

STRAIGHT SQUARE STEEL POLE SSS

SSS Straight Square Steel Light Poles are engineered to support new construction and site lighting retrofit applications, delivering a durable, cost-effective foundation for national accounts, commercial developments, institutional facilities, and ESCO lighting projects. Standardized configurations simplify specification, procurement, and installation—helping reduce project complexity and keeps your project on schedule.

Manufactured from high-strength structural steel and finished with a corrosion-resistant coating, these poles are designed to provide long-term structural integrity and reliable performance across the full project lifecycle.

Compatible with a wide range of LED luminaires, SSS poles integrate seamlessly into both retrofit and new construction site lighting programs.

FEATURES

CONSTRUCTION

- All poles include hand hole cover, base cover, anchor bolts and paper template
- Poles provided with either 2 3/8" OD x 4" tenon top or open top with removable pole cap
- Open top poles can be provided drilled for mounting fixture
- All 4" base plates fit a bolt circle range of 8-11" and 5" base plate fit a bolt circle range of 10-12"
- Pole Shaft: 4-inch square 11-gauge commercial grade steel with minimum yield strength of 50,000 psi.
5-inch square 7-gauge commercial grade steel with minimum yield strength of 50,000 psi.
- Handhole: 3" X 5" size handhole is located at 18 inches from the base.
- Ground lug with set screw is located near the handhole opening for proper grounding of the pole.
- Base Cover: Two-piece ABS plastic base cover or steel base cover provided.
- Anchor Bolts: A set of 4 galvanized steel anchor bolts is provided with each pole assembly.
- Full scale paper anchor bolt template is included per order. Rigid templates optional.

LISTING

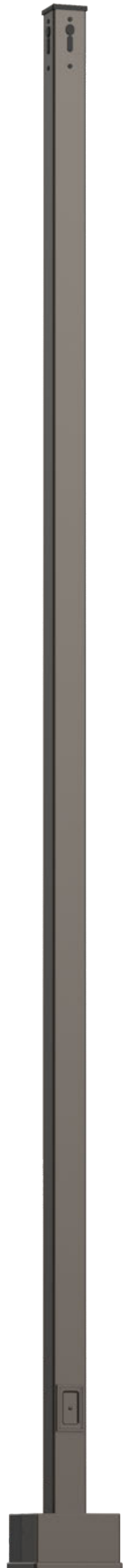
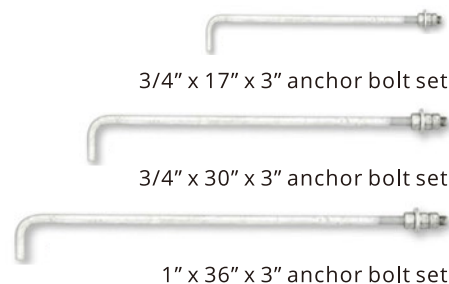
- 1 Year Warranty pole
- 2 Year Warranty finish

FINISH

- UV stabilized powder coated finish
- Bronze, Black, White, Aluminum finish standard

OPTIONS

- Vibration dampener
- 3" OD tenon
- Steel base cover
- Custom colors
- Custom pole heights
- Additional handholes (for GFCI waterproof socket by others)



Specialized expertise and focus on ESCOs, national accounts and distributor partnerships
Call 866-458-6372 for assistance.

ORDERING GUIDE

Series	Height ¹	Shaft ²	Gauge	Mounting	Configuration ⁷
SSS Straight Square Steel Pole ^{13,15}	16 16 Foot ⁸ 18 18 Foot ⁸ 20 20 Foot ⁹ 25 25 Foot ⁹ 30 30 Foot ¹⁰	4 4" x 4" ^{11,12} 5 5" x 5" ¹²	1 0.125" wall ¹¹ 7 0.188" wall ¹²	O Open Top ³ T Tenon Top ⁴ D Drilled ^{3,5}	O No Drilling F Drill quad 90° mounting with all four sides plugged using LumESCO Universal LumCADEN/LumPLEX drill pattern

Finish	Options
AL Aluminum BL Black BZ Bronze WH White CC Custom Color ¹⁴	B4 Steel base cover for 4" pole B5 Steel base cover for 5" pole T3 3" OD Tenon top pole TP Tamper Resistant Screws (hand hole) ¹⁶ HH Extra Hand Hole (for GFCI Receptacle by others) ⁶

EXAMPLES OF POLE NOMENCLATURE:

