16	1.79	0.64		
DBS-081-F-075-350	35	8	339	7.5	4	12	18.5	2.98	2.55	2.16	1.79	1.48	1.2	0.96
DBS-081-F-075-400	40	8	377	7.5	4	12	18.5	2.92	2.5	2.1	1.74	1.42	1.15	

Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
 Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.
 Charted weights include the base, pole shaft, and luminaire mounting arm.

	DBS -	-	-	-	-	-	-	
$\langle $	Design	Arm Span	Wall Thickness	Base Diameter	Mounting Height	Cross Section	Finish	Options
)		041 = 4' 061 = 6' 081 = 8'	B = 7 GA C = 3/16"	identified with one decimal place to identify diameter in inches.	 decimal place to 	H = 8-Sided F = Fluted	GV =Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize FR = Frost (Stainless Steel Only)	Insert Part Number for options, seperated by "-"



FAIRFAX (DFA)

ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Each bolt comes fashioned with two flat washers and two hexagonal nuts.

BASE STYLE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 carbon steel or ASTM A240 Grade 201L stainless steel standards and is formed with a constant linear taper.

HANDHOLE

A reinforced doorway with cover, grounding lug, and hardware is provided with each pole assembly.

MOUNTING OPTIONS

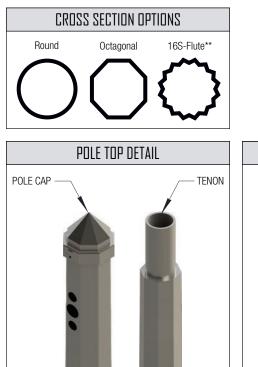
The pole is be specified with a single tenon mount for pole top mounting or side drilled pattern. For multiple fixtures, an adapter should be used. A removable pole cap shall be provided for poles specified with side drill luminaire mounting.

FINISH OPTIONS

Carbon steel poles are to be specified as hot-dip galvanized per ASTM A123 or finish painted with our standard Millerbond Wet Coat Finish. Stainless steel poles are to be specified as frost (rust resistant stainless steel shot blast) finished or finish painted with our standard Millerbond Wet Coat Finish.

HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength carbon steel or 18-8 stainless steel.









CARBON STEEL

PART #	Mounting Height (FT)	WEIGHT (LBS.)	BASE 0.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	Max Epa 90 Mph	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
DFA-A-054-080	8	75	5.4	3	9.5	12	37.84	30.85	25.62	21.61	18.46	15.96	13.92
DFA-A-054-100	10	86	5.4	3	9.5	12	36.41	29.69	24.65	20.78	17.74	15.32	13.36
DFA-A-054-120	12	97	5.4	3	9.5	12	32.08	26.1	21.62	18.18	15.46	13.3	11.54
DFA-A-054-140	14	107	5.4	3	9.5	12	25.92	20.94	17.19	14.26	11.96	10.11	8.62
DFA-A-054-160	16	118	5.4	3	9.5	12	22.21	17.78	14.45	11.89	9.89	8.28	6.99
DFA-A-054-180	18	123	5.4	3	9.5	12	18.86	14.99	12.09	9.86	8.11	6.71	5.58
DFA-A-054-200	20	134	5.4	3	9.5	12	16.14	12.72	10.16	8.19	6.65	5.41	4.41
DFA-A-070-220	22	195	7	4	9.5	12	24.83	19.59	15.66	12.64	10.28	8.39	6.86
DFA-A-070-240	24	214	7	4	9.5	12	21.68	16.96	13.42	10.69	8.56	6.85	5.47
DFA-A-070-270	27	230	7	4	9.5	12	17.77	13.67	10.59	8.22	6.37	4.88	3.68
DFA-A-070-300	30	251	7	4	9.5	12	14.57	10.95	8.24	6.15	4.51	3.2	2.13
DFA-A-070-340	34	279	7	4	9.5	12	11.06	7.96	5.62	3.82	2.4	1.27	
DFA-A-070-390	39	317	7	4	9.5	12	7.53	4.89	2.91	1.38			

