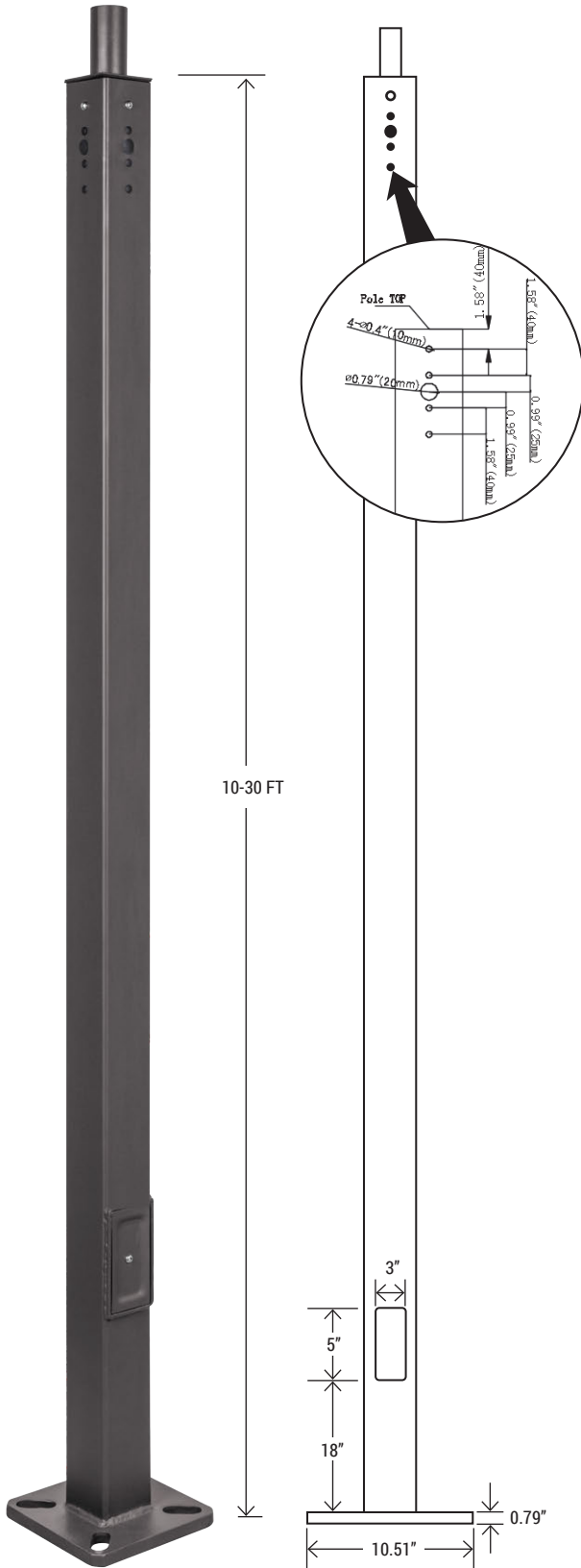


Straight Square Steel Poles

Size: 4" (4" x 4"), 5" (5" x 5")



The WSD LED INC Series Straight Square Steel poles are built from high strength steel tube and are available side drilled for arm mounted area lighting luminaires or with tenon mounts for flood and post top luminaires. Typical area lighting applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 10 to 30 feet can be used based on selected luminaire application.

(ACCESSORIES NEED TO BE PURCHASED SEPARATELY)

FEATURES

FINISH:

Textured architectural bronze powder-coat finish, baked to ensure maximum paint adhesion, hardness and durability.

ANCHOR BOLTS:

Anchor bolts are not included, sized based on pole data charts for the selected pole size.

HAND HOLE:

Cast iron reinforced hand hole and cover with ground screw.

BASE COVER:

Poles are provided with a two-piece formed steel base cover that is easily assembled and fitted over pole base.

POLE LENGTH:

Poles are available in standard lengths as shown in the order matrix. Poles can be custom cut to order. Consult factory.

SURFACE TREATMENT: Hot-dip galvanizing.

SPECIFICATIONS: Conforms to ASTM-A 500 Grade B: Minimum Yield Strength of 46,000 PSI.

SPECIFICATION	10FT	15FT	20FT	25FT	30FT
#51700					
#51701					
#51704	L = 3.0 (m)	L = 4.6 (m)	L = 6.1 (m)	L = 7.6 (m)	L = 9.1 (m)
#51705					
#51706					

MOUNTING OPTIONS



SIDE MOUNT: Standard length poles are predrilled holes on 4 side, with a Tenon standard packaged on top. Also with hole plugs for unused predrilled locations.

