

# AL-SSP SERIES STEEL POLES

Square Straight Steel Poles

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
 TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_  
 CONSTRUCTION: \_\_\_\_\_

## Description

The AL-SSP Square Straight Steel Poles are designed for top or side mounted luminaires, with a universal drill pattern on all four sides of the pole. Polycarbonate plugs are included to cover all unused holes. AL-SSP poles are currently stocked in 20', 25' and 30' lengths in a dark bronze finish. Pole includes pole cap, anchor bolts, base plate cover, hand hole cover and anchor bolt template.

## Construction

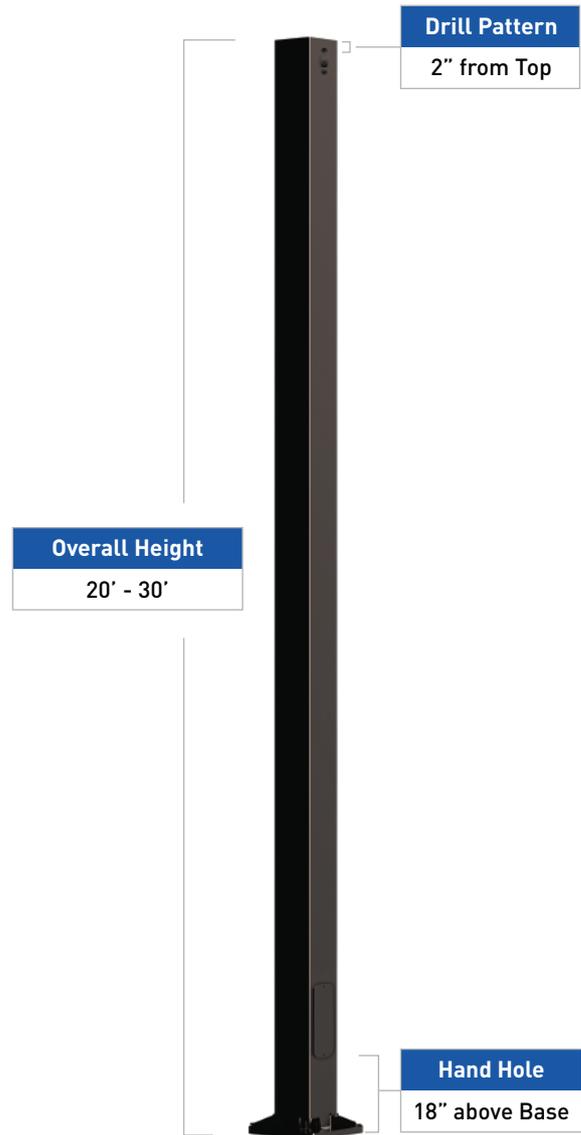
- High grade steel conforming to Q235B, minimum yield strength of 34,000 PSI.
- Polyester powder coat dark bronze finish baked at 400°F (204°C) to optimize paint adhesion, durability and hardness.
- Pre-drilled universal hole pattern on all four sides for flexible luminaire attachment.
- Galvanized ASTM A36 alloy with 55,000 PSI minimum yield strength steel anchor bolts.

## Installation

- Pole includes spring-loaded polycarbonate pole cap, anchor bolts, easily secured 2-piece base plate cover, reinforced cast-iron hand hole cover with ground screw and bolt circle template.
- 12 Plugs provided to seal unused drill holes at top of pole.

## Warranty

- 1 Year limited warranty

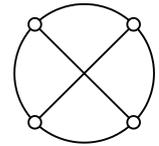
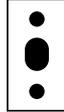


## Ordering Information & Specs at a Glance

Catalog Number	Height	Nominal Shaft Dimensions	Wall Thickness	Bolt Circle	Bolt Circle (Range)	Bolt Square (Range)	Base Plate Square	Anchor Bolt Size	Bolt Projection	Pole Weight
AL-SSP44G1120	20 ft.	4"	0.118"	9"	8" - 11"	5.66" - 7.78"	10.5"	3/4" x 30" x 4"	3.5"	150 lbs
AL-SSP44G1125	25 ft.	4"	0.118"	9"	8" - 11"	5.66" - 7.78"	10.5"	3/4" x 30" x 4"	3.5"	176 lbs
AL-SSP55G1130	30 ft.	5"	0.118"	11"	10.5" - 12"	7.47" - 8.63"	11"	3/4" x 30" x 4"	3.5"	269 lbs
AL-SSP55G0730	30 ft.	5"	0.177"	11"	10.5" - 12"	7.47" - 8.63"	11"	3/4" x 30" x 4"	3.5"	386 lbs

