



# KT-SP-XSQ-XX-XXG-UNV

## SQUARE STRAIGHT STEEL POLE

### DESCRIPTION

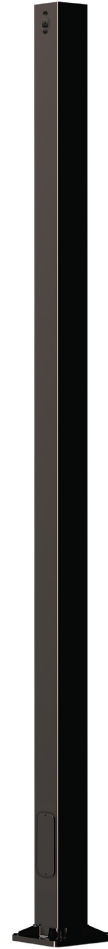
The Keystone Square Pole is designed for top or side mounted luminaries, with a new universal drill pattern on all four sides of the pole. Polycarbonate black plugs are included to cover all unused holes (16 total). Stocked in 15', 20', 25' and 30' lengths in a dark bronze finish. Includes pole, pole cap, base plate cover, and hand-hole cover.

### CONSTRUCTION

- High grade steel exceeds ASTM A500 Grade C with minimum yield strength of 50,000 PSI
- Base plates constructed of high strength ASTM A36 steel with 36,000 PSI minimum yield strength
- Poles have a standard bronze polyester powder coat finish (custom finishes available, consult factory)
- Pre-drilled universal hole pattern on all four sides for flexible luminaire attachment (accommodates 2"-3" on-center hole patterns)

### INSTALLATION

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



### DIMENSIONAL SPECIFICATIONS

	Pole				Base Plate			Anchor Bolts		Approx Shipping Weight
Catalog Number	Nominal Height	Nominal Shaft Dimensions	Wall Thickness		Size	Thickness	Bolt Circle	Size	Projection	
			GA	Inches						
KT-SP-4SQ-15-11G-UNV	15 ft.	4" Square	11	.119"	8" Square	.75"	8"- 9" Dia	.75" x 20" x 3"	3.5"	137 lbs
KT-SP-4SQ-20-11G-UNV	20 ft.	4" Square	11	.119"	8" Square	.75"	8"- 9" Dia	.75" x 20" x 3"	3.5"	169 lbs
KT-SP-4SQ-25-11G-UNV	25 ft.	4" Square	11	.119"	8" Square	.75"	8"- 9" Dia	.75" x 20" x 3"	3.5"	202 lbs
KT-SP-5SQ-30-7G-UNV	30 ft.	5" Square	7	.179"	11" Square	1"	10"- 12" Dia	1" x 36" x 4"	4.0"	398 lbs

### ACCESSORIES

Catalog Number	Description
KT-ABOLT-4SQ-K1	Set of (4) Anchor bolts and hardware, .75" x 20" x 3". Available to ship separately (Identical to what is included with each pole kit)
KT-ABOLT-5SQ-K1	Set of (4) Anchor bolts and hardware, .1" x 36" x 4". Available to ship separately (Identical to what is included with each pole kit)

