

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

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. Six 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

DATE:	LOCATION:
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ORDERING GUIDE

Example: DB3-4R12-12'-BLS-FS1

CATALOG #

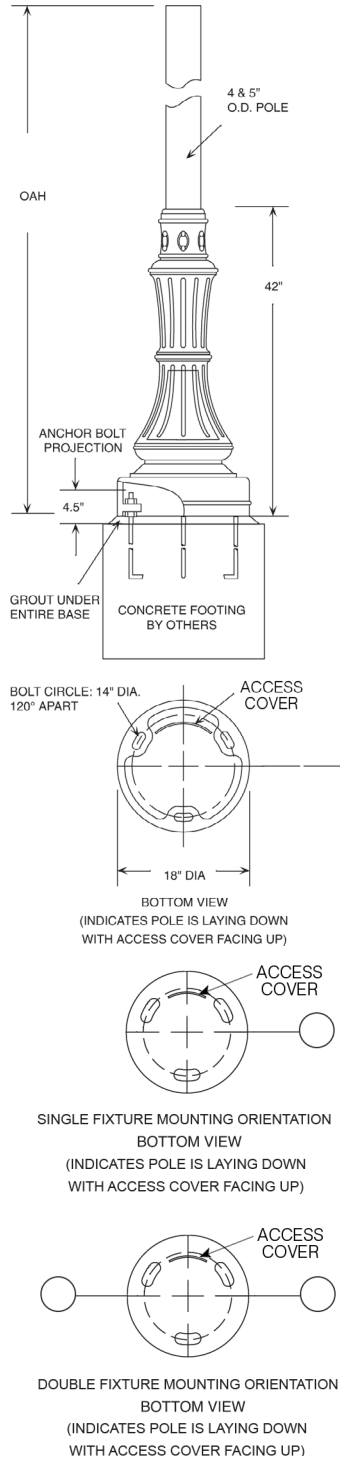
POLE

Base	Pole ¹	Finish	Options
DB4 4" and 5" Round Fluted Pole	ROUND POLE 4"	BLS Black Gloss Smooth	TEN Tenon, 2 3/8" Ø x 4"H
	4R10-125 4R10-125	BLT Black Matte Textured	TEN3 Tenon, 3" Ø x 3"H
	4R12-125 4R12-125	DBS Dark Bronze Gloss Smooth	1A Single Side Arm
	4R14-125 4R16-125	DBT Dark Bronze Matte Textured	2B Double Side Arm
	4R16-125 4R10-226	GTT Graphite Matte Textured	PTF Post Top Fixture
	4R10-226 4R10-226	LGS Light Grey Gloss Smooth	PTA Post Top Arm
	4R12-226 4R12-226	LGT Light Grey Matte Textured	PTAD Post Top Adaptor
	4R14-226 4R14-226	PSS Platinum Silver Gloss Smooth	ND No Drilling
	4R16-226 4R16-226	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.
		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
	FLUTED POLE 4"	WHT White Matte Textured	
	4F10-188 4F10-188	Color Option	GFI Ground Fault Interrupter. Wet location receptacle. Standard location is 24" down from top of pole, In-line with hand hole
	4F12-188 4F12-188	CC Custom Color ²	
	4F14-188 4F14-188		
	4F16-188 4F16-188		
	ROUND POLE 5"		
	5R14-188 5R14-188		
	5R16-188 5R16-188		
	5R18-188 5R18-188		
	5R20-188 5R20-188		
	5R22-188 5R22-188		
	5R24-188 5R24-188		
	5R25-188 5R25-188		
	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		
	FLUTED POLE 5"		
	5F14-188 5F14-188		
	5F16-188 5F16-188		
	5F18-188 5F18-188		
	5F20-188 5F20-188		
	5F22-188 5F22-188		
	5F24-188 5F24-188		
	5F25-188 5F25-188		

Notes:

- 1 Consult Maximum Allowable EPA (MPH) chart on page 3
- 2 Consult factory for custom color, marine and corrosive finish
- 3 For 5" O.D. Only
- 4 For 4" O.D. Only

