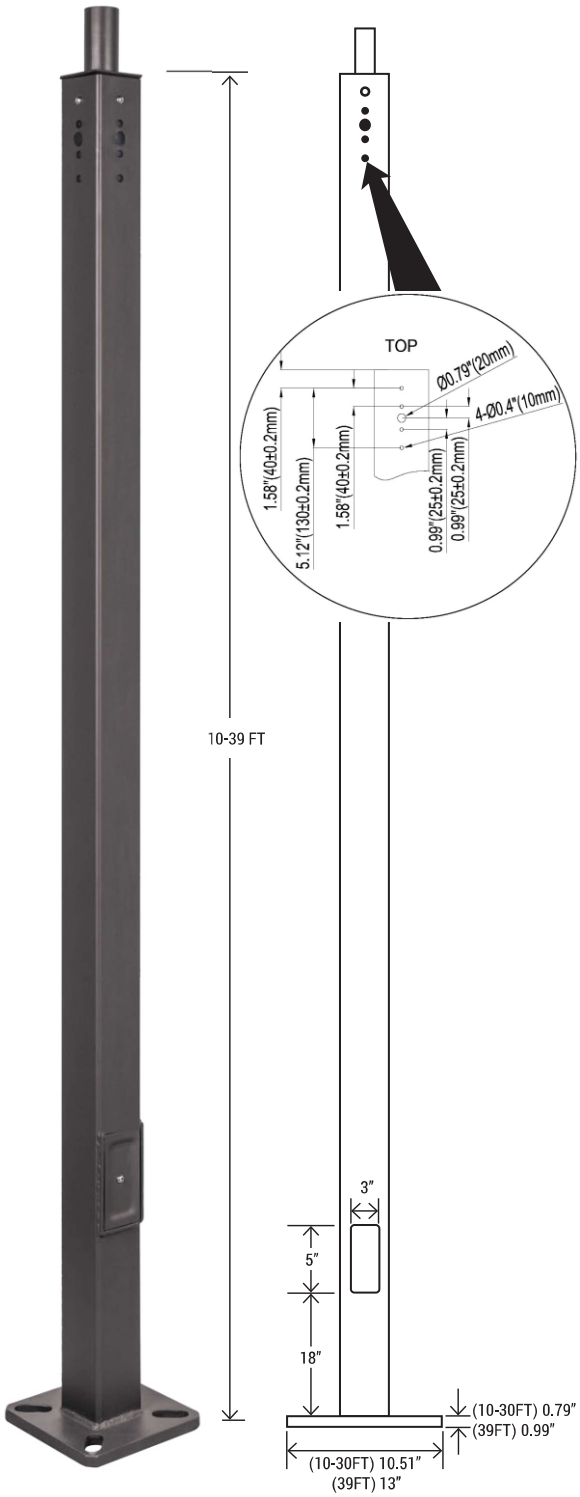
BRIGHTWAY LED Lighting

STRAIGHT SQUARE STEEL POLES - WSD Series

Size: 4” (4” x 4”), 5” (5” x 5”), 6” (6” x 6”)



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 39 feet can be used based on selected luminaire application.

(ACCESSORIES NEED TO 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. Their dimensions shall be selected from the pole data charts for the specified pole size.

HAND HOLE:
Cast iron reinforced hand hole and cover.

BASE COVER:
Base covers are not included. Their dimensions are determined from the pole data charts for the selected pole size.

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	39FT
WSD-10FT4-7G-D-T						
WSD-15FT4-7G-D-T						
WSD-20FT4-7G-D-T						
WSD-25FT4-7G-D-T	L = 3.0 (m)	L = 4.6 (m)	L = 6.1 (m)	L = 7.6 (m)	L = 9.1 (m)	L =11.8(m)
WSD-30FT5-7G-D-T						
WSD-39FT5-7G-D-T						
WSD-39FT6-7G-D-T						

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.

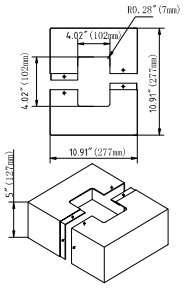
BRIGHTWAY LED Lighting

STRAIGHT SQUARE STEEL POLES - WSD Series

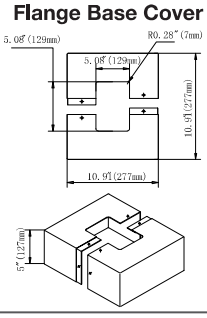
Size: 4” (4” x 4”), 5” (5” x 5”), 6” (6” x 6”)