Approval Initials: \_\_\_\_\_

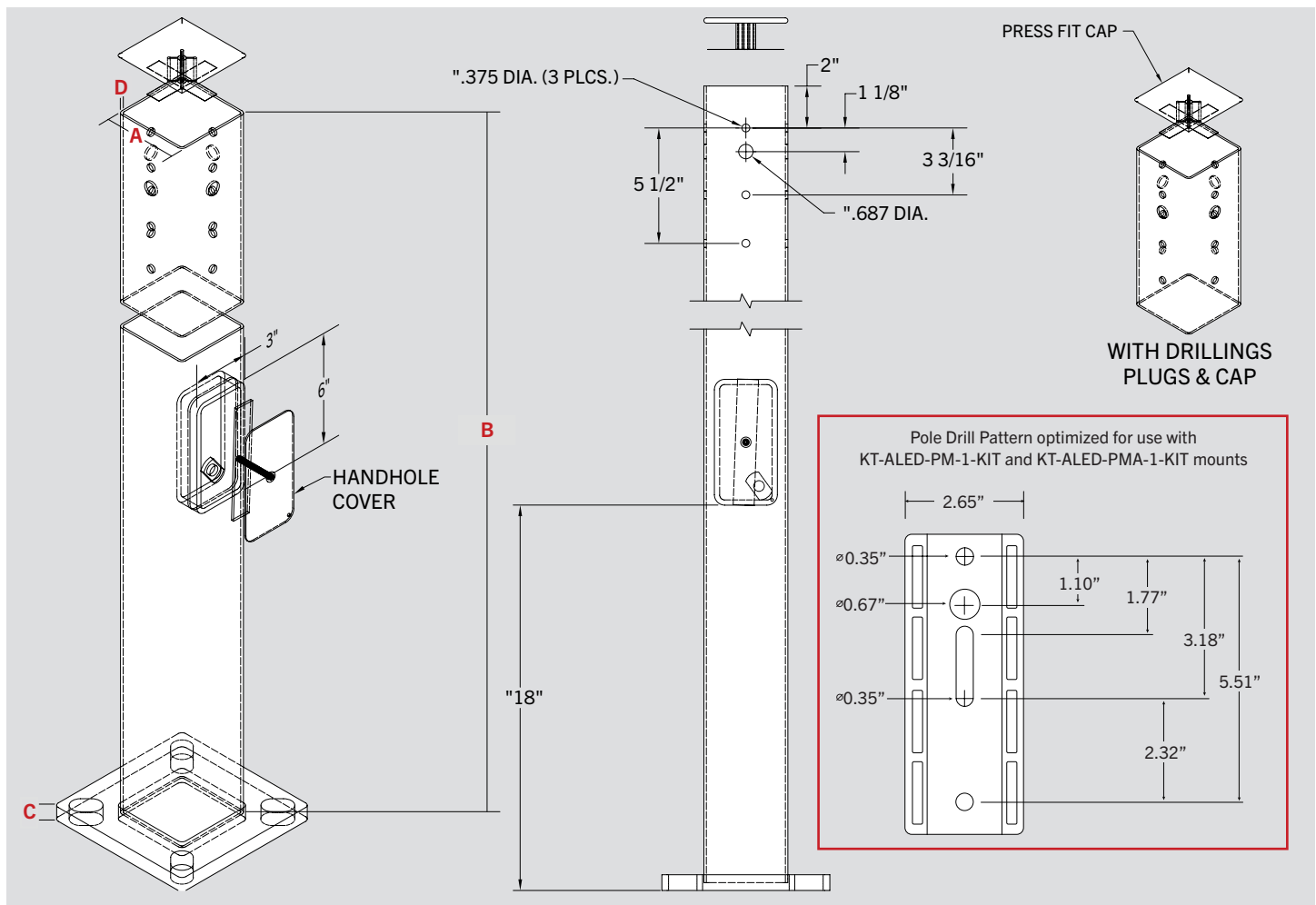
# KT-SP-XSQ-XX-XXG-UNV

## SQUARE STRAIGHT STEEL POLE

### INCLUDED ACCESSORIES

BASE PLATE COVER	POLE CAP (Black)	HAND HOLE COVER	PLUGS (16 total)
			

### PHYSICAL SPECIFICATIONS



### DIMENSIONS

A	B	C	D
Pole Size	Height	Base Thickness	Wall Thickness
4" square	15-25'	.75"	0.119
5" square	30'	1"	0.179

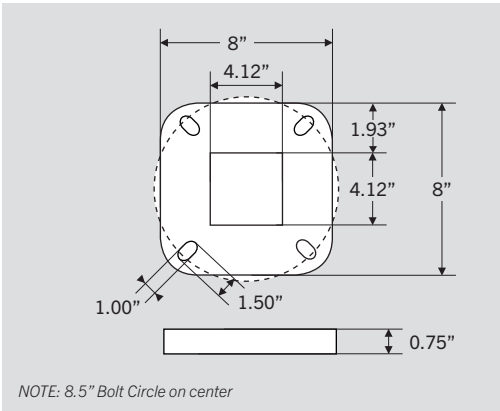
Approval Initials: \_\_\_\_\_

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## SQUARE STRAIGHT STEEL POLE