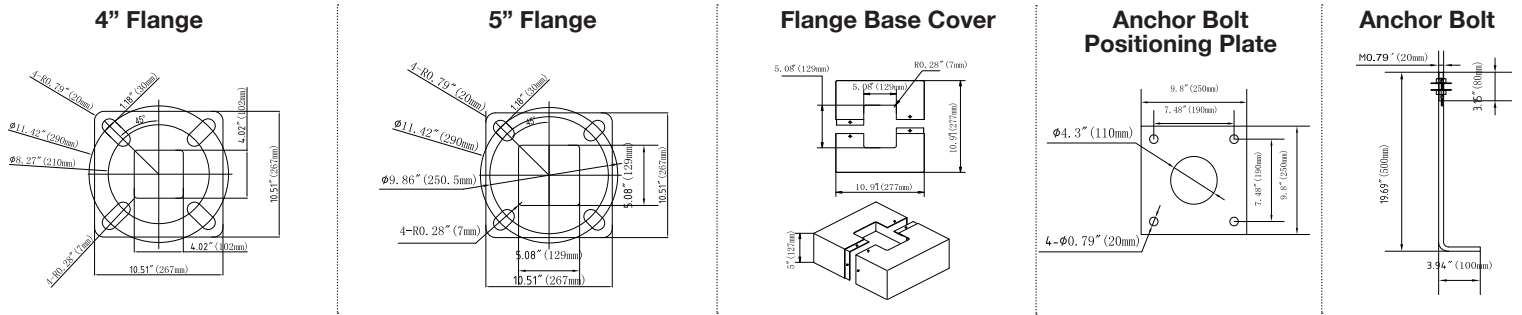
Note: When using Arm or Slip-Fitter Mounts, additional installation parts may be required to ensure proper installation. (example: with Slip-fitter a bullhorn will be the option) [see: additional installation parts for more options](#)

TOP MOUNT: Installing ARM (optional) will need to take-off the Tenon standard package and put rain cover on top.

Straight Square Steel Poles

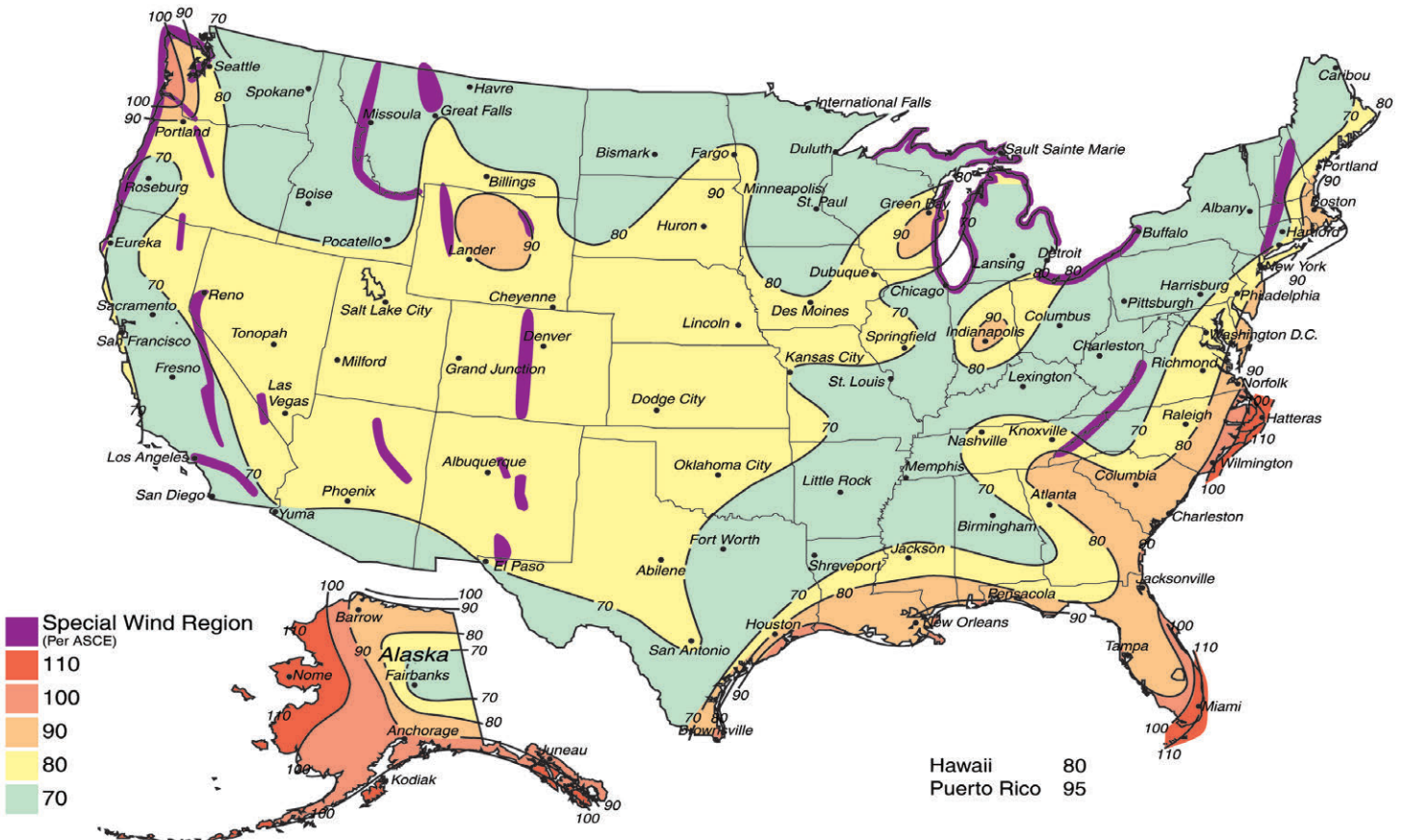
Size: 4" (4" x 4"), 5" (5" x 5")