DIMENSION

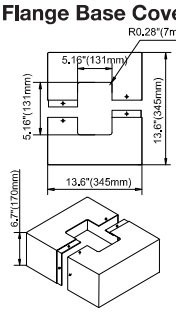
10-25FT
Flange Base Cover



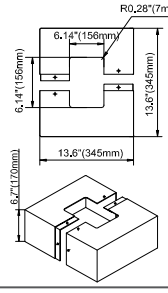
30FT
Flange Base Cover



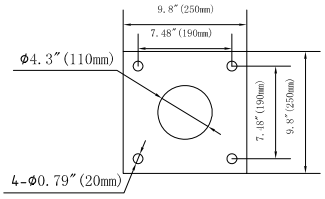
39FT
Flange Base Cover



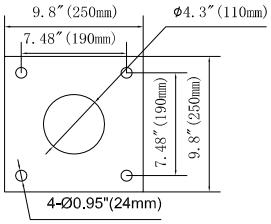
39FT
6”Flange Base Cover



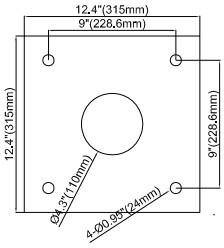
10-25FT
Anchor Bolt Positioning Plate



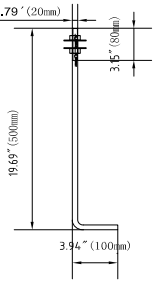
30FT
Anchor Bolt Positioning Plate



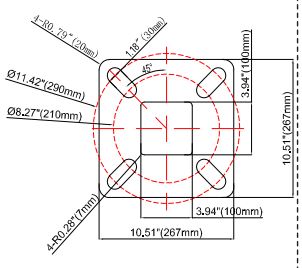
39FT
Anchor Bolt Positioning Plate



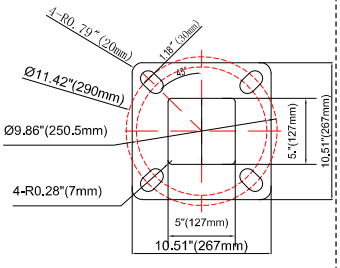
10-25FT
Anchor Bolt



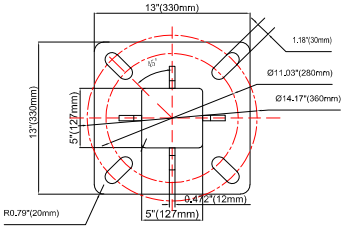
10-25FT
4” Flange



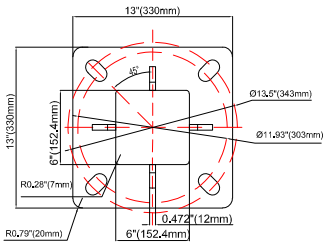
30FT
5” Flange



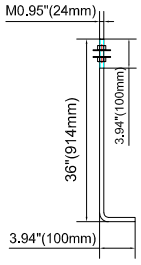
39FT
5” Flange



39FT
6” Flange



30-39FT
Anchor Bolt



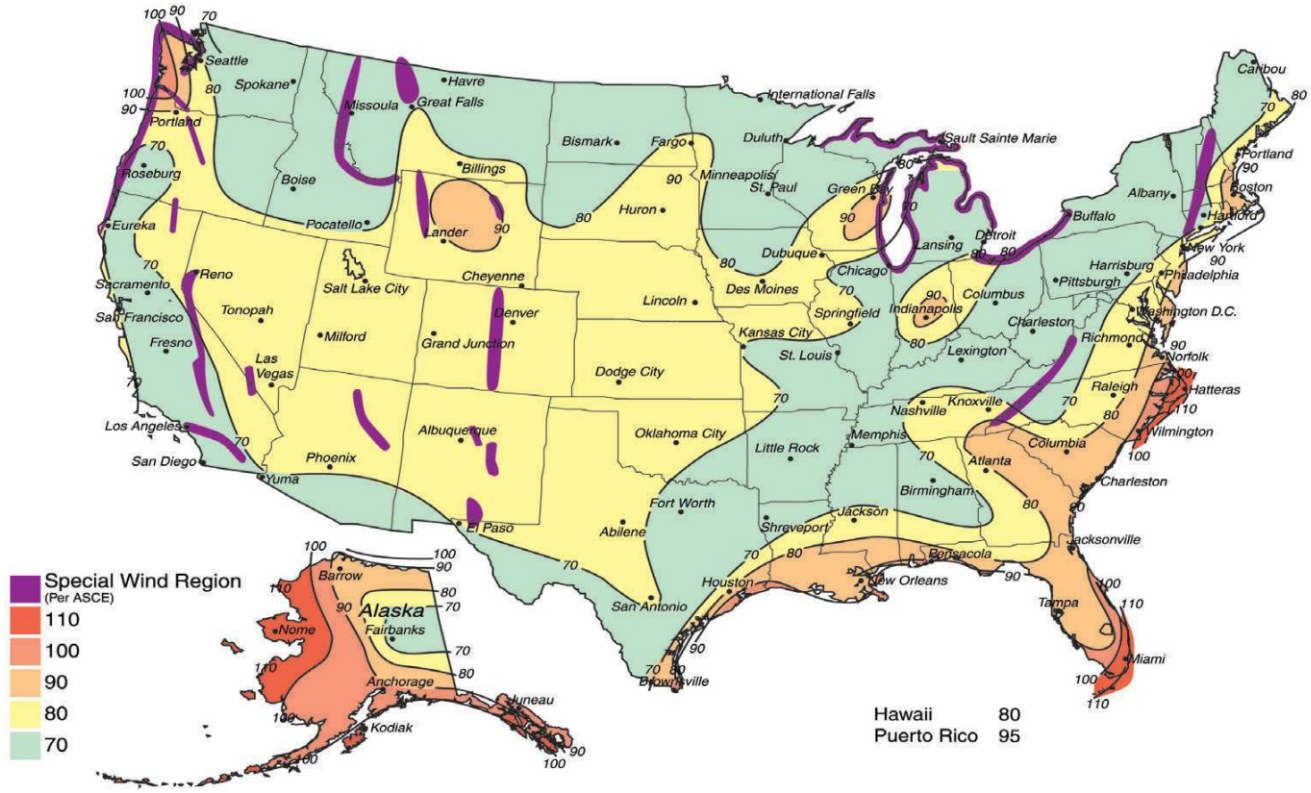
BRIGHTWAY LED Lighting

STRAIGHT SQUARE STEEL POLES - WSD Series

Size: 4” (4” x 4”), 5” (5” x 5”), 6” (6” x 6”)

DIMENSION DATA

CATALOG	HEIGHT	GAUGE	SIZE	BASE	BOLT CIRCLE	BOLT SIZE	WEIGHT (LBS)	EPA 90	EPA 100	EPA 110	EPA 120	EPA 130	EPA 140