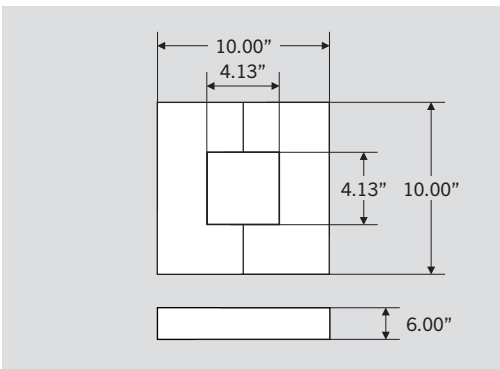
### 4" X 4" POLE SHAFT DIMENSIONS

#### BASE PLATE

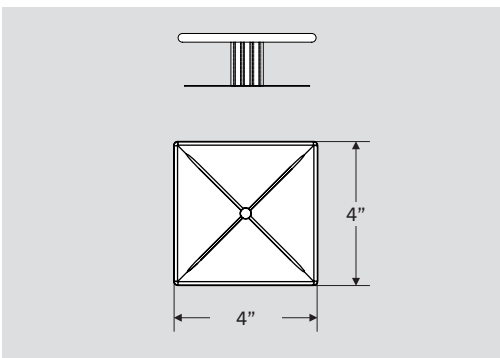


#### BASE PLATE COVER

(INCLUDED; PACKAGED SEPARATELY)

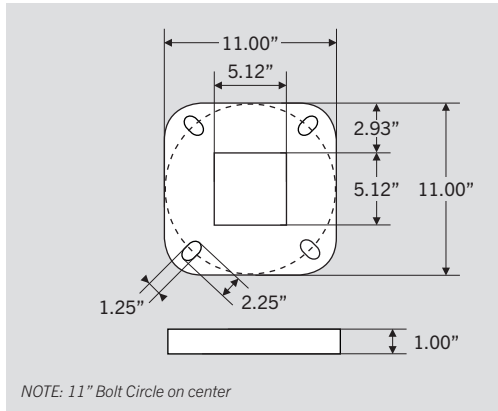


#### POLE CAP (INCLUDED)



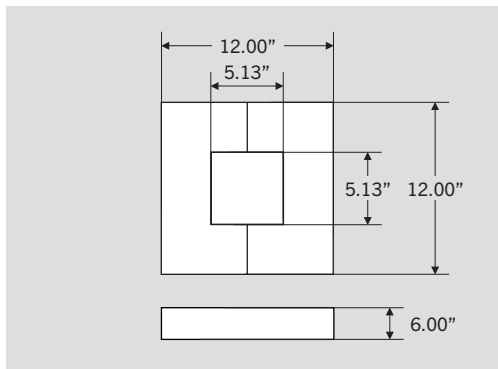
### 5" X 5" POLE SHAFT DIMENSIONS

#### BASE PLATE

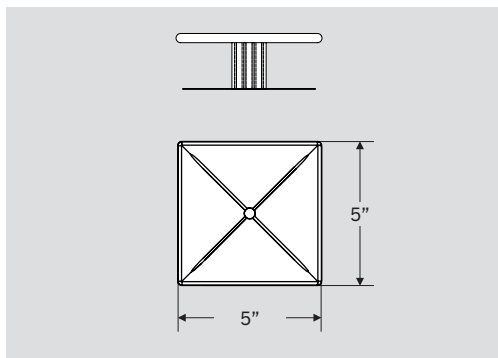


#### BASE PLATE COVER

(INCLUDED; PACKAGED SEPARATELY)