DIMENSION



DIMENSION DATA

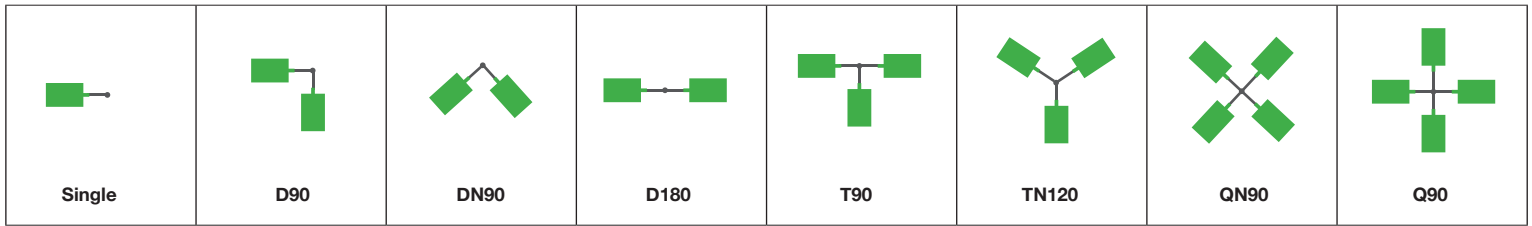
CATALOG	HEIGHT	GAUGE	SIZE	BASE	BOLT CIRCLE	BOLT SIZE	WEIGHT (LBS)	EPA 70	EPA 80	EPA 90	EPA 100	EPA 110	EPA 120
#51700	10ft	11	4"x4"	11"	8.27"-11.42"	M0.79"x19.69"x3.94"	101	25.2	23.5	20.3	19.4	17.3	15.6
#51701	15ft						134	15.2	13.5	11.1	9.5	7.9	6.8
#51704	20ft						169	10.2	9.3	7.5	6.2	4.2	3.6
#51705	25ft						190	8.9	6.9	5.7	4.1	3.6	2.2
#51706	30ft		5"x5"	9.86"-11.42"	M0.79"x19.69"x3.94"/ M0.95"x36"x4"	286	9.6	7.4	6.1	5.8	4.6	3.8	



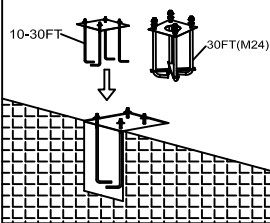
Straight Square Steel Poles

Size: 4" (4" x 4"), 5" (5" x 5")