WSD-10FT4-7G-D-T	10ft	7	4”x4”	11”	8.27”-11.42”	M0.79”x19.69”x3.94”	136	28.2	23.5	19.3	16.6	13.1	11.6
WSD-15FT4-7G-D-T	15ft						187	23.6	18.3	17.2	13.7	11.5	9.4
WSD-20FT4-7G-D-T	20ft						233	15.2	11.6	10.4	8.3	6.6	5.1
WSD-25FT4-7G-D-T	25ft						279	9.8	6.8	6.3	4.5	3.1	2.2
WSD-30FT5-7G-D-T	30ft		5”x5”		9.86”-11.42”	M0.95”x36”x4”	407	11.6	8.1	7.2	4.6	2.8	1.5
WSD-39FT5-7G-D-T	39ft			13”	11.03”-14.17”		495	10.9	7.8	6.6	3.7	2.0	1.2
WSD-39FT6-7G-D-T	39ft		6”x6”		11.93”-13.5”		585	11.7	9.5	8.2	5.9	3.8	2.0



BRIGHTWAY LED Lighting

STRAIGHT SQUARE STEEL POLES - WSD Series

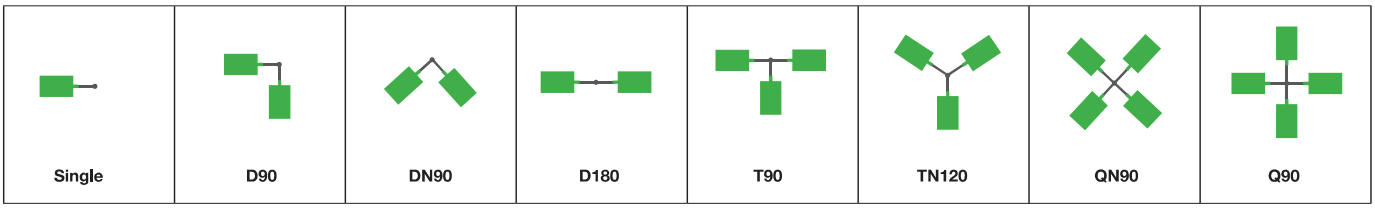
Size: 4” (4” x 4”), 5” (5” x 5”), 6” (6” x 6”)

ORDERING INFORMATION

EXAMPLE: **WSD-10FT4-7G-D-T**

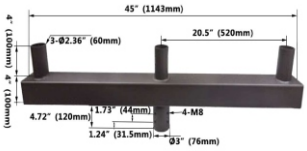
WSD	10FT	4	7G	D	T
COMPANY	HEIGHT	SIZE	THICKNESS	FINISH	MOUNTING
WSD LED INC	10FT - (3.0 M) 15FT - (4.6 M) 20FT - (6.1 M) 25FT - (7.6 M) 30FT - (9.1 M) 39FT - (11.8 M)	4 - (4” x 4”) 5 - (5” x 5”) 6 - (6” x 6”)	7G - (7 gauge)	**D -** (Dark Bronze)	**T -** (2.36” Adapter)

