

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 bolt for poles are 3/4" x 24" x 3"

CERTIFICATION

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

ORDERING GUIDE

Example: DB1-4R12-125-14'-BLT-FS1

CATALOG #

POLE

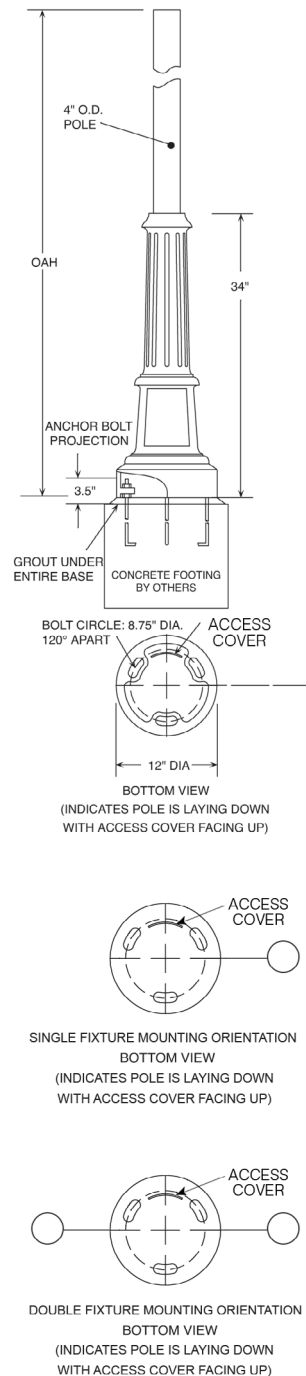
Base	Pole ¹	Finish	Options	
DB1 4" Round Pole	Round Pole	BLS Black Gloss Smooth	TEN Tenon, 2 3/8" Ø x 4"H	
	4R10-125 4R10-125	BLT Black Matte Textured	TEN3 Tenon, 3" Ø x 3"H	
	4R12-125 4R12-125	DBS Dark Bronze Gloss Smooth	1A Single Side Arm	
	4R14-125 4R14-125	DBT Dark Bronze Matte Textured	2B Double Side Arm	
	4R16-125 4R16-125	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	
		WHT White Matte Textured		
	Fluted Pole	Color Option		
	4F10-188 4F10-188	CC Custom Color ²		
		4F12-188 4F12-188		GFI Ground Fault Interrupter. Wet location receptacle. Standard location is 24" down from top of pole, In-line with hand hole
		4F14-188 4F14-188		
		4F16-188 4F16-188		

Notes:

- 1 Consult Maximum Allowable EPA (MPH) chart on page 2
- 2 Consult factory for custom color, marine and corrosive finish

Note: Overall height is measured to top of pole

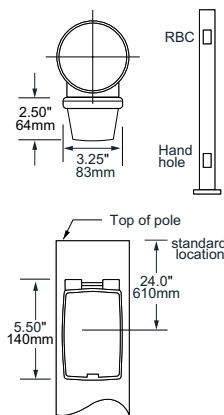
DIMENSIONS



PRODUCT EXCEPTIONS & DETAILS

1. BASE	2. POLE	3. OAH	MAXIMUM ALLOWABLE EPA (MPH)										
			SHAFT	WT	85	90	100	110	120	130	140	150	
DB1	4R10-125	10' (3.1m)	4" RD x .125"	44	19.4	17.1	13.5	10.8	8.9	7.4	6.3	5.5	
DB1	4R12-125	12' (3.7m)	4" RD x .125"	48	15.3	13.4	10.5	8.3	6.7	5.6	4.7	4.0	
DB1	4R14-125	14' (4.3m)	4" RD x .125"	51	12.3	10.7	8.2	6.3	5.0	4.1	3.4	2.9	
DB1	4R16-125	16' (4.9m)	4" RD x .125"	55	10.0	8.6	6.4	4.8	3.6	2.9	2.4	2.0	
DB1	4R10-226	10' (3.1m)	4" RD x .226"	55	23.8	21.0	16.7	13.5	11.1	9.3	8.0	6.9	
DB1	4R12-226	12' (3.7m)	4" RD x .226"	61	19.2	16.9	13.3	10.6	8.6	7.2	6.1	5.3	
DB1	4R14-226	14' (4.3m)	4" RD x .226"	67	15.9	13.9	10.8	8.4	6.8	5.6	4.7	4.0	
DB1	4R16-226	16' (4.9m)	4" RD x .226"	74	12.4	12.3	9.4	7.3	5.7	4.7	4.0	3.3	
DB1	4F10-188	10' (3.1m)	4" FL x .188"	51	22.1	19.5	15.4	12.4	10.2	8.5	7.1	6.1	
DB1	4F12-188	12' (3.7m)	4" FL x .188"	56	17.6	15.4	12.1	9.6	7.7	6.4	5.3	4.4	
DB1	4F14-188	14' (4.3m)	4" FL x .188"	61	14.3	12.5	9.6	7.5	5.9	4.8	3.9	3.2	
DB1	4F16-188	16' (4.9m)	4" FL x .188"	67	11.7	10.1	7.6	5.8	4.4	3.5	2.7	2.2	

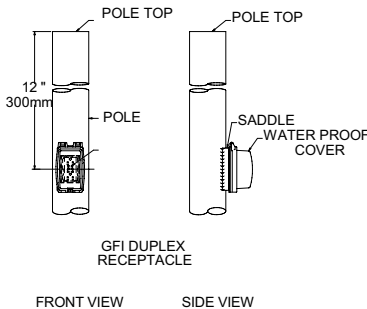
Note: Overall height is measured to top of pole.



RBC

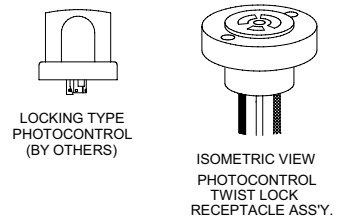
Cast aluminum receptacle housing, integrally welded to the pole. Includes a NEC approved clear weatherproof U.L. listed in-use cover. Does not include a receptacle or internal wiring.

(Standard RBC is 24" below the top of the pole. Consult factory for alternative locations, which may require additional factory reinforcement)



GFI (WITH RBC)

Ground Fault Interrupter. Wet location receptacle. Standard location is 24" down from top of pole. Inline with hand hole.



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.