

## 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

**ORDERING GUIDE**

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

CATALOG #

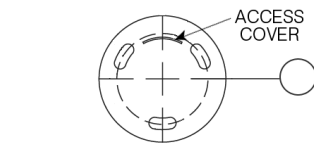
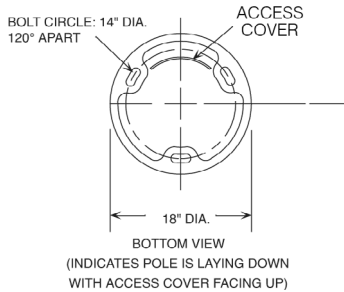
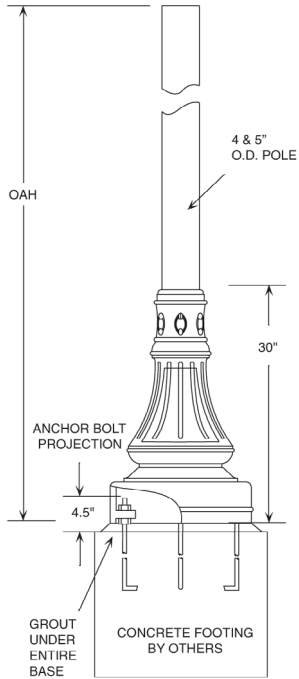
**POLE**

Base	Pole <sup>1</sup>	Finish	Options
<b>DB3</b> 4" and 5" Round Fluted Pole	<b>ROUND POLES 4"</b>	<b>BLS</b> Black Gloss Smooth	<b>TEN</b> Tenon, 2 3/8" Ø x 4"H
	<b>4R10-125</b> 4R10-125	<b>BLT</b> Black Matte Textured	<b>TEN3</b> Tenon, 3" Ø x 3"H
	<b>4R12-125</b> 4R12-125	<b>DBS</b> Dark Bronze Gloss Smooth	<b>1A</b> Single Side Arm
	<b>4R14-125</b> 4R16-125	<b>DBT</b> Dark Bronze Matte Textured	<b>2B</b> Double Side Arm
	<b>4R16-125</b> 4R10-226	<b>GTT</b> Graphite Matte Textured	<b>PTF</b> Post Top Fixture
	<b>4R10-226</b> 4R10-226	<b>LGS</b> Light Grey Gloss Smooth	<b>PTA</b> Post Top Arm
	<b>4R12-226</b> 4R12-226	<b>LGT</b> Light Grey Matte Textured	<b>PTAD</b> Post Top Adaptor
	<b>4R14-226</b> 4R14-226	<b>PSS</b> Platinum Silver Gloss Smooth	<b>ND</b> No Drilling
	<b>4R16-226</b> 4R16-226	<b>VGT</b> Verde Green Matte Textured	<b>PCR</b> 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.
	<b>4R18-226</b> 4R18-226	<b>WHS</b> White Gloss Smooth	<b>RBC</b> 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
	<b>4R20-226</b> 4R20-226	<b>WHT</b> White Matte Textured	<b>GFI</b> Ground Fault Interrupter. Wet location receptacle. Standard location is 24" down from top of pole, in-line with hand hole
	<b>FLUTED POLES 4"</b>	<b>Color Option</b>	
	<b>4F10-188</b> 4F10-188	<b>CC</b> Custom Color <sup>2</sup>	
	<b>4F12-188</b> 4F12-188		
	<b>4F14-188</b> 4F14-188		
	<b>4F16-188</b> 4F16-188		
	<b>4F18-188</b> 4F18-188		
	<b>4F20-188</b> 4F20-188		
	<b>ROUND POLES 5"</b>		
	<b>5R14-188</b> 5R14-188		
	<b>5R16-188</b> 5R16-188		
	<b>5R18-188</b> 5R18-188		
	<b>5R20-188</b> 5R20-188		
	<b>5R22-188</b> 5R22-188		
	<b>5R24-188</b> 5R24-188		
	<b>5R25-188</b> 5R25-188		
	<b>5R14-250</b> 5R14-250		
	<b>5R16-250</b> 5R16-250		
	<b>5R18-250</b> 5R18-250		
	<b>5R20-250</b> 5R20-250		
	<b>5R22-250</b> 5R22-250		
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	<b>5R25-250</b> 5R25-250		
	<b>FLUTED POLES 5"</b>		
	<b>5F12-188</b> 5F12-188		
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	<b>5F16-188</b> 5F16-188		
	<b>5F18-188</b> 5F18-188		
	<b>5F20-188</b> 5F20-188		
	<b>5F22-188</b> 5F22-188		
<b>5F24-188</b> 5F24-188			
<b>5F25-188</b> 5F25-188			

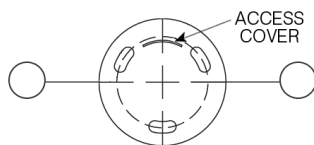
Notes:

- 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**



SINGLE FIXTURE MOUNTING ORIENTATION  
BOTTOM VIEW  
(INDICATES POLE IS LAYING DOWN  
WITH ACCESS COVER FACING UP)



DOUBLE FIXTURE MOUNTING ORIENTATION  
BOTTOM VIEW  
(INDICATES POLE IS LAYING DOWN  
WITH ACCESS COVER FACING UP)