STAINLESS STEEL

	PART #	Mounting Height (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
ノ	DTA-E-054-080	8	52	5.4	3	9.5	12	23.55	19.2	15.95	13.45	11.49	9.93	8.67
	DTA-E-054-100	10	59	5.4	3	9.5	12	21.15	17.21	14.25	11.97	10.18	8.74	7.57
	DTA-E-054-120	12	67	5.4	3	9.5	12	18.21	14.72	12.07	10	8.36	7.05	5.98
	DTA-E-054-140	14	74	5.4	3	9.5	12	15.49	12.34	9.97	8.16	6.74	5.6	4.68
	DTA-E-054-160	16	81	5.4	3	9.5	12	12.95	10.21	8.16	6.58	5.35	4.36	3.56
	DTA-E-054-180	18	85	5.4	3	9.5	12	10.78	8.39	6.6	5.23	4.15	3.29	2.59
	DTA-E-054-200	20	92	5.4	3	9.5	12	9	6.9	5.32	4.1	3.14	2.38	1.76
	DTA-E-070-220	22	135	7	4	9.5	12	12.69	9.8	7.62	5.95	4.63	3.58	2.72
	DTA-E-070-240	24	148	7	4	9.5	12	10.83	8.22	6.26	4.75	3.56	2.61	1.84
	DTA-E-070-270	27	159	7	4	9.5	12	8.49	6.23	4.52	3.21	2.17	1.34	0.67
	DTA-E-070-300	30	173	7	4	9.5	12	6	3.94	2.4	1.22			
	DTA-F-070-340	34	193	7	4	9.5	12	10.97	8.03	5.91	4.35	3.19	2.31	1.63
	DTA-F-070-390	39	219	7	4	9.5	12	7.52	5.07	3.31	2.06	1.14		

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.

2. Charted weights include the base and pole shaft.

3. All multi-sided stainless steel poles with a mounting height of 35 feet or more are 16-sided.

4. Stainless steel breakaway High-Base option available. For a breakaway High-Base, insert "BKB" as an option.

	DFA -	-	-	-		-	-	-	
	Design	Wall Thickness	Base Diameter	Mounting Height	Moun	ting Style	Cross Section	Finish	Options
)		$\begin{array}{l} A=11 \text{ GA} \\ B=7 \text{ GA} \\ C=3/16" \\ D=1/4" \\ E=14 \text{ ga Stainless Steel} \\ F=12 \text{ ga Stainless Steel} \end{array}$	identify diameter in inches.	is identified with one decimal place to identify height in feet.	DM29 = Drill 2 @ 90 DM28 = Drill 2 @ 180 DM39 = Drill 3 @ 90 DM32 = Drill 3 @ 120	$PT2 = 2.88" \times 4"$ Tenon $PT3 = 2.88" \times 4"$ Tenon $PT4 = 3.5" \times 6"$ Tenon	16-Sided F = Fluted	GV =Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize FR = Frost (Stainless Steel Only)	Insert Part Number for options, seperated by "-"



<u>FAIRFAX (DFS)</u>

ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Each bolt comes fashioned with two flat washers and two hexagonal nuts.

BASE STYLE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 carbon steel or ASTM A240 Grade 201L stainless steel standards and is formed with a constant linear taper.

HANDHOLE

A reinforced doorway with cover, grounding lug, and hardware is provided with each pole assembly.

ARMS

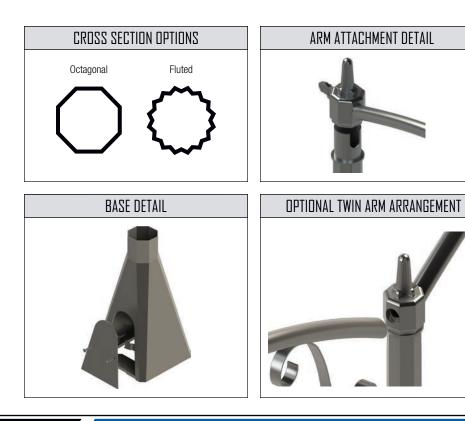
Fairfax arms are fabricated from 2" (2.38" 0.D.) schedule 40 pipe and are circumferentially welded to a cast decorative cap. The Fairfax arm is slip fitted over the pole top and is held in place with set screws. The Fairfax arm is fabricated with an upsweep to have a rise of 1 foot above the pole top.

FINISH OPTIONS

Carbon steel poles are to be specified as hot-dip galvanized per ASTM A123 or finish painted with our standard Millerbond Wet Coat Finish. Stainless steel poles are to be specified as frost (rust resistant stainless steel shot blast) finished or finish painted with our standard Millerbond Wet Coat Finish.

HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength carbon steel or 18-8 stainless steel.



Mounting Height

1'-0"

4', 6', or 8' Arm

CARBON STEEL

PART #	Mounting Height (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
DFS-081-A-070-200	20	8	175	7	4	11.5	12	5.85	5.2	4.56	3.96	3.42	2.94	2.52
DFS-081-A-070-250	25	8	209	7	4	11.5	12	5.71	5.04	4.4	3.8	3.26	2.79	2.39
DFS-081-A-075-300	30	8	245	7.5	4	11.5	12	5.59	4.92	4.26	3.67	3.04	1.85	0.87

STAINLESS STEEL

PART #	Mounting Height (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE CIRCLE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
DFS-081-E-070-200	20	8	121	7	4	11.5	12	3.2	2.79	2.4	2.04	1.71	1.42	1.16
DFS-081-E-070-250	25	8	142	7	4	11.5	12	3.11	2.7	2.3	1.94	1.3		
DFS-081-E-075-300	30	8	167	7.5	4	11.5	12	3.04	2.62	1.56				

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.

