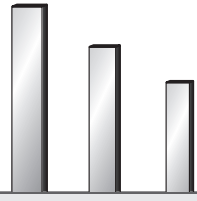


SQUARE STRAIGHT ALUMINUM POLE

SSA



SUBMITTAL:

JOB:

TYPE:

EXAMPLE: **VM - SSA - 080 - 0400 - 125 - T238 - DBR - AB - OPTIONS**

PREFIX SERIES HEIGHT SHAFT DIMENSION WALL THICKNESS FIXTURE MOUNTING FINISH OPTIONS ANCHOR BOLTS OPTIONS

SERIES

SSA — The SSA Series square straight aluminum pole features one-piece construction in heights up to 35'.

Height, shaft dimension, and wall thickness combinations are limited to those specified in the Load and Dimensional Data table on page 3C.

HEIGHT (Must specify)

080¹	8'-0" ¹
100¹	10'-0" ¹
120¹	12'-0" ¹
140¹	14'-0" ¹
150¹	15'-0" ¹
160²	16'-0" ²
180	18'-0"
200	20'-0"
250³	25'-0" ³
300²	30'-0" ⁴
320⁴	32'-0" ⁴
350⁴	35'-0" ⁴

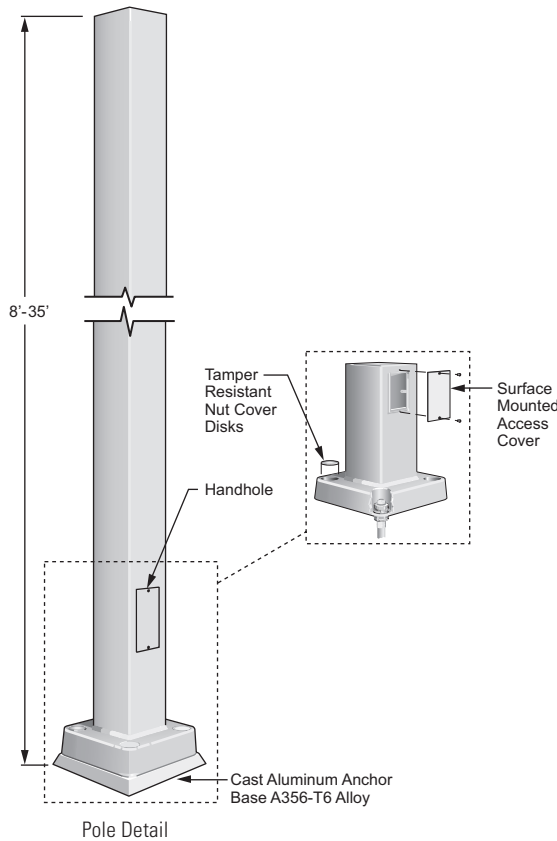
¹ 0.125" wall thickness only.
² 0.125" and 0.188" wall thickness only.
³ 0.188" and 0.250" wall thickness only.
⁴ 0.250" wall thickness only.

SHAFT DIMENSION (Must specify)

0400	4.00" (up to 20' only)
0500	5.00" (18' - 25' only)
0600	6.00" (20' - 35' only)
0675	6.75" (30' and 35' only)

WALL THICKNESS (Must specify)

125	0.125" (up to 20' only)
188	0.188" (16' - 25' only)
250	0.250" (20' - 35' only)



SSA SERIES

POLE — The pole shaft is extruded from seamless alloy aluminum.

POLE TOP — A pole top tenon is provided for top mount luminaire and/or bracket. A removable pole cap is available for poles receiving drilling patterns for side-mount luminaire arm assemblies.

HANDHOLE — A covered handhole with hardware and grounding provision are provided.

BASE COVER — Optional Dart Square - 2T cast aluminum and decorative base covers available as special order.

FIXTURE MOUNTING

Luminaires may be mounted on tenons or shaft may be drilled to specifications. When poles are drilled for luminaire mounting, black plastic pole top caps will be supplied. See Williams' Pole Top Assemblies for various fixture mounting tenon and arm assemblies.

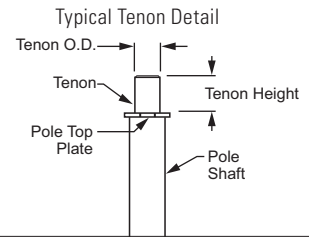
RADIAL INDEX

The radial index references how parts are oriented around the shaft. A degree measurement is used from a base point. The standard base point of reference is the handhole. Degrees are measured in a clockwise motion as viewed from the top of the shaft.