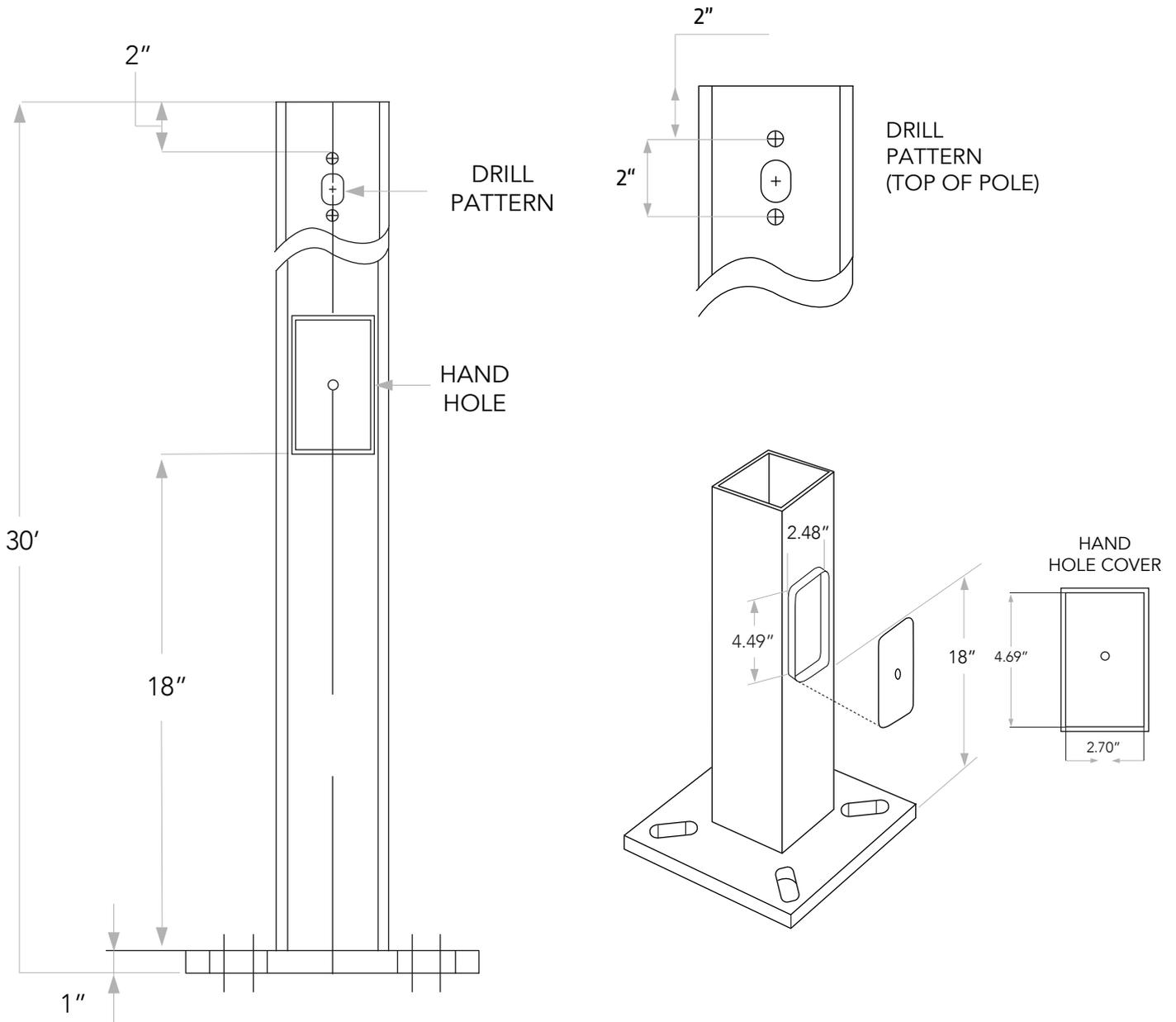
\*Standard dark bronze finish, consult factory for alternative finishes.

## Included Accessories

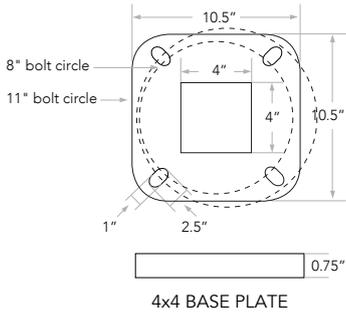
 <p><b>AL-JB3044</b> Set of 4 J-Bolts (3/4" x 30" x 4")</p>	 <p>Base Plate Cover</p>	 <p>Pole Cap</p>	 <p>Hand Hole Cover</p>	 <p>Template</p>	 <p>Plugs (Large Round-4, Round-8)</p>
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## Dimensions