2. Charts are for single arm configurations only. Consult factory for allowable weight and EPA ratings on twin arm arrangements.

3. Charted weights include the base, pole shaft, and luminaire mounting arm.

6. Stainless steel breakaway High-Base option available. For a breakaway High-Base, insert "BKB" as an option.

	DFS -	-	-	-	-	-	-	
	Design	Arm Span	Wall Thickness	Base Diameter	Mounting Height	Cross Section	Finish	Options
)		041 = 4' 061 = 6' 081 = 8'	$\begin{array}{l} A=11 \text{ GA} \\ B=7 \text{ GA} \\ C=3/16" \\ D=1/4" \\ E=14 \text{ ga Stainless Steel} \\ F=12 \text{ ga Stainless Steel} \end{array}$	inches.	 docimal place to 	H = 8-Sided F = Fluted	GV =Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize FR = Frost (Stainless Steel Only)	Insert Part Number for options, seperated by "-"



EURO (DES)

ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Each bolt is fashioned with two flat washers and two hexagonal nuts.

BASE STYLE

The base plate is fabricated from ASTM A36 carbon steel or ASTM A240 stainless steel plate. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 carbon steel or ASTM A240 Grade 201L stainless steel standards and is formed with a constant linear taper.

HANDHOLE

A reinforced doorway with cover, grounding lug, and hardware is provided with each pole assembly.

ARM

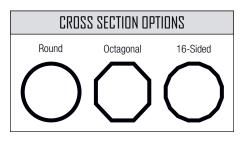
Euro arms are fabricated from 2.5" (2.88" 0.D.) schedule 40 pipe which is circumferentially welded to a central hub. The Euro arm is slip fitted 8" over the pole top and is held in place by a clamp and two tubular support braces. The Euro arm has a rise of 3 feet and 4 inches above the pole top and is fitted with a 2" (2.38" 0.D.) x 8" slipfitter for luminaire attachment.

FINISH OPTIONS

Carbon steel poles are to be specified as hot-dip galvanized per ASTM A123 or finish painted with our standard Millerbond Wet Coat Finish. Stainless steel poles are to be specified as finish painted with our standard Millerbond Wet Coat Finish. Round stainless steel poles must be finish painted with our standard Millerbond Wet Coat Finish.

HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength carbon steel or 18-8 stainless steel.





ARM ATTACHMENT DETAIL

3'-4"

4', 6', or 8' Arm



CARBON STEEL

Part #	Mounting Height (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
DES-081-A-078-200	20	8	222	7.8	5.2	12	12	5.85	5.2	4.56	3.96	3.42	2.94	2.52
DES-081-A-085-250	25	8	270	8.5	5.2	12	12	5.71	5.04	4.4	3.8	3.26	2.79	2.39
DES-081-A-096-300	30	8	335	9.6	5.6	13	13	5.6	4.92	4.26	3.67	3.14	2.68	2.28
DES-081-A-103-350	35	8	400	10.3	5.6	14	14	5.5	4.81	4.15	3.56	3.04	2.58	2.19
DES-081-A-110-400	40	8	462	11	5.6	14	14	5.41	4.71	4.06	3.47	2.95	2.5	2.11

STAINLESS STEEL

PART #	Mounting Height (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE CIRCLE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
DES-081-E-078-200	20	8	162	7.8	5.2	12	12	3.2	2.79	2.4	2.04	1.71	1.42	1.16
DES-081-E-085-250	25	8	136	8.5	5.2	12	12	3.11	2.7	2.3	1.94	1.61	1.33	1.08
DES-081-E-096-300	30	8	176	9.6	5.6	13	13	3.04	2.62	2.22	1.86	1.54	1.26	1.02
DES-081-E-103-350	35	8	272	10.3	5.6	14	14	2.98	2.55	2.16	1.79	1.48	1.2	0.96
DES-081-E-110-400	40	8	308	11	5.6	14	14	2.92	2.5	2.1	1.74	1.42	1.15	0.8

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.

2. Charted weights include the base, pole shaft, and luminaire mounting arm.

3. All multi-sided stainless steel poles with a mounting height of 35 feet or more are 16-sided.

4. Stainless steel structures with a round cross section must be finish painted with our Millerbond wet coat finish.

	DES -	-	-	-	-	-	-	
	Design	Arm Span	Wall Thickness	Base Diameter	Mounting Height	Cross Section	Finish	Options
)		041 = 4' 061 = 6' 081 = 8'	$\begin{array}{l} A=11 \text{ GA} \\ B=7 \text{ GA} \\ C=3/16" \\ D=1/4" \\ E=14 \text{ ga Stainless Steel} \\ F=12 \text{ ga Stainless Steel} \end{array}$		decimal place to	R = Round H = 8-Sided W = 16-Sided	GV =Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize FR = Frost (Stainless Steel Only)	Insert Part Number for options, seperated by "-"



FUTURA (DCA)

ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Each bolt comes fashioned with two flat washers and two hexagonal nuts.