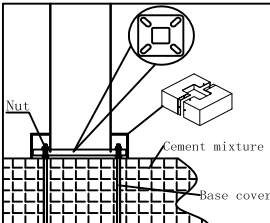
FIXTURE CONFIGURATIONS



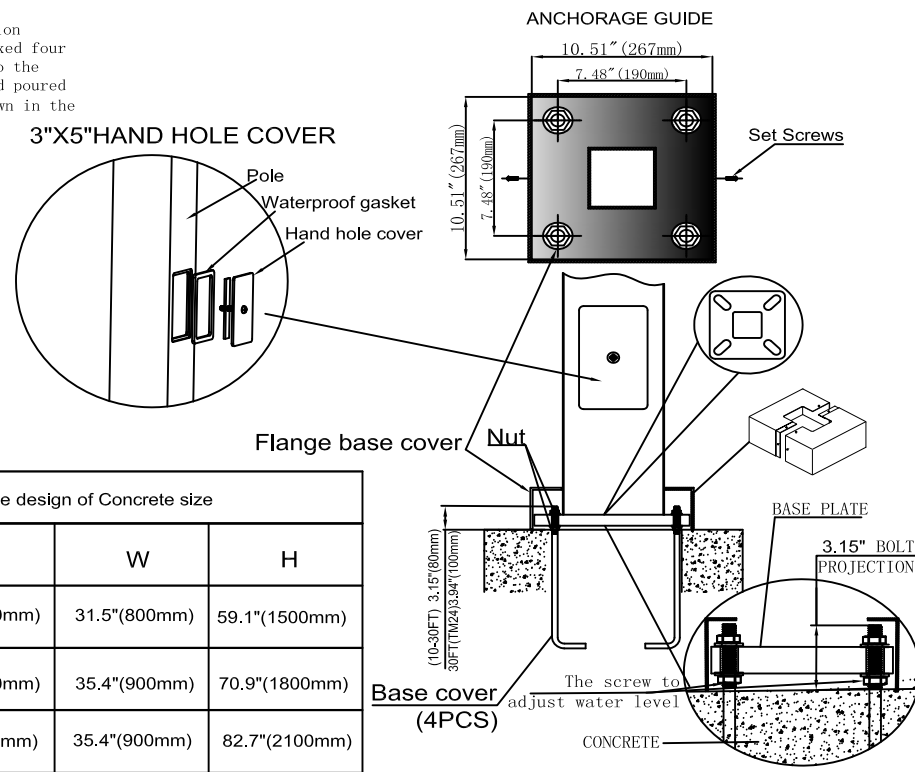
INSTALLATION



1. Dig a hole in the installation position of the lamp pole. Fixed four fastener fittings according to the hole position of lamp pole and poured with cement concrete. (as shown in the figure)



2. Install 4 screws onto the stick and adjust to same water level, then place the square plate and screw tightly. Install the cover at the bottom of pole. (as shown in the figure)



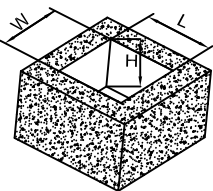
ANCHORAGE GUIDE

10.51" (267mm)
7.48" (190mm)
10.51" (267mm)
7.48" (190mm)

Labels: Pole, Waterproof gasket, Hand hole cover, Flange base cover, Nut, BASE PLATE, 3.15" BOLT PROJECTION, CONCRETE, Set Screws, Base cover (4PCS)

The screw to adjust water level

Foundation reference specification

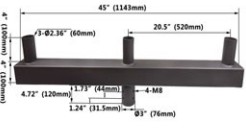
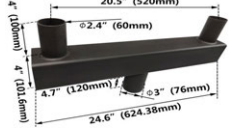
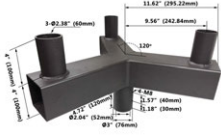
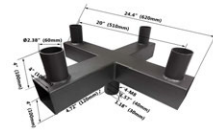
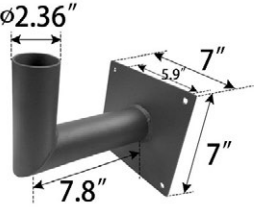
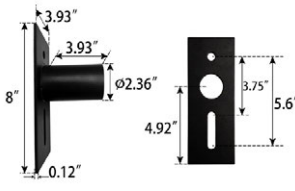
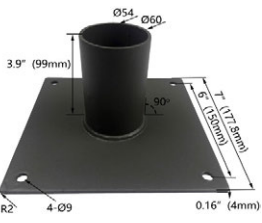
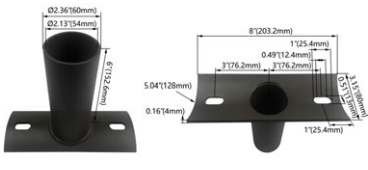
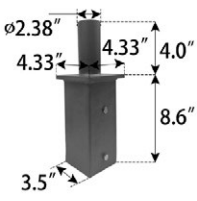
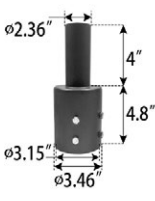
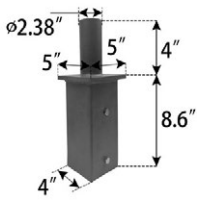
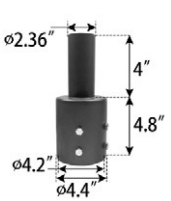



Reference design of Concrete size			
Specifications	L	W	H
10-15FT	31.5"(800mm)	31.5"(800mm)	59.1"(1500mm)
20-25FT	35.4"(900mm)	35.4"(900mm)	70.9"(1800mm)
30FT	35.4"(900mm)	35.4"(900mm)	82.7"(2100mm)

Foundation Design: We offer Foundation design references due to variations in soil structure across different areas, and we do not assume any responsibility for this variability.