FIXTURE CONFIGURATIONS

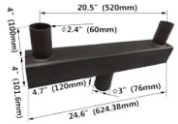


SQUARE EXTERNAL MOUNT HORIZONTAL TENON

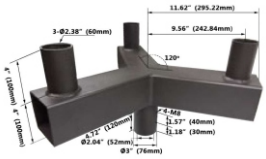
• To mount 2/3/4 fixtures on an existing pole



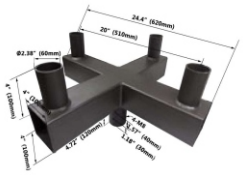
Low Profile Bullhorn with 3 Tenons
WSD-VTS4R-3T-D
MAX EPA: 1.6
Finish: Dark Bronze
The Bracket is designed to mount over 2-3/8” O.D. vertical tenon.



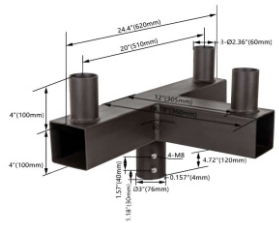
Low Profile Bullhorn with 2 Tenons
WSD-VTS4R-2T-D
MAX EPA: 1.0
Finish: Dark Bronze
The Bracket is designed to mount over 2-3/8” O.D. vertical tenon.



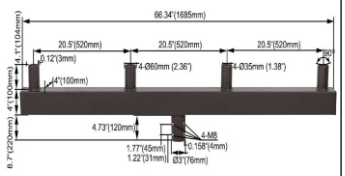
Triple 120° Horizontal Tenon Adapter
WSD-QT120-3T-D
MAX EPA: 1.4
Finish: Dark Bronze
The Bracket is designed to mount over 2-3/8” O.D. vertical tenon.



Quad 90° Horizontal Tenon Adapter
WSD-QT90-4T-D
MAX EPA: 1.6
Finish: Dark Bronze
The Bracket is designed to mount over 2-3/8” O.D. vertical tenon.



Square Triple 90° Horizontal Tenon Adapter
WSD-QT90-3T-D
MAX EPA: 1.5
Finish: Dark Bronze
The Bracket is designed to mount over 2-3/8” O.D. vertical tenon.



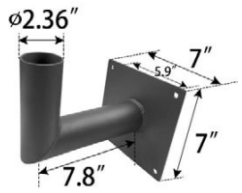
Low Profile Bullhorn with 4 Tenons
WSD-VTS4R-4T-D
MAX EPA: 1.7
Finish: Dark Bronze
The Bracket is designed to mount over 2-3/8” O.D. vertical tenon.

BRIGHTWAY LED Lighting

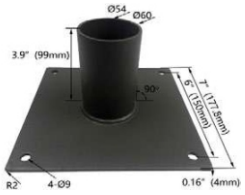
STRAIGHT SQUARE STEEL POLES - WSD Series

Size: 4” (4” x 4”), 5” (5” x 5”), 6” (6” x 6”)

WALL BRACKET • Attaches to any flat surface • Provides wiring access

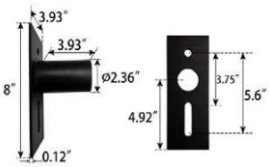


90° Wall Mount Bracket with 2-3/8” O.D. Tenon
WSD-ADP2.5-90-D
MAX EPA: 0.6
Finish: Dark Bronze
The 90° wall mount bracket with 2-3/8” tenon attaches flood and area fixtures to almost any surface: wall, roof, or wood pole. Provides wiring access and a built-in 2-3/8” O.D. tenon to mount a fixture with our adjustable slip-fitter. Suggested 3/8” diameter bolts for mounting.

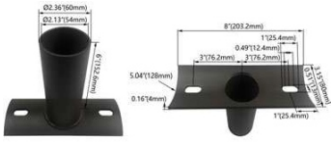


180° Wall Mount Bracket with 2-3/8” O.D. Tenon
WSD-ADP2.5-180L3.9-D
MAX EPA: 0.5
Finish: Dark Bronze
The 180° wall mount bracket with 2-3/8” tenon attaches flood and area fixtures to almost any surface: wall, roof, or wood pole. Provides wiring access and a built-in 2-3/8” O.D. tenon to mount a fixture with our adjustable slip-fitter. Suggested 3/8” diameter bolts for mounting.

MID-POLE TENON BRACKET

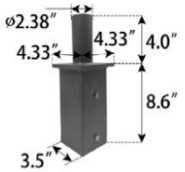


2-3/8” OD Horizontal Tenon Mid-Pole Bracket
WSD-ADP2.5-D
MAX EPA: 0.3
Finish: Dark Bronze
2-3/8” OD Horizontal Tenon Mid-Pole Bracket is designed to mount light fixture that is equipped with a adjustable slip-fitter onto a 2-3/8” OD horizontal tenon.