BASE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company Chamfered High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 carbon steel standards and is formed with a constant linear taper. The shaft is fabricated with a uniform chamfer across all four corners.

HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly.

MOUNTING OPTIONS

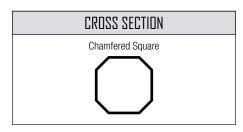
The pole is be specified with a single tenon mount for pole top mounting or side drilled pattern. For multiple fixtures, an adapter should be used. A removable pole cap shall be provided for poles specified with side drill luminaire mounting.

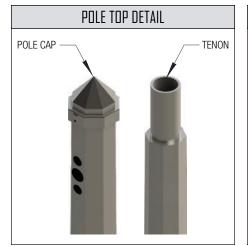
FINISH OPTIONS

Carbon steel poles are to be specified as hot-dip galvanized per ASTM A123 or finish painted with our standard Millerbond Wet Coat Finish.

HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength carbon steel.







Mounting Height



CARBON STEEL

PART #	Mounting Height (FT)	WEIGHT (LBS.)	BASE DIAMETER (IN)	TOP DIAMETER (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
DCA-A-081-250	25	196	8.1	3.7	11	12	17.24	12.94	9.71	7.22	5.72	3.72	2.46
DCA-A-081-300	30	232	8.1	3.7	11	12	12.02	8.42	5.72	3.64	2.01	0.7	
DCA-A-089-350	35	272	8.9	3.7	12	14	9.36	5.91	3.32	1.32			
DCA-A-097-400	40	350	9.7	3.7	15	15	6.23	2.83					

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes. 2. Charted weights include the base and pole shaft.

DCA -	-	-	-		- C -	-	
Design	Wall Thickness	Base Diameter	Mounting Height	Mounting Style	Cross Section	Finish	Options
	B = 7 GA C = 3/16" D = 1/4"	decimal place to identify diameter	Mounting height is	DM19 = Drill 1 @ 90 PT1 = 2.38" x 4" Tenon DM29 = Drill 2 @ 90 PT2 = 2.38" x 6" Tenon DM28 = Drill 2 @ 180 PT3 = 2.88" x 4" Tenon DM39 = Drill 3 @ 90 PT4 = 3.5" x 6" Tenon DM32 = Drill 3 @ 120 PT5 = 4" x 6" Tenon DM39 = Drill 4 @ 90 PT6 = Specialty Top Mour	Square	GV =Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize	Insert Part Number for options, seperated by "-"



FUTURA (DCS)

ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Each bolt comes fashioned with two flat washers and two hexagonal nuts.

BASE STYLE

Each pole assembly is fashioned with a Millerbernd Manufacturing Company Chamfered High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base.

SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 carbon steel standards and is formed with a constant linear taper. The shaft is formed with a uniform chamfer across all four corners

HANDHOLE

A reinforced doorway with cover, grounding lug, and hardware is provided with each pole assembly.

ARMS

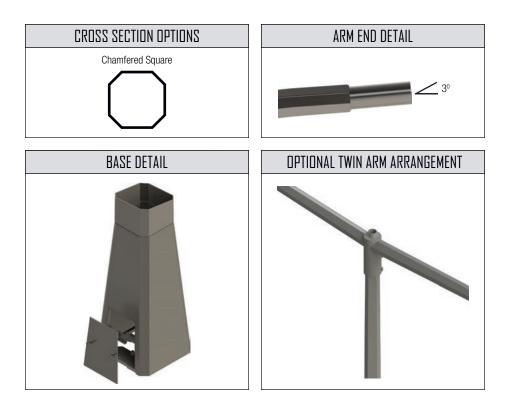
Futura arms are fabricated from the same material as the pole shaft. Single Futura arms attach to the pole shaft with a circumferential weld at the pole top. Dual Futura arms attach with an adapter that is slip fitted over the pole top. Each Futura arm is fitted with a 2.38" diameter pipe adapter.

FINISH OPTIONS

Carbon steel poles are to be specified as hot-dip galvanized per ASTM A123 or finish painted with our standard Millerbond Wet Coat Finish. Stainless steel poles are to be specified as frost (rust resistant stainless steel shot blast) finished or finish painted with our standard Millerbond Wet Coat Finish.

HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength carbon steel or 18-8 stainless steel.