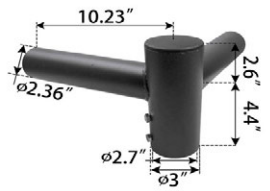
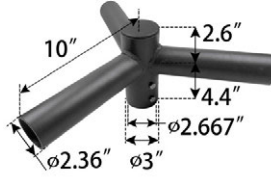
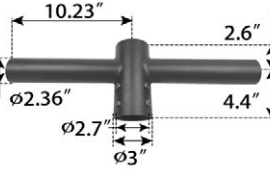
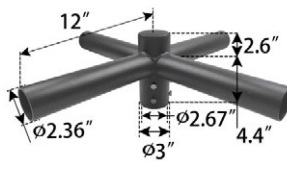

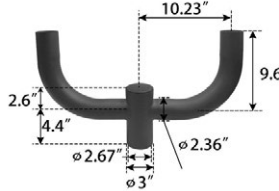
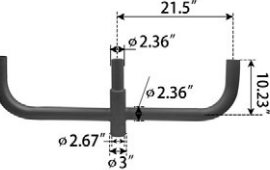
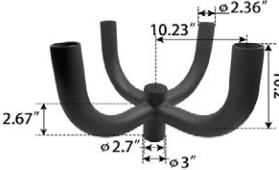
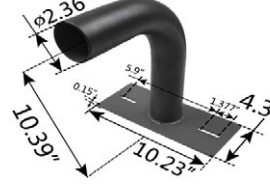


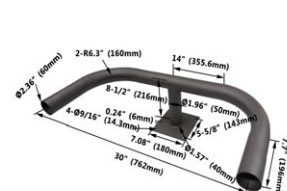
Straight Square Steel Poles

Size: 4" (4" x 4"), 5" (5" x 5")

SQUARE EXTERNAL MOUNT HORIZONTAL TENON		• To mount 2/3/4 fixtures on an existing pole	
 <p>45" (1143mm) 20.5" (520mm) Ø2.38" (60mm) 4.72" (120mm) 1.24" (31.5mm) Ø1.75" (44mm) Ø1.75" (44mm) Ø1.75" (44mm)</p>	<p>Low Profile Bullhorn with 3 Tenons MAX EPA: 1.6 Finish: Dark Bronze The Bracket is designed to mount over 2-3/8" O.D. vertical tenon.</p>	 <p>20.5" (520mm) Ø2.4" (60mm) 4.7" (120mm) 24.6" (624.38mm) Ø3" (76mm)</p>	<p>Low Profile Bullhorn with 2 Tenons MAX EPA: 1.0 Finish: Dark Bronze The Bracket is designed to mount over 2-3/8" O.D. vertical tenon.</p>
 <p>13.62" (345.22mm) 9.56" (243.84mm) 120° 3-Ø2.38" (60mm) Ø1.75" (44mm) Ø1.75" (44mm) Ø1.75" (44mm) Ø1.75" (44mm) Ø1.75" (44mm) Ø1.75" (44mm)</p>	<p>Triple 120° Horizontal Tenon Adapter MAX EPA: 1.4 Finish: Dark Bronze The Bracket is designed to mount over 2-3/8" O.D. vertical tenon.</p>	 <p>24.6" (624.38mm) 24.6" (624.38mm) 24.6" (624.38mm) 24.6" (624.38mm) Ø2.4" (60mm) Ø2.4" (60mm) Ø2.4" (60mm) Ø2.4" (60mm)</p>	<p>Quad 90° Horizontal Tenon Adapter MAX EPA: 1.6 Finish: Dark Bronze The Bracket is designed to mount over 2-3/8" O.D. vertical tenon.</p>
WALL BRACKET • Attaches to any flat surface • Provides wiring access		MID-POLE TENON BRACKET	
 <p>Ø2.36" 7.8" 7" 5.9" 7"</p>	<p>90° Wall Mount Bracket with 2-3/8" O.D. Tenon MAX EPA: 0.6 Finish: Dark Bronze The 90° wall mount bracket with 2-3/8" tenon attaches flood and area fixtures to almost any surface: wall, roof, or wood pole. Provides wiring access and a built-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slip-fitter. Suggested 3/8" diameter bolts for mounting.</p>	 <p>3.93" 8" 0.12" 3.93" Ø2.36" 4.92" 3.75" 5.6"</p>	<p>2-3/8" OD Horizontal Tenon Mid-Pole Bracket MAX EPA: 0.3 Finish: Dark Bronze 2-3/8" OD Horizontal Tenon Mid-Pole Bracket is designed to mount light fixture that is equipped with an adjustable slip-fitter onto a 2-3/8" OD horizontal tenon.</p>
 <p>Ø54 Ø60 3.9" (99mm) R2 4-Ø9 0.16" (4mm) 7" (177.8mm) 90°</p>	<p>180° Wall Mount Bracket with 2-3/8" O.D. Tenon MAX EPA: 0.5 Finish: Dark Bronze The 180° wall mount bracket with 2-3/8" tenon attaches flood and area fixtures to almost any surface: wall, roof, or wood pole. Provides wiring access and a built-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slip-fitter. Suggested 3/8" diameter bolts for mounting.</p>	 <p>Ø2.36(60mm) Ø2.1315(4mm) Ø3.38" 5.04(128mm) 0.16(4mm) 8" (203.2mm) 1.125(4mm) 0.49112(4mm) 3.176(2mm) 3.176(2mm) 1.125(4mm) Ø1.515(4mm)</p>	<p>2-3/8" OD Horizontal Tenon Arc Adapter MAX EPA: 0.3 Finish: Dark Bronze For use with Round, non-tapered steel and aluminum poles. 2-3/8" OD Horizontal Tenon Mid-Pole Bracket is designed to mount light fixture that is equipped with an adjustable slip-fitter onto a 2-3/8" OD horizontal tenon.</p>
POLE BRACKET • For mounting one fixture on an existing pole			
 <p>Ø2.38" 4.33" 4.0" 8.6" 3.5"</p>	<p>4" Square Pole Mount with 2-3/8" O.D. Tenon MAX EPA: 0.3 Finish: Dark Bronze For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D. and is made of steel tubing.</p>	 <p>Ø2.36" 4" 4.8" Ø3.15" Ø3.46"</p>	<p>3" Round Pole Mount with 2-3/8" O.D. Tenon MAX EPA: 0.3 Finish: Dark Bronze For use with round, non-tapered steel and aluminum poles. Furnished with four 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D.</p>
 <p>Ø2.38" 5" 5" 4" 8.6" 4"</p>	<p>5" Square Pole Mount with 2-3/8" O.D. Tenon MAX EPA: 0.3 Finish: Dark Bronze For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing.</p>	 <p>Ø2.36" 4" 4.8" Ø4.2" Ø4.4"</p>	<p>4" Round Pole Mount with 2-3/8" O.D. Tenon MAX EPA: 0.3 Finish: Dark Bronze For use with round, non-tapered steel and aluminum poles. Furnished with four 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D.</p>
 <p>Ø2.36" Ø2.13" 4-M8 Ø5.2" Ø5.51" 4.01" 7.88" 11.89" 3.33" 1.97"</p>	<p>5" Round Pole Mount with 2-3/8" O.D. Tenon MAX EPA: 0.3 Finish: Dark Bronze For use with round, non-tapered steel and aluminum poles. Furnished with four 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing.</p>		

