

AAL Poles



SPECIFICATIONS

CONSTRUCTION

- Base shall be cast aluminum #356 alloy, free of any porosity, foreign materials, or cosmetic fillers. Base casting shall be heat treated to a T-6 condition, and of uniform wall thickness, with no warping or mold shifting

WARNINGS

- Caution must be exercised in the selection of a design wind speed when the pole is to be installed in a special wind region (as indicated by the wind map) or in an area where wind speed is unpredictable
- AAL recommends consulting a local engineer when the pole is to be installed in an area that may be subject to extreme weather and exposure
- Poles installed on structures such as buildings and bridges may be subjected to vibration, oscillations, and other fatigue effects which are not covered by the AAL warranty
- The use of banners or other appendages can severely affect the loading of a pole. No banner or other appendage should be attached to an AAL pole unless approved by AAL
- If the products are to be used on an existing foundation or on other structures, the customer assumes all responsibility for the structural integrity of the existing foundation, anchorage or structures and all the consequences arising there from

CAUTION

- Poles should never be erected without the luminaire installed
- Anchor bolts shall be hot dip galvanized steel. Eight galvanized hex nuts and flat washers, and a bolt circle template shall be provided. Anchor bolts for poles 14 feet high or less are 3/4" x 24" x 3". Anchor bolt for poles more than 14 feet high are 1"x 36" x 4"

CERTIFICATION

- Certified UL 1598 in accordance with Article 410 of ANSI/NFPA 70, National Electrical Code

ORDERING GUIDE

Example: DB10-5R14-188-14'-BLS-FS1

CATALOG #

POLE

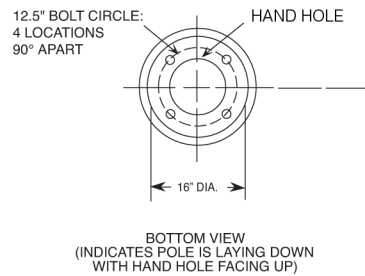
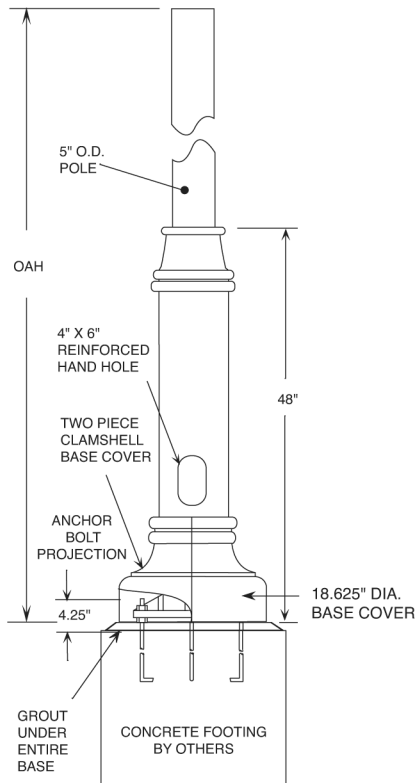
Base		Pole ¹		Finish		Options	
DB10	5" Round Fluted Pole	ROUND POLE 5"		BLS	Black Gloss Smooth	TEN	Tenon, 2 3/8" Ø x 4"H
		5R14-188	5R14-188	BLT	Black Matte Textured	TEN3	Tenon, 3" Ø x 3"H
		5R16-188	5R16-188	DBS	Dark Bronze Gloss Smooth	1A	Single Side Arm
		5R18-188	5R18-188	DBT	Dark Bronze Matte Textured	2B	Double Side Arm
		5R20-188	5R20-188	GTT	Graphite Matte Textured	PTF	Post Top Fixture
		5R22-188	5R22-188	LGS	Light Grey Gloss Smooth	PTA	Post Top Arm
		5R24-188	5R24-188	LGT	Light Grey Matte Textured	PTAD	Post Top Adaptor
		5R25-188	5R25-188	PSS	Platinum Silver Gloss Smooth	ND	No Drilling
		FLUTED POLE 5"		VGT	Verde Green Matte Textured	PCR	Low profile twist lock photocell receptacle with cast pole cap top.Secures to the top of the pole with three stainless steel set screws. Photocell by others.
		5F14-188	5F14-188	WHS	White Gloss Smooth	RBC	Cast aluminum receptacle housing, integrally welded to the pole.Includes a NEC approved clear weather proof cover. Does 610mm"24.0140mm"5.50hole Hand RBCTop of polelocationstandard83mm "3.2564mm "2.50 not include a receptacle or internal wiring
		5F16-188	5F16-188	WHT	White Matte Textured		
		Color Option		CC	Custom Color ²		
		5F18-188	5F18-188			GFI	Ground Fault Interrupter. Wet location receptacle. Standard location is 24" down from top of pole, In-line with hand hole
		5F20-188	5F20-188				
		5F22-188	5F22-188				
		5F24-188	5F24-188				
		5F25-188	5F25-188				
		ROUND POLE 5"					
		5R14-250	5R14-250				
		5R16-250	5R16-250				
		5R18-250	5R18-250				
		5R20-250	5R20-250				
		5R22-250	5R22-250				
		5R24-250	5R24-250				
		5R25-250	5R25-250				