Mounting Height

4', 6', or 8' Arm

CARBON STEEL

PART #	Mounting Height (FT)	MAX ARM LENGTH (FT)	WEIGHT (LBS.)	BASE 0.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
DCS-061-A-081-250	25	6	238	8.1	3.7	11	12	10.62	7.88	5.72	3.98	2.57	1.4	
DCS-061-A-081-300	30	6	275	8.1	3.7	11	12	6.9	4.46	2.55	1.02			
DCS-061-A-089-350	35	6	356	8.9	3.7	12	14	5.17	2.67	0.72				
DCS-061-A-097-400	40	6	399	9.7	3.7	15	15	3.37	0.82					
Variations from above a Charts are for single a			,	C C	,	0		rrangements				· · · · · ·	~	

EPA 30 MPH	EPA 140 MPH	EPA 150 MPH
2.57	1.4	

	DCS -	-	-	-	-	C -	-	
$\langle $	Design	Arm Span	Wall Thickness	Base Diameter	Mounting Height	Cross Section	Finish	Options
)		041 = 4' 061 = 6' 081 = 8'	B = 7 GA C = 3/16" D = 1/4 "I	decimal place to identify diameter in inches	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	C = Chamfered Square	GV =Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize	Insert Part Number for options, seperated by "-"



ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Each bolt comes fashioned with two flat washers and two hexagonal nuts.

BASE

The base plate is fabricated from ASTM A36 carbon steel or ASTM A240 stainless steel plate. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

SHAFT

Round pole shafts conform to ASTM A500 Grade B standards for carbon steel tube. Octagonal and 16-sided shafts conform to ASTM A1011 Grade 50 carbon steel or ASTM A240 Grade 201L stainless steel standards.

HANDHOLE

A reinforced handhole with cover, grounding lug, and hardware is provided with each pole assembly.

MOUNTING OPTIONS

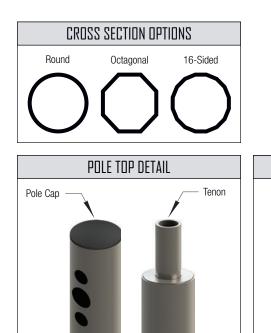
The pole is be specified with a single tenon mount for pole top mounting or side drilled pattern. For multiple fixtures, an adapter should be used. A removable pole cap shall be provided for poles specified with side drill luminaire mounting.

FINISH OPTIONS

Carbon steel poles are to be specified as hot-dip galvanized per ASTM A123 or finish painted with our standard Millerbond Wet Coat Finish. Stainless steel poles are to be specified as frost (rust resistant stainless steel shot blast) finished or finish painted with our standard Millerbond Wet Coat Finish.

HARDWARE

All hardware and fasteners shall be supplied with each pole assembly. All structural fasteners shall be galvanized high-strength carbon steel or 18-8 stainless steel.





Mounting

Height



CARBON STEEL

PART #	Mounting Height (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	Max Epa 90 Mph	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
DNA-A-030-100	10	51	3	8	8	9.91	7.83	6.29	5.1	4.17	3.43	2.84
DNA-A-040-100	10	62	4	8	8	18.59	14.82	12.01	9.9	8.38	7.17	6.2
DNA-A-030-120	12	58	3	8	8	7.91	6.16	4.85	3.85	3.06	2.44	1.93
DNA-A-040-120	12	72	4	8	8	15.11	11.92	9.54	7.78	6.55	5.58	4.79
DNA-A-030-140	14	66	3	8	8	6.36	4.85	3.72	2.86	2.18	1.64	1.2
DNA-A-040-140	14	82	4	8	8	12.45	9.69	7.63	6.13	5.12	4.33	3.69
DNA-A-030-160	16	73	3	8	8	5.06	3.75	2.76	2.01	1.42	0.95	0.57
DNA-A-040-160	16	92	4	8	8	10.2	7.8	6.01	4.72	3.9	3.26	2.75
DNA-A-030-180	18	80	3	8	8	3.94	2.79	1.94	1.28	0.76		
DNA-A-040-180	18	102	4	8	8	8.27	6.18	4.61	3.5	2.85	2.34	1.94
DNA-A-040-200	20	88	3	8	8	3	1.99	1.23	0.65			
DNA-A-040-200	20	112	4	8	8	6.68	4.82	3.44	2.48	1.96	1.56	1.25
DNA-A-050-200	20	135	5	8	8	11.69	9.07	7.31	5.99	4.97	4.17	3.53
DNA-A-040-250	25	137	4	8	8	3.62	2.19	1.12				
DNA-A-050-250	25	166	5	8	8	7.11	5.24	4.09	3.23	2.58	2.07	1.68
DNA-A-050-300	30	198	5	8	8	3.77	2.42	1.7	1.17	0.79		