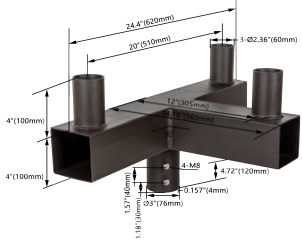
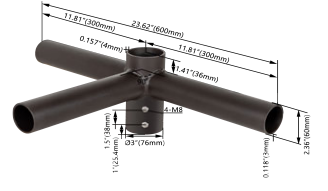
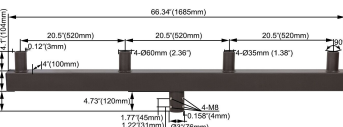
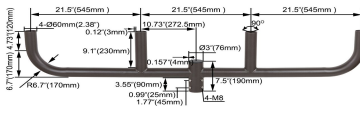
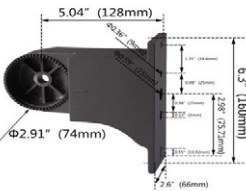
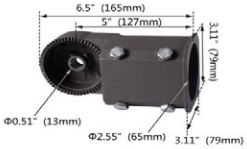
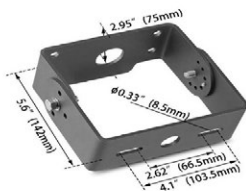
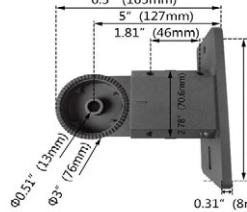
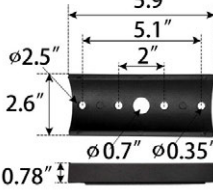

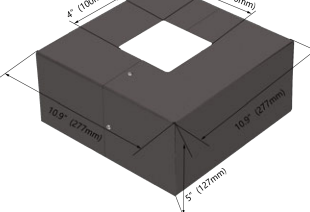
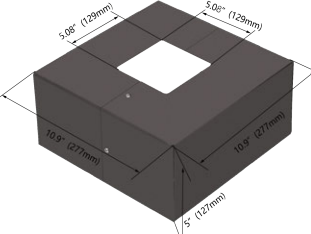
Straight Square Steel Poles