Notes:

1 Consult Maximum Allowable EPA (MPH) chart on page 2

2 Consult factory for custom color, marine and corrosive finish

DIMENSIONS



PRODUCT EXCEPTIONS & DETAILS

1. BASE	2. POLE	3. OAH	SHAFT	MAXIMUM ALLOWABLE EPA (MPH)										
				WT	85	90	100	110	120	130	140	150		
DB10	5R14-188	14' (4.3m)	5" RD x .188"	89	32.3	28.5	22.7	18.6	15.5	13.1	11.2	9.6		
DB10	5R16-188	16' (4.9m)	5" RD x .188"	95	27.3	23.9	19.0	15.5	12.8	10.8	9.2	7.9		
DB10	5R18-188	18' (5.5m)	5" RD x .188"	102	22.8	19.8	15.6	12.7	10.5	8.8	7.4	6.4		
DB10	5R20-188	20' (6.2m)	5" RD x .188"	109	18.9	16.4	12.8	10.3	8.5	7.0	5.9	5.0		
DB10	5R22-188	22' (6.8m)	5" RD x .188"	116	15.8	13.5	10.4	8.3	6.8	5.6	4.7	3.9		
DB10	5R24-188	24' (7.4m)	5" RD x .188"	123	13.1	11.1	8.4	6.6	5.3	4.3	3.6	3.0		
DB10	5R25-188	25' (7.7m)	5" RD x .188"	127	11.9	10.0	7.5	5.9	4.7	3.8	3.1	2.5		
DB10	5F14-188	14' (4.3m)	5" FL x .188"	89	21.4	18.7	14.8	12.1	10.0	8.2	6.9	5.8		
DB10	5F16-188	16' (4.9m)	5" FL x .188"	95	17.8	15.5	12.1	9.8	8.0	6.6	5.4	4.5		
DB10	5F18-188	18' (5.5m)	5" FL x .188"	102	14.5	12.5	9.7	7.8	6.3	5.1	4.1	3.3		
DB10	5F20-188	20' (6.2m)	5" FL x .188"	109	11.8	10.0	7.6	6.1	4.8	3.7	3.0	2.3		
DB10	5F22-188	22' (6.8m)	5" FL x .188"	116	9.4	7.9	5.8	4.6	3.9	2.6	2.0	1.4		
DB10	5F24-188	24' (7.4m)	5" FL x .188"	123	7.4	6.1	4.3	3.3	2.4	1.7	1.1	0.6		
DB10	5F25-188	25' (7.7m)	5" FL x .188"	127	6.6	5.2	3.6	2.7	1.9	1.2	0.7	0.3		
DB10	5R14-250	14' (4.3m)	5" RD x .250"	101	35.7	31.5	25.2	20.6	17.2	14.5	12.4	10.7		
DB10	5R16-250	16' (4.9m)	5" RD x .250"	110	30.5	26.8	21.3	17.4	14.5	12.2	10.4	9.0		
DB10	5R18-250	18' (5.5m)	5" RD x .250"	119	25.8	22.5	17.8	14.5	12.0	10.1	8.6	7.3		
DB10	5R20-250	20' (6.2m)	5" RD x .250"	127	21.8	18.9	14.8	12.0	9.9	8.3	7.0	6.0		
DB10	5R22-250	22' (6.8m)	5" RD x .250"	135	18.5	15.9	12.4	9.9	8.1	6.7	5.7	4.8		
DB10	5R24-250	24' (7.4m)	5" RD x .250"	143	15.7	13.4	10.3	8.2	6.6	5.5	4.5	3.8		
DB10	5R25-250	25' (7.7m)	5" RD x .250"	145	14.5	12.3	9.3	7.4	6.0	4.9	4.0	3.4		

Note: Overall height is measured to top of pole.