STAINLESS STEEL

PART #	Mounting Height (FT)	WEIGHT (LBS.)	BASE O.D (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
DNA-E-060-200	20	91	6	9	9	9.31	6.65	4.66	3.13	1.94	0.99	
DNA-E-065-200	20	101	6.5	9.5	9.5	10.9	7.86	5.59	3.85	2.49	1.41	0.53
DNA-E-060-250	25	101	6	9	9	4.9	2.84	1.3				
DNA-E-070-250	25	126	7	9.5	9.5	6.78	4.16	2.22	0.73			
DNA-E-070-300	30	134	7	9.5	9.5	2.72	0.6					
DNA-E-080-300	30	166	8	10.5	10.5	3.53	1.03					
DNA-F-080-300	30	231	8	10.5	10.5	14.27	9.78	6.42	3.86	1.85		
DNA-E-080-350	35	175	8	10.5	10.5	3.12	1.32					
DNA-E-085-350	35	195	8.5	11.5	11.5	4.21	2.21	0.89				
DNA-F-085-350	35	273	8.5	11.5	11.5	14.44	10.64	7.98	5.59	3.6	2.01	0.72
DNA-E-090-400	40	232	9	12.5	12.5	1.75						
DNA-F-090-400	40	327	9	12.5	12.5	11.34	7.9	5.3	2.9	1.03		
DNA-F-100-450	45	403	10	13.5	13.5	10.31	4.8	1.84				
DNA-F-100-500	50	422	10	13.5	13.5	6.11	2.99					

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.

Charted weights include the base and pole shaft.
 Stainless steel non tapered poles are only offered with octagonal or 16-sided cross sections.
 All multi-sided stainless steel poles with a mounting height of 35 feet or more are 16-sided.

DNA -	-	-	-		-	-	-	
Design	Wall Thickness	Base Diameter	Mounting Height	Mount	ting Style	Cross Section	Finish	Options
	$\begin{array}{l} A=11 \text{ GA} \\ B=7 \text{ GA} \\ C=3/16" \\ D=1/4" \\ E=14 \text{ ga Stainless Steel} \\ F=12 \text{ ga Stainless Steel} \end{array}$	identified with one decimal place to identify diameter in inches.	is identified with one decimal place to identify height in feet.	DM19 = Drill 1 @ 90 DM29 = Drill 2 @ 90 DM28 = Drill 2 @ 180 DM39 = Drill 3 @ 90 DM32 = Drill 3 @ 120 DM49 = Drill 4 @ 90	$PT2 = 2.38" \times 6"$ Tenon $PT3 = 2.88" \times 4"$ Tenon $PT4 = 2.5" \times 6"$ Tenon	H = Round H = 8-Sided W = 16-Sided	GV =Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize FR = Frost (Stainless Steel Only)	Insert Part Number for options, seperated by "-"



CONTEMPORARY (DTA)

ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an "L" bend at one end and a minimum of 12" galvanized threads on the other end. Each bolt comes fashioned with two flat washers and two hexagonal nuts.

BASE STYLE

The base plate is fabricated from ASTM A36 carbon steel or ASTM A240 stainless steel plate. The base is fabricated with slotted bolt holes to allow for a +/- 0.5" variance in listed nominal bolt circle size. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 carbon steel or ASTM A240 Grade 201L stainless steel standards and is formed with a constant linear taper.

HANDHOLE

A reinforced doorway with cover, grounding lug, and hardware is provided with each pole assembly.

MOUNTING OPTIONS

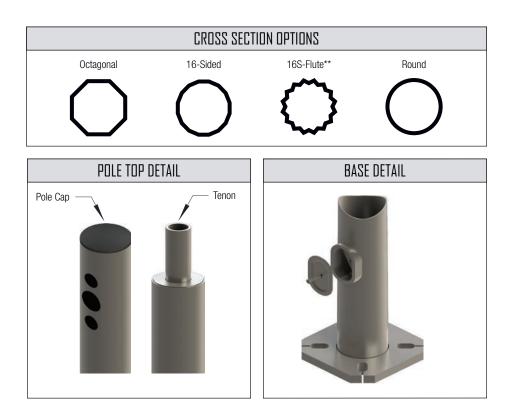
The pole is be specified with a single tenon mount for pole top mounting or side drilled pattern. For multiple fixtures, an adapter should be used. A removable pole cap shall be provided for poles specified with side drill luminaire mounting.

FINISH OPTIONS

Carbon steel poles are to be specified as hot-dip galvanized per ASTM A123 or finish painted with our standard Millerbond Wet Coat Finish. Stainless steel poles are to be specified as frost (rust resistant stainless steel shot blast) finished or finish painted with our standard Millerbond Wet Coat Finish.

HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized highstrength carbon steel or 18-8 stainless steel.



| Mounting Height

CARBON STEEL

PART #	Mounting Height (FT)	WEIGHT (LBS.)	BASE 0.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
DTA-A-060-100	10	73	6	3.2	9	9	39.31	36.42	25.73	25.03	17.93	15.22	13.03
DTA-A-060-150	15	101	6	3.2	9	9	25.18	23.47	16.05	15.69	10.76	8.92	7.43
DTA-A-060-200	20	128	6	3.2	9	9	21.79	17.24	13.9	11.39	9.5	8.03	6.9
DTA-A-065-200	20	142	6.5	3.7	9.5	9.5	26.03	20.7	16.82	13.93	11.74	10.03	8.64
DTA-A-060-250	25	145	6	2.5	9	9	15.32	12	9.5	7.62	6.18	5.07	4.21
DTA-A-070-250	25	179	7	3.5	10	10	22	17.35	13.97	11.46	9.57	8.12	6.95
DTA-A-070-300	30	196	7	2.8	9.5	9.5	16.11	12.55	9.89	7.92	6.43	5.27	4.38
DTA-A-080-300	30	240	8	3.8	11	11	21.5	17.67	13.54	11.68	9.26	7.8	6.61
DTA-A-080-350	35	216	8	3.1	10.5	10.5	15.23	11.66	9.08	7.19	5.79	4.7	3.89
DTA-A-085-350	35	285	8.5	3.6	11.5	11.5	17.09	13.2	10.4	8.37	6.87	5.69	4.73
DTA-A-080-400	40	278	8	2.4	11	11	11.7	9.21	7.35	5.38	4.52	3.53	2.75
DTA-A-090-400	40	335	9	3.4	12.5	12.5	17.54	13.64	10.76	8.64	7.01	5.77	4.76
DTA-A-100-450	45	414	10	3.7	13.5	13.5	17.42	13.42	10.56	8.42	6.82	5.52	4.45
DTA-A-100-500	50	435	10	3.0	13.5	13.5	13.54	10.19	7.76	5.93	4.55	3.43	2.63

STAINLESS STEEL

PART	#	Mounting Height (FT)	WEIGHT (LBS.)	BASE 0.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
DTA-E-06	0-100	10	51	6	3.2	9	9	26.96	21.5	17.67	14.56	12.42	10.54	8.8
DTA-E-06	0-150	15	68	6	3.2	9	9	17	13.27	10.65	8.52	6.93	5.63	4.58
DTA-E-06	0-200	20	93	6	3.2	9	9	10.69	8.09	6.14	4.64	3.45	2.52	1.76
DTA-E-06	5-200	20	103	6.5	3.7	9.5	9.5	12.21	9.33	7.05	5.37	4	2.94	2.07
DTA-E-06	0-250	25	103	6	2.5	9	9	6.91	5.07	3.56	2.47	1.56	0.85	
DTA-E-07	0-250	25	128	7	3.5	10	10	8.91	6.47	4.54	3.11	1.95	1.04	
DTA-E-07	0-300	30	137	7	2.8	9.5	9.5	5.84	3.93	2.4	1.26			
DTA-E-08	0-300	30	169	8	3.8	11	11	4.42	2.58	1.2				
DTA-F-08	0-300	30	237	8	3.8	11	11	21.42	14.85	12.58	9.72	8.59	7.26	6.12
DTA-E-08	0-350	35	179	8	3.1	10.5	10.5	6.36	3.82	2.61	1.14	0.58		
DTA-E-08	5-350	35	199	8.5	3.6	11.5	11.5	7.24	4.4	3.11	1.49	0.91		
DTA-F-08	5-350	35	280	8.5	3.6	11.5	11.5	17.21	12.41	10	7.2	6	4.66	3.58
DTA-E-08	0-400	40	192	8	2.4	11	11	4.14	2.12	1.06				
DTA-E-09	0-400	40	233	9	3.4	12.5	12.5	5.83	2.83	1.66				
DTA-F-09	0-400	40	328	9	3.4	12.5	12.5	14.42	10.09	7.86	5.36	4.24	3.03	2.08
DTA-E-10	0-450	45	287	10	3.7	13.5	13.5	3.9	1.79					
DTA-F-10	0-450	45	405	10	3.7	13.5	13.5	10.91	7.63	5.12	3.34	1.96	0.9	
DTA-E-10	0-500	50	299	10	3.0	13.5	13.5	3.24	1.08	0.52				
DTA-F-10	0-500	50	424	10	3.0	13.5	13.5	8	5.24	3.09	1.55			

1. Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.