#### POLE CAP (INCLUDED)

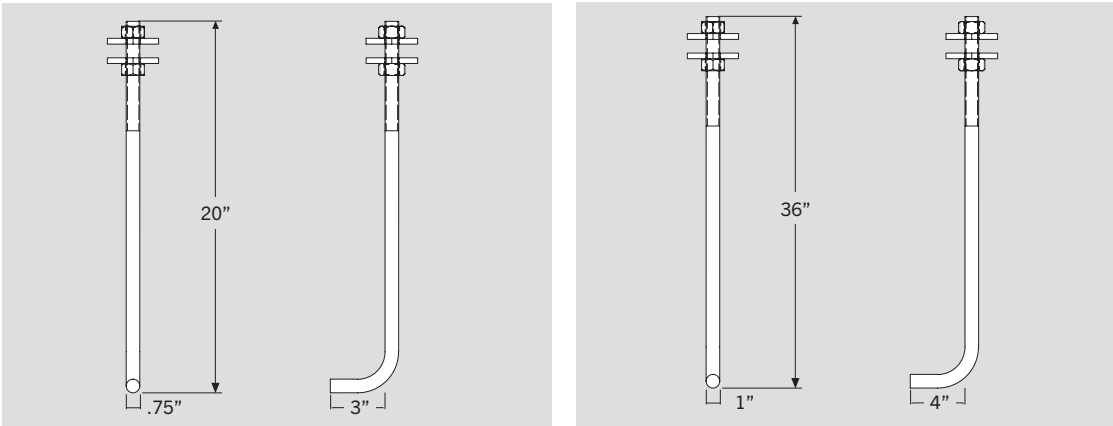


Approval Initials: \_\_\_\_\_

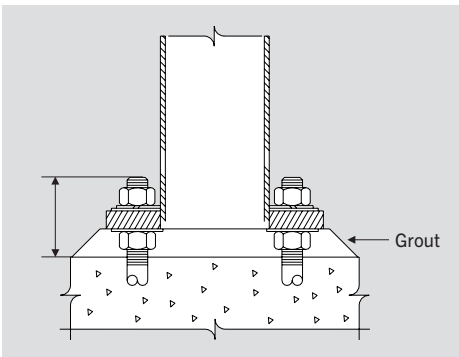
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## SQUARE STRAIGHT STEEL POLE

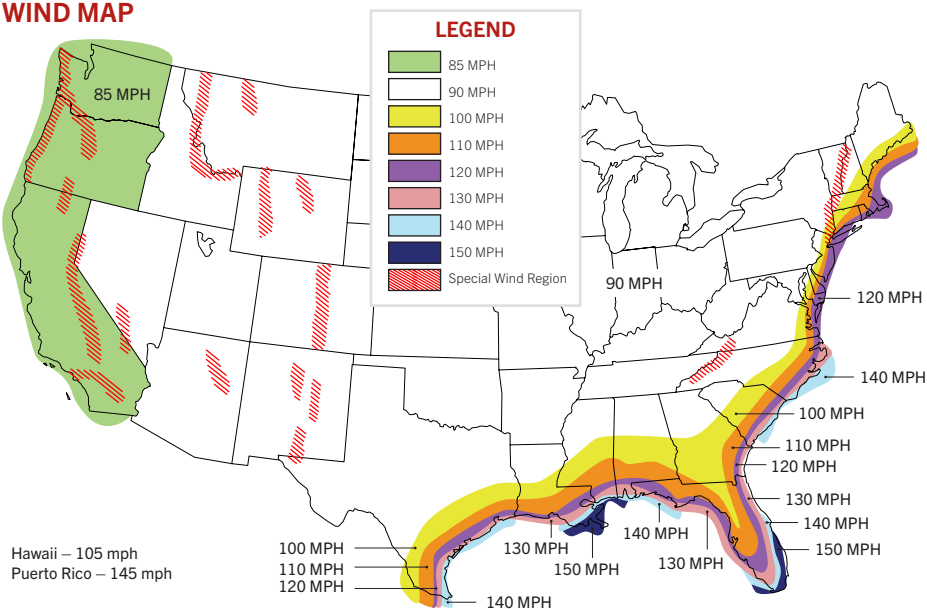
### ANCHOR BOLTS



### BOLT PROJECTION



### WIND MAP



### NOTES:

1. Values are 3-second gust wind speeds in miles per hour (m/s) at 33 ft. (10 m) above ground for Exposure C terrain.
2. Linear interpolation between wind contours is permitted.
3. Islands and coastal areas outside last contour must use the last wind speed contour of the coastal area.
4. Mountain terrain, gorges, ocean promontories, and special wind regions must be examined for unusual wind conditions.