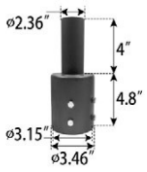


2-3/8” OD Horizontal Tenon Arc Adapter
WSD-ADP2.5-BAR5-D
MAX EPA: 0.3
Finish: Dark Bronze
For use with Round, non-tapered steel and aluminum poles.2-3/8” OD Horizontal Tenon Mid-Pole Bracket is designed to mount light fixture that is equipped with a adjustable slip-fitter onto a 2-3/8” OD horizontal tenon.

POLE BRACKET • For mounting one fixture on an existing pole



4” Square Pole Mount with 2-3/8” O.D. Tenon
WSD-VTS4-D
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.



3” Round Pole Mount with 2-3/8” O.D. Tenon
WSD-VT3-D
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.



5” Square Pole Mount with 2-3/8” O.D. Tenon
WSD-VTS5-D
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.



4” Round Pole Mount with 2-3/8” O.D. Tenon
WSD-VT4-D
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.



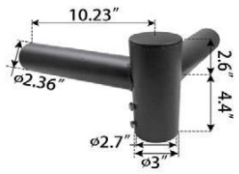
5” Round Pole Mount with 2-3/8” O.D. Tenon
WSD-VT5-D
MAX EPA: 0.3
Finish: Dark Bronze
For use with round, non-tapered steel and aluminum poles. Furnished with four 3/8” hex head stainless-steel bolts. Vertical tenon measures 2-3/8” O.D., and is made of steel tubing.

BRIGHTWAY LED Lighting

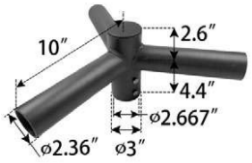
STRAIGHT SQUARE STEEL POLES - WSD Series

Size: 4” (4” x 4”), 5” (5” x 5”), 6” (6” x 6”)

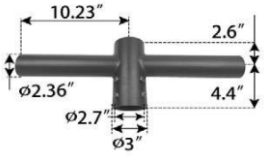
ROUND EXTERNAL MOUNT HORIZONTAL TENON · To mount 2/3/4 fixtures on an existing pole



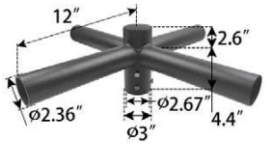
Double 90° Horizontal Tenon Adapter
WSD-SB2.5TW90-D
MAX EPA: 0.6
Finish: Dark Bronze
The Bracket is designed to mount over 2-3/8” (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.



Triple 120° Horizontal Tenon Adapter
WSD-SB2.5TR120-D
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.



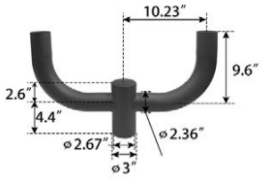
Double 180° Horizontal Tenon Adapter
WSD-SB2.5TW180-D
MAX EPA: 0.4
Finish: Dark Bronze
The Bracket is designed to mount over 2-3/8” (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.



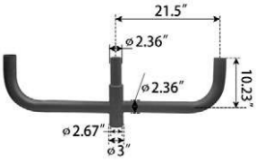
Quad 90° Horizontal Tenon Adapter
WSD-SB2.5QD90-D
MAX EPA: 0.3
Finish: Dark Bronze
The Bracket is designed to mount over 2-3/8” (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.



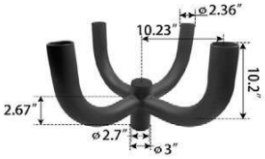
Single Spoke Bracket Tenon Adapter
WSD-SB2.5S90-D
MAX EPA: 0.4
Finish: Dark Bronze
The Bracket is designed to mount over 2-3/8” (60mm) O.D. vertical tenon. One fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.



180° Double Bullhorn
WSD-RB2.5D180-D
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.



180° Triple Bullhorn
WSD-RB2.5TR180-D
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.



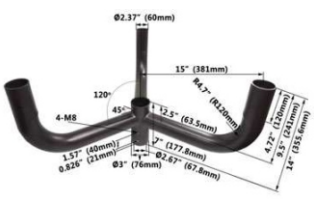
90° Quad Bullhorn
WSD-RB2.5QD90-D
MAX EPA: 1.5
Finish: Dark Bronze
The Bracket is designed to mount over 2-3/8” (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.



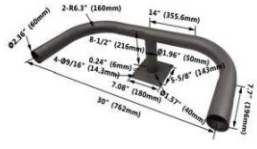
90° Wall Mount Bracket with 2-3/8” O.D. Tenon
WSD-ADP2.5-90H-D
MAX EPA: 0.7
Finish: Dark Bronze
The 90˚ wall mount bracket with 2-3/8” tenon attaches flood and area fixtures to almost any surface: wall, roof, or wood pole. Provides wiring access and abuilt-in 2-3/8” O.D. tenon to mount a fixture with our adjustable slip-fitter. Suggested 3/8” diameter bolts for mounting. Mounting holes are spaced 3-1/4” apart.