2. Charted weights include the base and pole shaft.

3. All multi-sided stainless steel poles with a mounting height of 35 feet or more are 16-sided.

DTA -	-	-	-		-	-	-	
Design	Wall Thickness	Base Diameter	Mounting Height	Moun	ting Style	Cross Section	Finish	Options
	C = 3/16"	identified with one decimal place to identify diameter in inches.	is identified with one decimal place to identify height in feet.	DM29 = Drill 2 @ 90 DM28 = Drill 2 @ 180 DM39 = Drill 3 @ 90 DM32 = Drill 3 @ 120	$PT3 = 2.88" \times 4"$ Tenon $PT4 = 3.5" \times 6"$ Tenon	H = 8-Sided W = 16-Sided F = Fluted	GV =Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize FR = Frost (Stainless Steel Only)	Insert Part Number for options, seperated by "-"



TRANSFORMER BASE

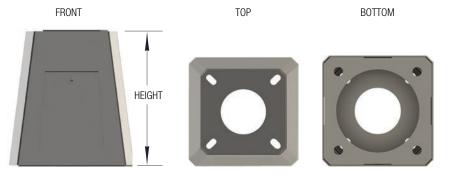
STEEL TRANSFORMER BASE



Top plate fabricated with 2.25" slots to allow for 9.5" - 12" variable bolt circles.

FANI#	(FT)	(IN)	(IN)
ST1	25	15	20
ST2	30	15	20
ST3	35	15	20
ST4	40	17	20

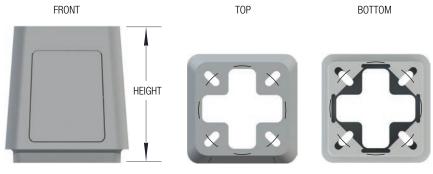
STAINLESS STEEL TRANSFORMER BASE



Top plate fabricated with 2.25" slots to allow for 9.5" - 12" variable bolt circles.

POLE HEIGHT BOTTOM B.C. HEIGHT PART # (FT) (IN) (IN) 25 15 20 SS1 SS2 30 15 20 SS3 35 15 20 SS4 40 17 20

ALUMINUM TRANSFORMER BASE



PART #	BOTTOM B.C. (IN)	TOP B.C. (IN)	HEIGHT (IN)	
TB1	13 - 15	10.5 -13.5	17	
TB2	10 - 12	10 - 12	17	
TB3	15 - 17.25	13 - 15.125	17	
TB5	14.5 - 16.25	14.5 - 15.25	9	
TB6	10 - 12.75	10.5 - 12	9	

1. Aluminum Transformer Bases are an AASHTO approved breakaway device.

2. Consult factory regarding proposed application, load requirements, and installation methods, before installation. Failure can result from misapplication and improper installation.

DECORATIVE ARMS



PART #	ARM SPAN (FT)	ARM RISE (IN)	ARM WEIGHT (IN)	ARM EPA (FT)
BA4	4	18	24	1.29
BA6	6	28.5	32.25	1.74
BA8	8	34.5	38.9	2.11
BA9	9	34.5	41.9	2.28
BAO	10	34.5	45.5	2.47
BA2	12	42	50.9	2.77

*Total EPA of both the arm and fixture must be less than maximum allowable EPA of the lighting structure.



*Total EPA of both the arm and fixture must be less than maximum allowable EPA of the lighting structure.

22

35.9

1.94

SCROLL BRACES

FA8

8

SCROLL BRACE PART # DS2



SCROLL BRACE PART # DS1

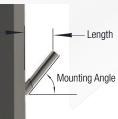




FLAG HOLDERS

FLAG HOLDER





Part #	Mounting Angle (degrees)	Coupling Size (in)	Length (in)	Inside Diameter (in)
FL1	30	0.75	6	0.824
FL2	30	1	6	1.049
FL3	45	0.75	6	0.824
FL4	45	1	6	1.049
FL5	30	1	9	1.049

* Flag provided by others

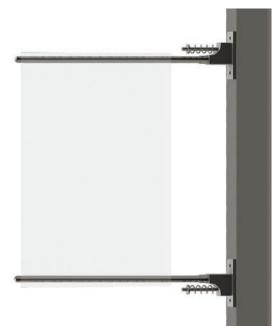
BANNER BRACKETS

SCREW-IN BANNER BRACKET PART # SBB



* Banners provided by others

BANNER SAVER PRO BREAKAWAY BRACKET PART # BSP



COVERS, FESTOONS, AND COUPLINGS



BREAKAWAY BASE COUPLINGS PART # BKC

PLASTIC NUT COVER PART # NCI

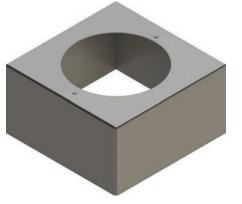


FESTOON MOUNT PART # GFB (WITH OUTLET PART # GFI)





BASE COVER PART # BC1



METAL NUT COVER PART # NC2



0.5", 0.75", OR 1" COUPLING 0.5" (C50), 0.75" (C75), 1" (C10)







622 6th Street South - Winsted, Minnesota 55395 | www.millerberndmfg.com | (320) 485-2111