Approval Initials: \_\_\_\_\_



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## SQUARE STRAIGHT STEEL POLE

### DESIGN WIND SPEED (PER AASHTO LTS-13)

Catalog Number	80 MPH		90 MPH		100 MPH	
	w/1.3 Gust Factor		w/1.3 Gust Factor		w/1.3 Gust Factor	
	Max EPA (sq/ft)	Max Loading Weight	Max EPA (sq/ft)	Max Loading Weight	Max EPA (sq/ft)	Max Loading Weight
KT-SP-4SQ-15-11G-UNV	22.9	572.5	17.1	427.5	13	325
KT-SP-4SQ-20-11G-UNV	13.2	330	9.2	230	6.4	160
KT-SP-4SQ-25-11G-UNV	7.8	195	4.3	107.5	2.3	58
KT-SP-5SQ-30-7G-UNV	10.3	258	6.5	163	3.8	95

### WARNING

- 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.
- 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. Keystone Technologies 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.

### ORDERING INFORMATION

ORDER CODE	PACK QUANTITY	EASY CODE	UPC
KT-SP-4SQ-15-11G-UNV	1	NPU-20	843654155715
KT-SP-4SQ-20-11G-UNV	1	HAD-28	843654155722
KT-SP-4SQ-25-11G-UNV	1	QXW-50	843654155739
KT-SP-5SQ-30-7G-UNV	1	BSE-94	843654155746

### CATALOG NUMBER BREAKDOWN

# KT-SP-XSQ-XX-XXG-UNV

1 2 3 4 5 6 7

- 1 Keystone Technologies
- 2 Steel Pole
- 3 Size
- 4 Square Shape
- 5 Height
- 6 Wall Thickness
- 7 Drill Pattern: Universal Style

Approval Initials: \_\_\_\_\_



# KT-SP-XSQ-XX-XXG-UNV

## SQUARE STRAIGHT STEEL POLE

### PROJECT SUBMISSION AND APPROVAL SECTION

PROJECT NAME		
ESTIMATED START DATE		
KEYSTONE POLES	Quantity	Catalog Number
		KT-SP-4SQ-15-11G-UNV
		KT-SP-4SQ-20-11G-UNV
		KT-SP-4SQ-25-11G-UNV
		KT-SP-5SQ-30-7G-UNV
ADDITIONAL NOTES		

With regards to the project referenced, the below parties hereby confirm that the product as presented on this spec sheet document is suitable for use on the project listed. Please initial the first 5 pages of the spec sheet and sign all sections below (minimum of one party signature needed per project for all 4 sections below.) Please send signed copy along with PO.

### APPROVALS

INITIAL PAGES (1-5)	Electrical Distributor		Project Specifier		Engineering or other AHJ	
	Name		Name		Name	
	Signature		Signature		Signature	
	Date		Date		Date	
POLE DIMENSIONS & CONSTRUCTION	Electrical Distributor		Project Specifier		Engineering or other AHJ	
	Name		Name		Name	
	Signature		Signature		Signature	
	Date		Date		Date	
BASE PLATE & ANCHOR BOLT DETAILS	Electrical Distributor		Project Specifier		Engineering or other AHJ	
	Name		Name		Name	
	Signature		Signature		Signature	
	Date		Date		Date	
EPA CALCULATIONS (POLE WITH FIXTURE LOADING)	Electrical Distributor		Project Specifier		Engineering or other AHJ	
	Name		Name		Name	
	Signature		Signature		Signature	
	Date		Date		Date	