FIXTURE MOUNTING (Must specify)

POLE TOP MOUNT

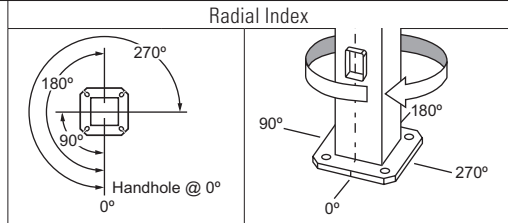
T238	2-3/8" O.D. x 4" round tenon (use with Williams' Pole Top Tenon Mounts)
T278	2-7/8" O.D. x 4" round tenon
T33	3" O.D. x 3" round tenon (use with Williams' Historic Pole Top Assemblies)
T312	3-1/2" O.D. x 12" round tenon (use with Williams' AVPT Decorative Pole Top Assemblies)
TC_	Custom round tenon (must specify tenon diameter (O.D.) and height, consult factory)



DRILLED SIDE MOUNT

Must specify drilling location using codes below. See radial index for clarification.

EXAMPLE: SM/S
(side mount drill, single fixture located at 0°)



SM/S

Side mount drill/single 0°
(located at 0°)



SM/D90

Side mount drill/double 90°
(located at 0° and 90°)



SM/D180

Side mount drill/double 180°
(located at 0° and 180°)



SM/T90

Side mount drill/triple 90°
(located at 0°, 90°, and 180°)



SM/Q90

Side mount drill/quad 90°
(located at 0°, 90°, 180°, and 270°)

FINISH OPTIONS

Polyester powder coat applied over chromate pre-treatment.

FINISH OPTIONS (Must specify)

BLK	Black (RAL #9004)	GRN	Green (RAL #6005)
DBZ	Dark bronze	SLV	Satin aluminum (RAL #9006)
DBR	Medium bronze	WHT	White (RAL #9003)
GRAY	Standard gray	RAL#	Specify custom color

ANCHOR BOLTS

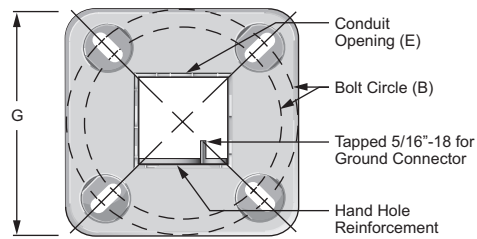
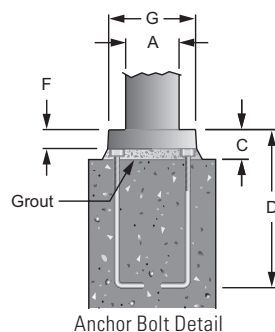
Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end.

ANCHOR BASE

The anchor base is cast from 356 alloy aluminum. The completed assembly is heat-treated to a T6 temper. Tamper resistant aluminum nut cover discs are included with anchor base unless otherwise specified.

ANCHOR BOLTS (Must specify)

AB	Anchor bolts (4 each, shipped with pole)
LAB	Less anchor bolts
PAB	Pre-shipped anchor bolts (4 each)

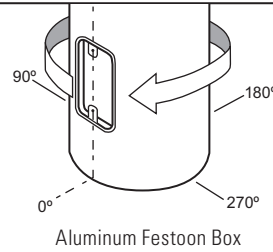


POLE SIZE (A)	ANCHOR BOLTS			ANCHOR BASE		
	BOLT CIRCLE (B)	BOLT PROJECT. (C)	BOLT SIZE (D)	CONDUIT OPENING (E)	BASE HT. (F)	BASE SIZE (G)
4"	8.5" - 9.5"	3.125" ± 0.125"	0.75 x 17"	3.5"	2"	9.9375"
5"	10.75" - 11.50"	3.25" ± 0.125"	0.75 x 17"	4.5"	2.5"	11.5625"
6"	12" - 13"	4.00" ± 0.125"	1" x 36"	5.5"	2.75"	12.75"
6.75"	14.125" - 15.125"	4.25" ± 0.125"	1" x 36"	6.25"	3.625"	15.125"

OPTIONS

FS Festoon box only

NOTE: Casting only. Outlet, cover, and hardware by others. The festoon box is located above the access door at 0°, approximately 41" above ground level.