**PRODUCT EXCEPTIONS & DETAILS**

1. BASE	2. POLE	3. OAH	SHAFT	MAXIMUM ALLOWABLE EPA (MPH)										
				WT	85	90	100	110	120	130	140	150		
DB3	4R10-125	10' (3.1m)	4" RD x .125"	73	19.4	17.1	13.5	10.8	8.9	7.4	6.3	5.5		
DB3	4R12-125	12' (3.7m)	4" RD x .125"	77	15.3	13.4	10.5	8.3	6.7	5.6	4.7	4.0		
DB3	4R14-125	14' (4.3m)	4" RD x .125"	81	12.3	10.7	8.2	6.3	5.0	4.1	3.4	2.9		
DB3	4R16-125	16' (4.9m)	4" RD x .125"	84	10.0	8.6	6.4	4.8	3.6	2.9	2.4	2.0		
DB3	4R10-226	10' (3.1m)	4" RD x .226"	85	23.8	21.0	16.7	13.5	11.1	9.3	8.0	6.9		
DB3	4R12-226	12' (3.7m)	4" RD x .226"	92	19.2	16.9	13.3	10.6	8.6	7.2	6.1	5.3		
DB3	4R14-226	14' (4.3m)	4" RD x .226"	98	15.9	13.9	10.8	8.4	6.8	5.6	4.7	4.0		
DB3	4R16-226	16' (4.9m)	4" RD x .226"	104	12.4	12.3	9.4	7.3	5.7	4.7	4.0	3.3		
DB3	4R18-226	18' (5.5m)	4" RD x .226"	110	11.7	10.0	7.5	5.6	4.3	3.5	2.9	2.4		
DB3	4R20-226	20' (6.2m)	4" RD x .226"	116	9.5	8.1	5.9	4.2	3.1	2.4	1.9	1.6		
DB3	4F10-188	10' (3.1m)	4" FL x .188"	80	22.1	19.5	15.4	12.4	10.2	8.5	7.1	6.1		
DB3	4F12-188	12' (3.7m)	4" FL x .188"	86	17.6	15.4	12.1	9.6	7.7	6.4	5.3	4.4		
DB3	4F14-188	14' (4.3m)	4" FL x .188"	91	14.3	12.5	9.6	7.5	5.9	4.8	3.9	3.2		
DB3	4F16-188	16' (4.9m)	4" FL x .188"	96	11.7	10.1	7.6	5.8	4.4	3.5	2.7	2.2		
DB3	4F18-188	18' (5.5m)	4" FL x .188"	101	9.4	8.0	5.6	4.3	3.1	2.3	1.7	1.2		
DB3	4F20-188	20' (6.2m)	4" FL x .188"	106	7.4	6.2	4.3	2.9	1.9	1.2	0.7	0.4		
DB3	5R14-188	14' (4.3m)	5" RD x .188"	100	32.3	28.5	22.7	18.6	15.5	13.1	11.2	9.6		
DB3	5R16-188	16' (4.9m)	5" RD x .188"	106	27.3	23.9	19.0	15.5	12.8	10.8	9.2	7.9		
DB3	5R18-188	18' (5.5m)	5" RD x .188"	113	22.8	19.8	15.6	12.7	10.5	8.8	7.4	6.4		
DB3	5R20-188	20' (6.2m)	5" RD x .188"	120	18.9	16.4	12.8	10.3	8.5	7.0	5.9	5.0		
DB3	5R22-188	22' (6.8m)	5" RD x .188"	127	15.8	13.5	10.4	8.3	6.8	5.6	4.7	3.9		
DB3	5R24-188	24' (7.4m)	5" RD x .188"	134	13.1	11.1	8.4	6.6	5.3	4.3	3.6	3.0		
DB3	5R25-188	25' (7.7m)	5" RD x .188"	138	11.9	10.0	7.5	5.9	4.7	3.8	3.1	2.5		
DB3	5R14-250	14' (4.3m)	5" RD x .250"	113	35.7	31.5	25.2	20.6	17.2	14.5	12.4	10.7		
DB3	5R16-250	16' (4.9m)	5" RD x .250"	122	30.5	26.8	21.3	17.4	14.5	12.2	10.4	9.0		
DB3	5R18-250	18' (5.5m)	5" RD x .250"	131	25.8	22.5	17.8	14.5	12.0	10.1	8.6	7.3		
DB3	5R20-250	20' (6.2m)	5" RD x .250"	139	21.8	18.9	14.8	12.0	9.9	8.3	7.0	6.0		
DB3	5R22-250	22' (6.8m)	5" RD x .250"	148	18.5	15.9	12.4	9.9	8.1	6.7	5.7	4.8		
DB3	5R24-250	24' (7.4m)	5" RD x .250"	157	15.7	13.4	10.3	8.2	6.6	5.5	4.5	3.8		
DB3	5R25-250	25' (7.7m)	5" RD x .250"	161	14.5	12.3	9.3	7.4	6.0	4.9	4.0	3.4		
DB3	5F12-188	12' (3.7m)	5" FL x .188"	94	25.4	22.3	17.8	14.7	12.1	10.0	8.6	7.2		
DB3	5F14-188	14' (4.3m)	5" FL x .188"	100	21.4	18.7	14.8	12.1	10.0	8.2	6.9	5.8		
DB3	5F16-188	16' (4.9m)	5" FL x .188"	106	17.8	15.5	12.1	9.8	8.0	6.6	5.4	4.5		
DB3	5F18-188	18' (5.5m)	5" FL x .188"	113	14.5	12.5	9.7	7.8	6.3	5.1	4.1	3.3		
DB3	5F20-188	20' (6.2m)	5" FL x .188"	120	11.8	10.0	7.6	6.1	4.8	3.7	3.0	2.3		
DB3	5F22-188	22' (6.8m)	5" FL x .188"	127	9.4	7.9	5.8	4.6	3.9	2.6	2.0	1.4		
DB3	5F24-188	24' (7.4m)	5" FL x .188"	134	7.4	6.1	4.3	3.3	2.4	1.7	1.1	0.6		
DB3	5F25-188	25' (7.7m)	5" FL x .188"	138	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.