Double 180° Horizontal Tenon Adapter
WSD-RB2.5TR180H-D
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.



Triple 120° Horizontal Tenon Adapter
WSD-SB2.5TR120V-D
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.

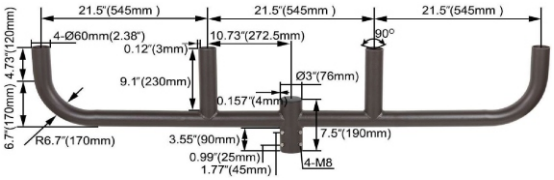


Double 180° Wall Mount Bracket with 2-3/8” O.D. Tenon
WSD-ADP2.5-180H-D
MAX EPA: 1.4
Finish: Dark Bronze
The 180˚ wall mount bracket with 2-3/8” tenon attaches flood and area fixtures to almost any surface: wall, roof, or wood pole. Provides wiring access and abuilt-in 2-3/8” O.D. tenon to mount a fixture with our adjustable slip-fitter. Suggested 3/8” diameter bolts for mounting. Mounting holes are spaced 3-1/4” apart.

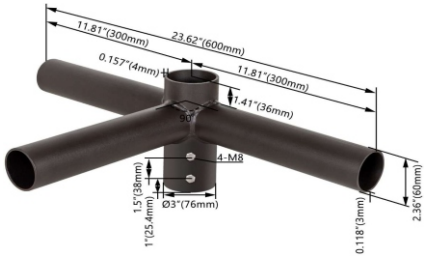
BRIGHTWAY LED Lighting

STRAIGHT SQUARE STEEL POLES - WSD Series

Size: 4” (4” x 4”), 5” (5” x 5”), 6” (6” x 6”)

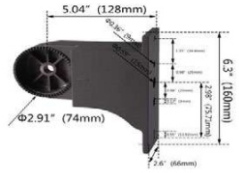


Four 180° Horizontal Tenon Adapter
WSD-RB2.5TR180-4T-D
MAX EPA: 1.4
Finish: Dark Bronze
The Bracket is designed to mount over 2-3/8” (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.



Round Triple 90° Horizontal Tenon Adapter
WSD-SB2.5QD90-3T-D
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.

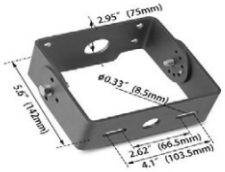
MOUNTING OPTIONS:



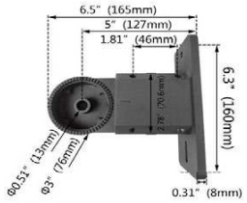
WSD-NEWSBARM2-D
Finish: Dark Bronze
Arm Mount 4” and 5” Square and Round poles. Standard versatile mounting arm is simple to install and can be used with existing poles for retro installations.



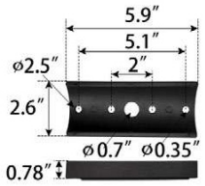
WSD-NEWSBSF2-D
Finish: Dark Bronze
Slipfitter Mount An optional cast aluminum mast arm adapter secures fixture head to nominal 2”(2-3/8”O.D. pipe size) horizontal steel tenon arm.



WSD-SBT-D
Finish: Dark Bronze
Easy to install for direct wall mounting with 1/2” conduit wiring.



WSD-SFARM2-D
Finish: Dark Bronze
SFARM2 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.

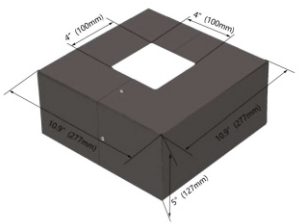


Arm Square Tube Turn Tube Tenon Adapter
WSD-ARM-BAR-D
Finish: Dark Bronze
Round tube light bar installation, with Arm installation of lamps.



Arm Square Tube Turn Tube Tenon Adapter
WSD-SADP-BAR-D
Finish: Dark Bronze
Round tube light bar installation, with Arm installation of lamps.

MOUNTING OPTIONS: (10-25 Foot Light Pole Usage)



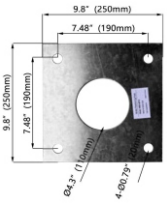
Install Base Shield
WSD-IBS4-D
Finish: Dark Bronze
The 4” Installation of base shield is used to protect the base after fixing the lamp pole, so that the lamp pole base is not damaged, thereby increasing the service life of the lamp pole.

BRIGHTWAY LED Lighting

STRAIGHT SQUARE STEEL POLES - WSD Series

Size: 4” (4” x 4”), 5” (5” x 5”), 6” (6” x 6”)

MOUNTING OPTIONS: (10-25 Foot Light Pole Usage)



Anchor Bolt Positioning Plate

WSD-SPP-D

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.