DIMENSIONS



PRODUCT EXCEPTIONS & DETAILS

		MAXIMUM ALLOWABLE EPA (MPH)												
1. BASE	2. POLE	3. OAH	SHAFT	WT	85	90	100	110	120	130	140	150		
DB4	4R10-125	10' (3.1m)	4" RD x .125"	81	19.4	17.1	13.5	10.8	8.9	7.4	6.3	5.5		
DB4	4R12-125	12' (3.7m)	4" RD x .125"	85	15.3	13.4	10.5	8.3	6.7	5.6	4.7	4.0		
DB4	4R14-125	14' (4.3m)	4" RD x .125"	88	12.3	10.7	8.2	6.3	5.0	4.1	3.4	2.9		
DB4	4R16-125	16' (4.9m)	4" RD x .125"	92	10.0	8.6	6.4	4.8	3.6	2.9	2.4	2.0		
DB4	4R10-226	10' (3.1m)	4" RD x .226"	91	23.8	21.0	16.7	13.5	11.1	9.3	8.0	6.9		
DB4	4R12-226	12' (3.7m)	4" RD x .226"	97	19.2	16.9	13.3	10.6	8.6	7.2	6.1	5.3		
DB4	4R14-226	14' (4.3m)	4" RD x .226"	104	15.9	13.9	10.8	8.4	6.8	5.6	4.7	4.0		
DB4	4R16-226	16' (4.9m)	4" RD x .226"	110	12.4	12.3	9.4	7.3	5.7	4.7	4.0	3.3		
DB4	4F10-188	10' (3.1m)	4" FL x .188"	87	22.1	19.5	15.4	12.4	10.2	8.5	7.1	6.1		
DB4	4F12-188	12' (3.7m)	4" FL x .188"	92	17.6	15.4	12.1	9.6	7.7	6.4	5.3	4.4		
DB4	4F14-188	14' (4.3m)	4" FL x .188"	98	14.3	12.5	9.6	7.5	5.9	4.8	3.9	3.2		
DB4	4F16-188	16' (4.9m)	4" FL x .188"	103	11.7	10.1	7.6	5.8	4.4	3.5	2.7	2.2		
DB4	5R14-188	14' (4.3m)	5" RD x .188"	105	32.3	28.5	22.7	18.6	15.5	13.1	11.2	9.6		
DB4	5R16-188	16' (4.9m)	5" RD x .188"	112	27.3	23.9	19.0	15.5	12.8	10.8	9.2	7.9		
DB4	5R18-188	18' (5.5m)	5" RD x .188"	119	22.8	19.8	15.6	12.7	10.5	8.8	7.4	6.4		
DB4	5R20-188	20' (6.2m)	5" RD x .188"	125	18.9	16.4	12.8	10.3	8.5	7.0	5.9	5.0		
DB4	5R22-188	22' (6.8m)	5" RD x .188"	131	15.8	13.5	10.4	8.3	6.8	5.6	4.7	3.9		
DB4	5R24-188	24' (7.4m)	5" RD x .188"	137	13.1	11.1	8.4	6.6	5.3	4.3	3.6	3.0		
DB4	5R25-188	25' (7.7m)	5" RD x .188"	140	11.9	10.0	7.5	5.9	4.7	3.8	3.1	2.5		
DB4	5R14-250	14' (4.3m)	5" RD x .250"	117	35.7	31.5	25.2	20.6	17.2	14.5	12.4	10.7		
DB4	5R16-250	16' (4.9m)	5" RD x .250"	126	30.5	26.8	21.3	17.4	14.5	12.2	10.4	9.0		
DB4	5R18-250	18' (5.5m)	5" RD x .250"	135	25.8	22.5	17.8	14.5	12.0	10.1	8.6	7.3		
DB4	5R20-250	20' (6.2m)	5" RD x .250"	144	21.8	18.9	14.8	12.0	9.9	8.3	7.0	6.0		
DB4	5R22-250	22' (6.8m)	5" RD x .250"	152	18.5	15.9	12.4	9.9	8.1	6.7	5.7	4.8		
DB4	5R24-250	24' (7.4m)	5" RD x .250"	161	15.7	13.4	10.3	8.2	6.6	5.5	4.5	3.8		
DB4	5R25-250	25' (7.7m)	5" RD x .250"	166	14.5	12.3	9.3	7.4	6.0	4.9	4.0	3.4		
DB4	5F14-188	14' (4.3m)	5" FL x .188"	105	21.4	18.7	14.8	12.1	10.0	8.2	6.9	5.8		
DB4	5F16-188	16' (4.9m)	5" FL x .188"	112	17.8	15.5	12.1	9.8	8.0	6.6	5.4	4.5		
DB4	5F18-188	18' (5.5m)	5" FL x .188"	119	14.5	12.5	9.7	7.8	6.3	5.1	4.1	3.3		
DB4	5F20-188	20' (6.2m)	5" FL x .188"	125	11.8	10.0	7.6	6.1	4.8	3.7	3.0	2.3		
DB4	5F22-188	22' (6.8m)	5" FL x .188"	131	9.4	7.9	5.8	4.6	3.9	2.6	2.0	1.4		
DB4	5F24-188	24' (7.4m)	5" FL x .188"	137	7.4	6.1	4.3	3.3	2.4	1.7	1.1	0.6		
DB4	5F25-188	25' (7.7m)	5" FL x .188"	140	6.6	5.2	3.6	2.7	1.9	1.2	0.7	0.3		

Note: Overall height is measured to top of pole.

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