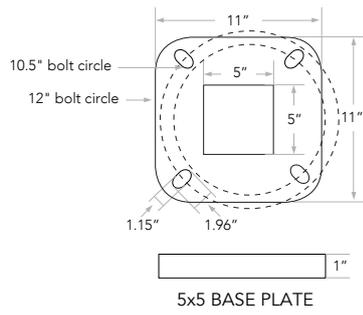
H	B
20'-25'	0.75"
30'	1"



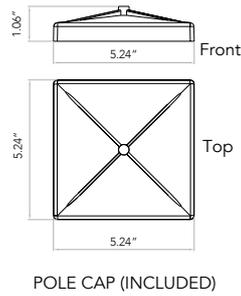
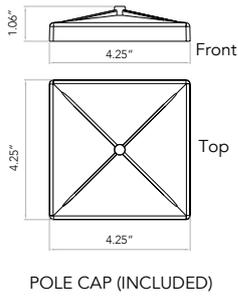
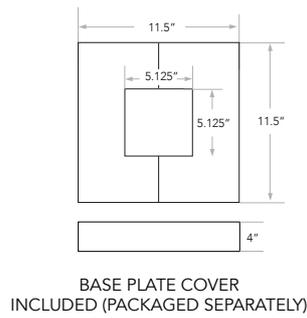
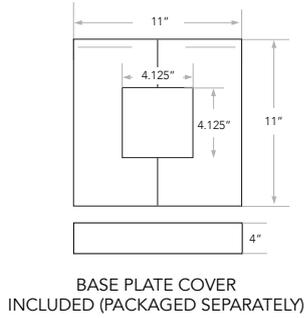
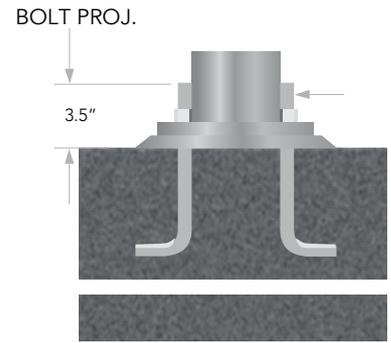
**4" x 4" Pole Shaft**



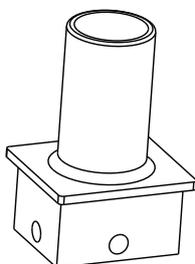
**5" x 5" Pole Shaft**



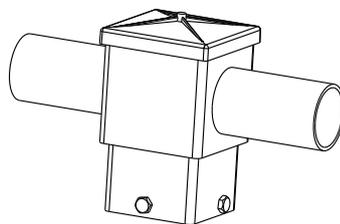
**AL-JB3044 Anchor Bolts**



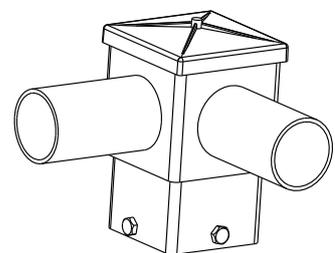
**Mounting Accessories (sold separately):**



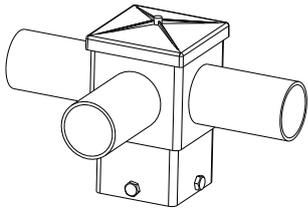
SINGLE SQUARE VERTICAL TENON  
**(PN: AL-4SSVT & AL-5SSVT)**



180° TWIN SQUARE HORIZONTAL TENON  
**(PN: AL-4TWSHT180 & AL-5TWSHT180)**

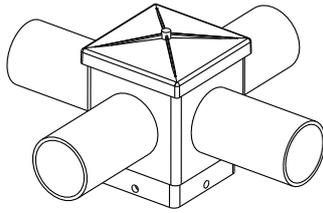


90 DEGREE TWIN SQUARE TENON  
**(PN: AL-4TWSHT90 & AL-5TWSHT90)**



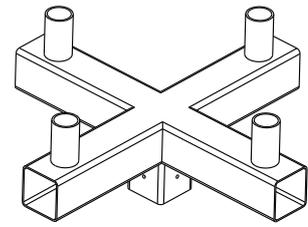
90 DEGREE TRIPLE  
HORIZONTAL TENON

(PN: AL-4TRSHT90 & AL-5TRSHT90)



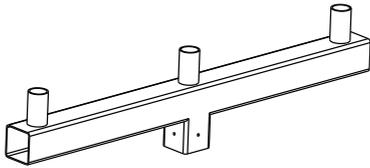
90 DEGREE QUAD SQUARE  
HORIZONTAL TENON

(PN: AL-4QSHT90 & AL-5QSHT90)



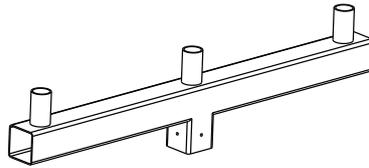
QUAD SQUARE TENON

(PN: AL-4QSVT90 & AL-5QSVT90)