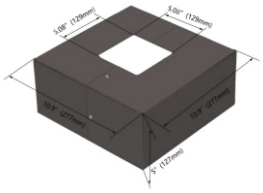


Anchor Bolt

WSD-BMS-S

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.

30FT Light Pole Optional Accessories:

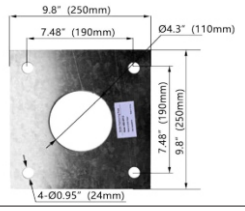


Install Base Shield

WSD-IBS5-D

Finish: Dark Bronze

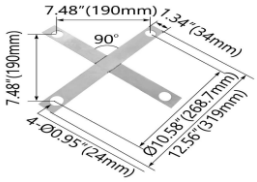
The 5” Installation of base shield is used to protect the base after fixing the lamp pole, so that the lamp pole base is not damaged, thereby increasing the service life of the lamp pole.



Anchor Bolt Positioning Plate

WSD-SPP250-TM24

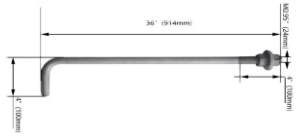
This is a screw rod positioning plate. After the screw rod of the lamp rod base is fixed underground, the positioning plate is fixed with the screw rod to prevent the screw rod from deviation. Finally, the lamp rod is locked,(It is used in conjunction with WSD-SPP250-BM24 and WSD-BM24SL914-S).



Cross Screw Positioning Plate

WSD-SPP250-BM24

This is a screw bottom cross positioning plate. It is used in conjunction with the top positioning plate WSD-SPP250-TM24 and WSD-BM24SL914-S to fix the positioning plate with the screw to prevent the screw from deviating. Finally, the lamp pole locks.

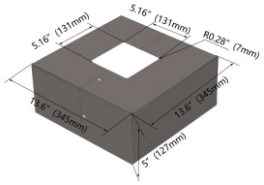


Anchor Bolt

WSD-BM24SL914-S

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,(It is used in conjunction with WSD-SPP250-BM24 and WSD-SPP250-TM24).

39FT 5″ Light Pole Optional Accessories:

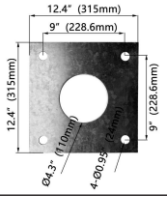


Install Base Shield

WSD-13.6IBS5-D

Finish: Dark Bronze

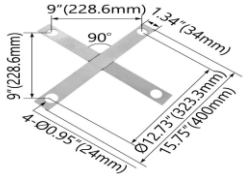
The 5” Installation of base shield is used to protect the base after fixing the lamp pole, so that the lamp pole base is not damaged, thereby increasing the service life of the lamp pole.



Anchor Bolt Positioning Plate

WSD-SPP315-TM24

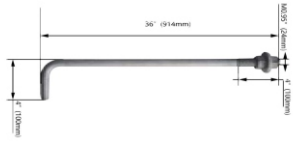
This is a screw rod positioning plate. After the screw rod of the lamp rod base is fixed underground, the positioning plate is fixed with the screw rod to prevent the screw rod from deviation. Finally, the lamp rod is locked,(It is used in conjunction with WSD-SPP315-BM24 and WSD-BM24SL914-S).



Cross Screw Positioning Plate

WSD-SPP315-BM24

This is a screw bottom cross positioning plate. It is used in conjunction with the top positioning plate WSD-SPP315-TM24 and WSD-BM24SL914-S to fix the positioning plate with the screw to prevent the screw from deviating. Finally, the lamp pole locks.

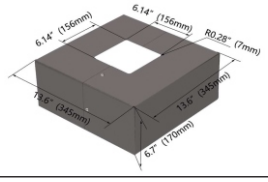


Anchor Bolt

WSD-BM24SL914-S

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,(It is used in conjunction with WSD-SPP315-BM24 and WSD-SPP315-TM24).

39FT 6″ Light Pole Optional Accessories:

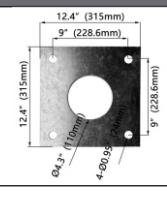


Install Base Shield

WSD-13.6IBS6-D

Finish: Dark Bronze

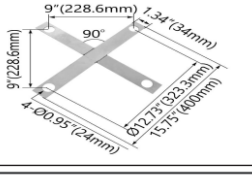
The 6” Installation of base shield is used to protect the base after fixing the lamp pole, so that the lamp pole base is not damaged, thereby increasing the service life of the lamp pole.



Anchor Bolt Positioning Plate

WSD-SPP315-TM24

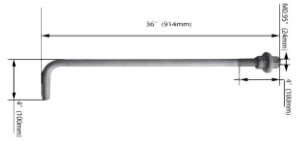
This is a screw rod positioning plate. After the screw rod of the lamp rod base is fixed underground, the positioning plate is fixed with the screw rod to prevent the screw rod from deviation. Finally, the lamp rod is locked,(It is used in conjunction with WSD-SPP315-BM24 and WSD-BM24SL914-S).