VB1 Vibration damper (factory installed)

VB2 Vibration damper (field installed, 10'-20')

VB3 Vibration damper (field installed 22'-30')

VB4 Vibration damper (field installed 32'-40')

LOAD AND DIMENSIONAL DATA (Continued on back page)

NOM. MTG. HEIGHT (FT)	CATALOG NUMBER	POLE DIMENSIONS				MAXIMUM EPA (SQ FT) ⁵				
		SHAFT DIM. (IN)	WALL THK. (IN)	MAXIMUM LUMINAIRE WT. (LBS)	STRUCT. WT. (LBS)	70 MPH	80 MPH	90 MPH	100 MPH	110 MPH
8	SSA-080-0400-125	4.00	.125	350	24	26.6	19.9	15.2	11.9	9.5
10	SSA-100-0400-125	4.00	.125	260	28	20.6	15.2	11.4	8.8	6.8
12	SSA-120-0400-125	4.00	.125	260	33	16.0	11.5	8.5	6.3	4.6
14	SSA-140-0400-125	4.00	.125	200	37	12.9	9.0	6.4	4.5	3.1
15	SSA-150-0400-125	4.00	.125	200	39	9.1	6.2	4.2	2.8	1.8
16	SSA-160-0400-125	4.00	.125	200	42	7.9	5.3	3.4	2.1	1.1
	SSA-160-0400-188	4.00	.188	200	59	13.3	9.4	6.7	4.7	3.3
18	SSA-180-0400-125	4.00	.125	100	46	6.4	4.0	2.3	1.1	-
	SSA-180-0400-188	4.00	.188	150	66	11.0	7.4	5.0	3.3	2.0
	SSA-180-0500-188	5.00	.188	260	85	19.2	13.5	9.6	6.8	4.7
20	SSA-200-0400-125	4.00	.125	150	51	4.5	2.3	-	-	-
	SSA-200-0400-188	4.00	.188	150	73	8.8	5.6	3.5	1.9	-
	SSA-200-0500-188	5.00	.188	150	93	16.4	11.2	7.6	5.0	3.2
	SSA-200-0600-188	6.00	.188	150	114	26.1	18.3	13.0	9.2	6.4
	SSA-200-0600-250	6.00	.250	260	148	35.4	25.4	18.6	13.7	10.1
25	SSA-250-0500-188	5.00	.188	100	115	10.2	6.0	3.2	1.1	-
	SSA-250-0600-188	6.00	.188	260	139	16.6	10.6	6.5	3.5	1.3
	SSA-250-0600-250	6.00	.250	260	182	24.4	16.5	11.2	7.3	4.5
30	SSA-300-0600-250	6.00	.250	260	216	14.8	9.0	5.0	2.1	-
	SSA-300-0675-250	6.75	.250	260	250	21.1	13.5	8.2	4.5	1.7
32	SSA-320-0600-250 ⁶	6.00	.250	150	229	12.7	7.1	3.3	-	-
35	SSA-350-0600-250 ⁶	6.00	.250	100	250	9.4	4.3	-	-	-
	SSA-350-0675-250 ⁶	6.75	.250	150	288	14.1	7.6	3.1	-	-

⁵ Effective Projected Area (EPA) calculations are based on a 1.3 Gust Factor. Variations from sizes listed above available upon inquiry. Satisfactory performance of lighting poles is dependent upon the pole being properly attached to a supporting foundation of adequate design. H.E. Williams, Inc. does not offer recommendations for foundations. See Williams Outdoor Information Section, page 19A, for Wind Map and EPA information.

⁶ Pole includes factory-installed vibration damper.

NOTES

- Pole installations in various parts of the country perform satisfactorily; however, in select locations destructive vibration can occur. H.E. Williams, Inc. is not responsible for vibration induced fatigue damage.
- H.E. Williams, Inc. warrants this product to be free from defects in materials and workmanship. Any defective part returned within one year from the date of delivery of the goods will be repaired or replaced without charge, F.O.B. factory. This warranty specifically excludes fatigue or similar phenomena resulting from induced vibration, harmonic oscillation or resonance associated with movement of air currents around the product. The above warranties are given in lieu of all other warranties express or implied, including without limitation, the warranty of merchantability and the warranty of suitability for a particular purpose. It is expressly stated that H.E. Williams, Inc. assumes no liability for consequential or liquidated damages arising out of a breach of the sale, including any warranties arising therefrom, and buyer's remedy shall be limited to repair or replacement of defective parts as described above. Any action for the breach under a sale including any warranties arising therefrom must be commenced within one year after the cause of action accrues.

SSA

SQUARE STRAIGHT ALUMINUM POLE