Size: 4" (4" x 4"), 5" (5" x 5")

ROUND EXTERNAL MOUNT HORIZONTAL TENON - To mount 2/3/4 fixtures on an existing pole			
	<p>Double 90° Horizontal Tenon Adapter MAX EPA: 0.6 Finish: Dark Bronze The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>		<p>Triple 120° Horizontal Tenon Adapter MAX EPA: 0.7 Finish: Dark Bronze The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>
	<p>Double 180° Horizontal Tenon Adapter MAX EPA: 0.4 Finish: Dark Bronze The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>		<p>Quad 90° Horizontal Tenon Adapter MAX EPA: 0.3 Finish: Dark Bronze The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>
	<p>Single Spoke Bracket Tenon Adapter MAX EPA: 0.4 Finish: Dark Bronze The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. One fixture can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>		<p>180° Double Bullhorn MAX EPA: 0.9 Finish: Dark Bronze The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>
	<p>180° Triple Bullhorn MAX EPA: 1.4 Finish: Dark Bronze The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>		<p>90° Quad Bullhorn MAX EPA: 1.5 Finish: Dark Bronze The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>
	<p>90° Wall Mount Bracket with 2-3/8" O.D. Tenon MAX EPA: 0.7 Finish: Dark Bronze The 90° wall mount bracket with 2-3/8" tenon attaches flood and area fixtures to almost any surface: wall, roof, or wood pole. Provides wiring access and a built-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slip-fitter. Suggested 3/8" diameter bolts for mounting. Mounting holes are spaced 3-1/4" apart.</p>		<p>Double 180° Horizontal Tenon Adapter MAX EPA: 1.0 Finish: Dark Bronze The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>
	<p>Triple 120° Horizontal Tenon Adapter MAX EPA: 1.5 Finish: Dark Bronze The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>		<p>Double 180° Wall Mount Bracket with 2-3/8" O.D. Tenon MAX EPA: 1.4 Finish: Dark Bronze The 180° wall mount bracket with 2-3/8" tenon attaches flood and area fixtures to almost any surface: wall, roof, or wood pole. Provides wiring access and a built-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slip-fitter. Suggested 3/8" diameter bolts for mounting. Mounting holes are spaced 3-1/4" apart.</p>

Straight Square Steel Poles

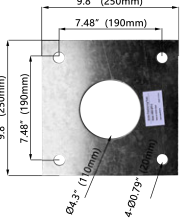
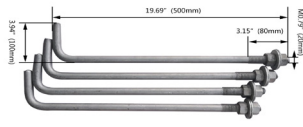
Size: 4" (4" x 4"), 5" (5" x 5")