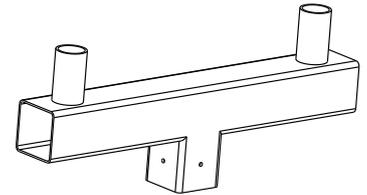
TRIPLE IN-LINE TENON (30")

(PN: AL-4TRSVT & AL-5TRSVT)



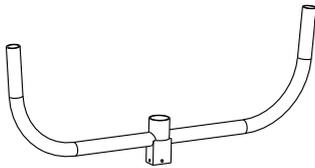
TRIPLE IN-LINE TENON (54")

(PN: AL-4TILT & AL-5TILT)

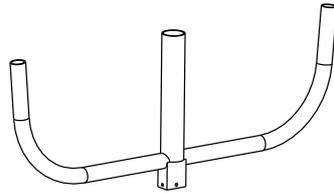


TWIN SQUARE TENON

(PN: AL-4TWSVT & AL-5TWSVT)

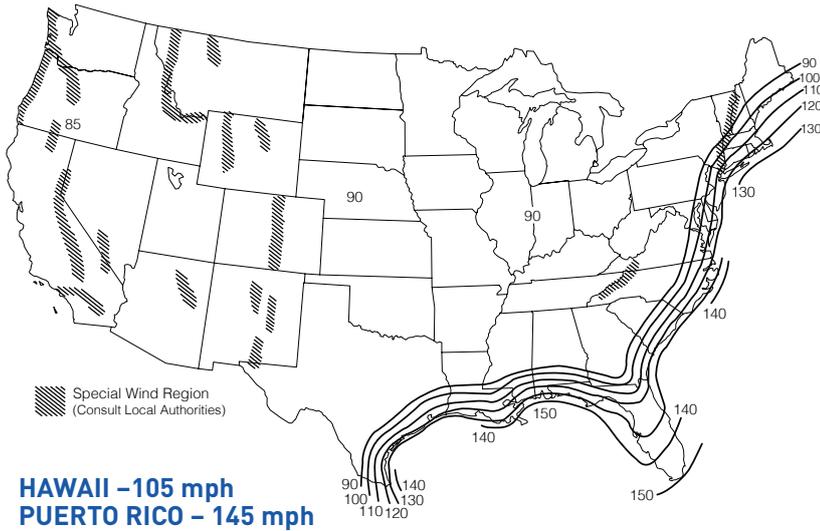


180 DEGREE DOUBLE BULLHORN TENON  
(PN: AL-4DILT180 & AL-5DILT180)

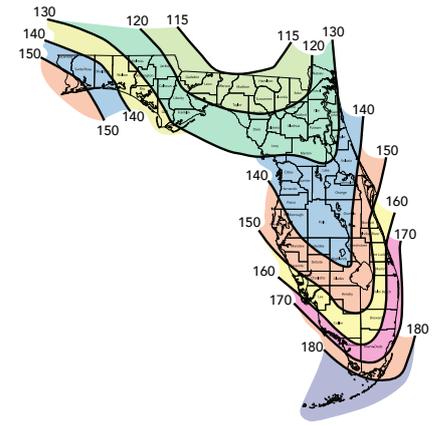


180 DEGREE TRIPLE BULLHORN TENON  
(PN: AL-4TRILT180 & AL-5TRILT180)

**ASCE7-05 WIND MAP**



**FLORIDA REGION WIND MAP**



Florida region wind map above is based upon 3-second gust winds and the 2017 Florida Building Code

Design Wind Speed (per AASHTO LTS-6)							
Catalog Number	90 mph	100 mph	110 mph	120 mph	130 mph	140 mph	150 mph
AL-SSP44G1120	9.1	6.4	4.5	3.0	1.8	.9	.1
AL-SSP44G1125	4.5	2.5	1.1	-	-	-	-
AL-SSP55G1130	2.7	0.4	-	-	-	-	-
AL-SSP55G0730	11.4	7.5	4.7	2.5	0.8	-	-

- Applications: Lighting installations for side and top mounting of luminaires with an effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location.
- Allowable EPA, to determine max pole loading weight, multiply allowable EPA by 30 lbs.
- The Wind Maps are intended only as a general guide. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application.
- Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. The responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer’s warranty.
- Wind speeds and listed EPAs are for ground-mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards.
- Wind induced vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings.
- Extreme wind events like hurricanes, typhoons, cyclones, or tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings. Due to our continued efforts to improve our products, product specifications are subject to change without notice.
- Factory supplied template must be used when setting anchor bolts. Apex Lighting will deny any warranty claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.
- For the diameter and depth of concrete pads for anchor bolts, please consult a qualified engineer.