Cross Screw Positioning Plate

WSD-SPP315-BM24

This is a screw bottom cross positioning plate. It is used in conjunction with the top positioning plate WSD-SPP315-TM24 and WSD-BM24SL914-S to fix the positioning plate with the screw to prevent the screw from deviating. Finally, the lamp pole locks.



Anchor Bolt

WSD-BM24SL914-S

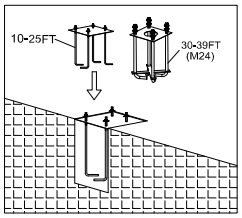
Before installing the lamp pole, the installation hook should be buried underground and fixed by cement After fixing, the lamp pole should be fixed by locking screw and base installed,(It is used in conjunction with WSD-SPP315-BM24 and WSD-SPP315-TM24).

BRIGHTWAY LED Lighting

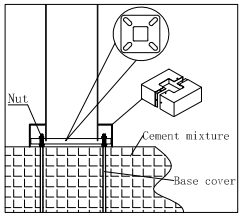
STRAIGHT SQUARE STEEL POLES - WSD Series

Size: 4” (4” x 4”), 5” (5” x 5”), 6” (6” x 6”)

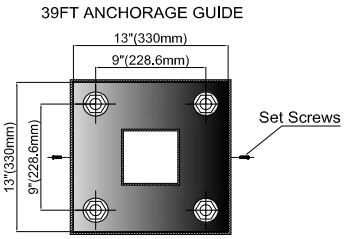
INSTALLATION:

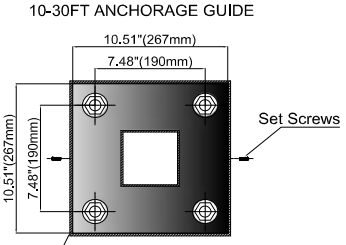


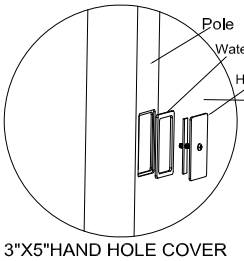
1. Excavate a hole at the installation location for the lamp pole. Ensure that the dimensions of the hole are suitable for accommodating both the base of the pole and the required anchor bolts.
2. Using the screw positioning plate as a template, insert four anchor bolts into the excavated hole. Align each anchor bolt precisely with the corresponding hole positions on the lamp pole base to ensure a secure and stable installation.
3. Once the anchor bolts are correctly positioned, pour concrete into the hole. The concrete should fully encase the anchor bolts, creating a solid foundation for the lamp pole.



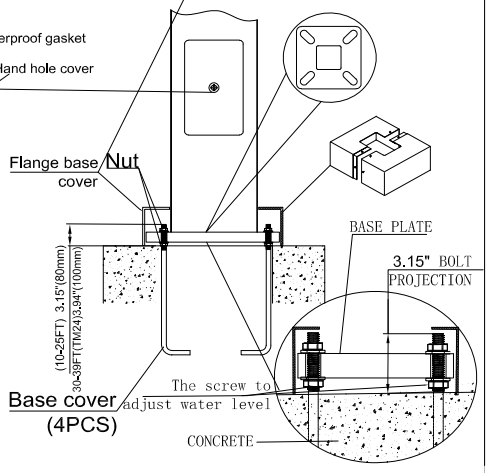
4. Install the four nuts and washers onto the protruding anchor bolts. Adjust each nut to ensure they provide a level surface for the lamp pole base.
5. Position the pole base plate over the aligned nuts. Securely tighten all nuts to firmly fix the pole base plate.
6. Finally, install the base cover at the bottom of the lamp pole to complete this stage of the installation process.



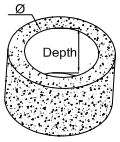


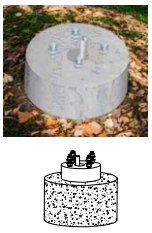


3"X5"HAND HOLE COVER



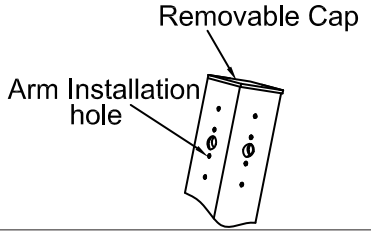
Foundation reference specification



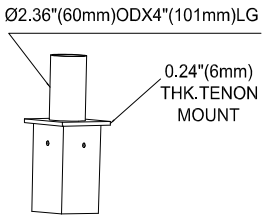


Reference design of Concrete size		
Specifications	Ø	Depth
10-15FT	31.5"(800mm)	59.1"(1500mm)
20-25FT	35.4"(900mm)	70.9"(1800mm)
30-39FT	35.4"(900mm)	82.7"(2100mm)

LIGHT POLE TOP



PRE-DRILL MOUNT OPTIONS



TENON MOUNT INCLUDED ON TOP