 <p>Technical drawing of a square triple 90-degree horizontal tenon adapter. Dimensions include a total length of 24" (609mm), a mounting hole diameter of 4" (100mm), and a tenon diameter of 1.5" (38mm).</p>	<p>Square Triple 90° Horizontal Tenon Adapter MAX EPA: 1.5 Finish: Dark Bronze The Bracket is designed to mount over 2-3/8" O.D. vertical tenon.</p>	 <p>Technical drawing of a round triple 90-degree horizontal tenon adapter. Dimensions include a total length of 11.81" (300mm) and a tenon diameter of 2.38" (60mm).</p>	<p>Round Triple 90° Horizontal Tenon Adapter MAX EPA: 0.3 Finish: Dark Bronze The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Triple fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>
 <p>Technical drawing of a low profile bullhorn with 4 tenons. Dimensions include a total length of 66.34" (1685mm) and a mounting hole diameter of 2.38" (60mm).</p>	<p>Low Profile Bullhorn with 4 Tenons MAX EPA: 1.7 Finish: Dark Bronze The Bracket is designed to mount over 2-3/8" O.D. vertical tenon.</p>	 <p>Technical drawing of a four 180-degree horizontal tenon adapter. Dimensions include a total length of 21.5" (545mm) and a mounting hole diameter of 2.38" (60mm).</p>	<p>Four 180° Horizontal Tenon Adapter MAX EPA: 1.4 Finish: Dark Bronze The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>
<p>MOUNTING OPTIONS:</p>			
 <p>Technical drawing of a straight arm - universal. Dimensions include a length of 5.04" (128mm) and a mounting hole diameter of 2.91" (74mm).</p>	<p>Straight Arm - Universal Finish: Dark Bronze Arm Mount 4" and 5" Square and Round poles. Standard versatile mounting arm is simple to install and can be used with existing poles for retro installations.</p>	 <p>Technical drawing of a slip-fitter. Dimensions include a length of 6.5" (165mm) and a mounting hole diameter of 2.55" (65mm).</p>	<p>Slip-Fitter Finish: Dark Bronze Slipfitter Mount An optional cast aluminum mast arm adapter secures fixture head to nominal 2" (2-3/8" O.D. pipe size) horizontal steel tenon arm.</p>
 <p>Technical drawing of a trunion mount. Dimensions include a length of 5.5" (140mm) and a mounting hole diameter of 2.95" (75mm).</p>	<p>Trunion Mount Finish: Dark Bronze Easy to install for direct wall mounting with 1/2" conduit wiring.</p>	 <p>Technical drawing of a straight arm. Dimensions include a length of 6.5" (165mm) and a mounting hole diameter of 2.55" (65mm).</p>	<p>Straight Arm Finish: Dark Bronze An optional cast aluminum mast arm adapter secures fixture head to nominal 2" (2-3/8" O.D. pipe size) horizontal steel tenon arm.</p>
 <p>Technical drawing of an arm square tube turn tube tenon adapter. Dimensions include a length of 5.9" and a mounting hole diameter of 2.5" (63.5mm).</p>	<p>Arm Square Tube Turn Tube Tenon Adapter Finish: Dark Bronze Round tube light bar installation, with Arm installation of lamps.</p>	 <p>Technical drawing of an arm square tube turn tube tenon adapter. Dimensions include a length of 5.6" and a mounting hole diameter of 2.6" (66mm).</p>	<p>Arm Square Tube Turn Tube Tenon Adapter Finish: Dark Bronze Round tube light bar installation, with Arm installation of lamps.</p>
 <p>Technical drawing of a 4-inch install base shield. Dimensions include a side length of 4" (100mm) and a depth of 5" (127mm).</p>	<p>Install Base Shield Finish: Dark Bronze The 4" Installation of base shield is used to protect the base after fixing the lamp pole, so that the lamp pole base is not damaged, thereby increasing the service life of the lamp pole.</p>	 <p>Technical drawing of a 5-inch install base shield. Dimensions include a side length of 5.08" (129mm) and a depth of 5" (127mm).</p>	<p>Install Base Shield Finish: Dark Bronze The 5" Installation of base shield is used to protect the base after fixing the lamp pole, so that the lamp pole base is not damaged, thereby increasing the service life of the lamp pole.</p>

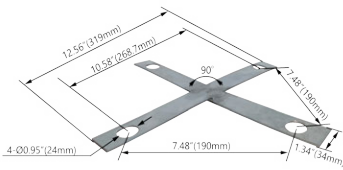
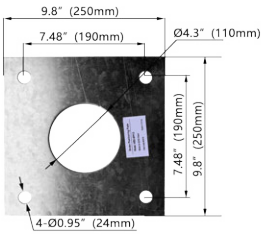
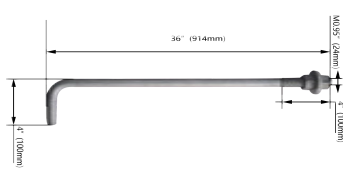
Straight Square Steel Poles

Size: 4" (4" x 4"), 5" (5" x 5")

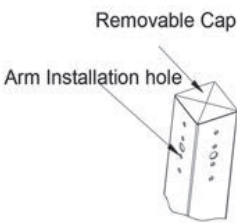
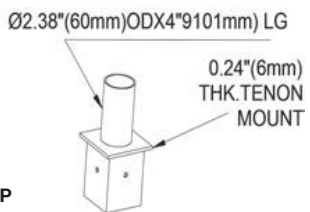
MOUNTING OPTIONS:

	<p>Anchor Bolt Positioning Plate This is a screw rod positioning plate. After the screw rod of the lamp rod base is fixed underground, the positioning plate is fixed with the screw rod to prevent the screw rod from deviation. Finally, the lamp rod is locked.</p>		<p>Anchor Bolt Before installing the lamp pole, the installation hook should be buried underground and fixed by cement. After fixing, the lamp pole should be fixed by locking screw and base installed.</p>
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30FT Light Pole Optional Accessories:

 <p>Position Plate Bottom</p>	<p>Cross Screw Positioning Plate This is a screw bottom cross positioning plate. It is used in conjunction with the top positioning plate.</p>		<p>Anchor Bolt Positioning Plate This is a screw rod positioning plate. After the screw rod of the lamp rod base is fixed underground, the positioning plate is fixed with the screw rod to prevent the screw rod from deviation. Finally, the lamp rod is locked.</p>
	<p>Anchor Bolt Before installing the lamp pole, the installation hook should be buried underground and fixed by cement. After fixing, the lamp pole should be fixed by locking screw and base installed.</p>		

LIGHT POLE TOP

<p>PRE-DRILL MOUNT OPTIONS</p> 	<p>TENON MOUNT INCLUDED ON TOP</p> 
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