16' SSS-16-4-1-(Mounting)-(Configuration)-(Drilling)-(Finish)-(Options)
 18' SSS-18-4-1-(Mounting)-(Configuration)-(Drilling)-(Finish)-(Options)
 20' SSS-20-4-1-(Mounting)-(Configuration)-(Drilling)-(Finish)-(Options)
 20' SSS-20-4-7-(Mounting)-(Configuration)-(Drilling)-(Finish)-(Options)
 25' SSS-25-4-1-(Mounting)-(Configuration)-(Drilling)-(Finish)-(Options)
 25' SSS-25-4-7-(Mounting)-(Configuration)-(Drilling)-(Finish)-(Options)
 30' SSS-30-5-7-(Mounting)-(Configuration)-(Drilling)-(Finish)-(Options)

Foot Notes:

- Custom pole heights available. Pole will be cut down to required height from the next tallest pole shaft offered.
- Check pole performance data to confirm availability of pole gauges available for specific heights
- Open top and drilled poles include a pole cap
- Tenon top poles use a 2 3/8" OD tenon
- For custom drilled poles, detailed drawing of drill pattern, and mounting orientation is required at time of order submission. Longer lead times might apply
- Requires location on pole at time of ordering. See ordering guide below for directions how to designate location
- Not responsible for any claims arising from improper loading (what is attached to the light pole), improper use, incorrect foundation design and/or installation.
- Pole uses 3/4" x 17" x 3" or 3/4" x 30" x 3" anchor bolt set
- Pole uses 3/4" x 30" x 3" anchor bolt set
- Pole uses 1"x36"x4" anchor bolt set (7-gauge poles)
- 16', 18', 20', 25' available in 11 gauge
- 25', 30' poles available in 7 gauge
- All poles will be provided with either ABS or Steel base covers
- For custom color, RAL color number or 2 paint chip samples required at time of ordering.
- Paper template provided as standard
- One screwdriver required per order of poles with tamper resistant screws

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ORDERING GUIDE

Ordering Guidance for Location-Specific Options and Custom Drill Patterns

When specifying location-specific options, provide both the orientation (degrees) and the mounting height (feet) for each item.

Example Configuration

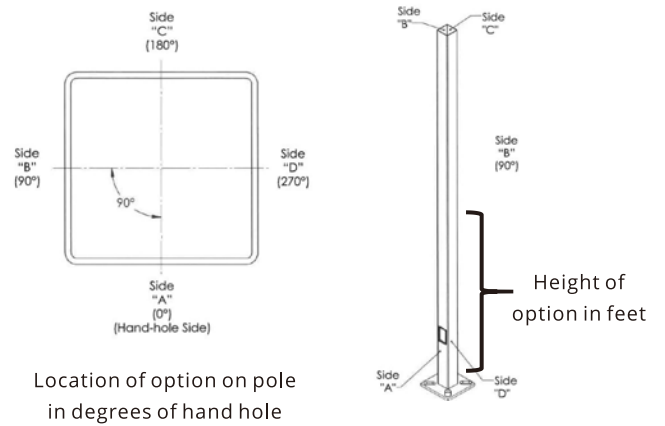
Option HH Should not be specified as:

SSS-25-4-1-D-F-BZ-B4-HH-C-15

(Includes extra handhole located on the C side of pole (opposite the handhole side of the pole), positioned 15' above the pole base.

Maintain a minimum 1' vertical spacing between all options.

Consult factory for alternate configurations or custom layouts.



OPTIONS



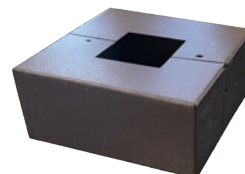
Extra Hand Hole and Cover
(for GFCI Receptacle by others)



Tenon Top Pole
3"OD Tenon



Steel Base Cover for
4" Square Pole
Pole-10003



Steel Base Cover for 5"
Square Pole
Pole-10005

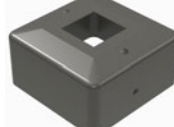
POLE ACCESSORIES



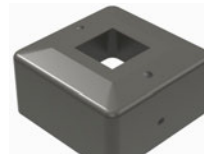
First Mode Vibration
Damper for 4" Square Pole
(Field Installed) Pole-10011



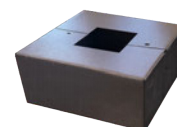
First Mode Vibration
Damper for 5" Square Pole
(Field Installed) Pole-10012



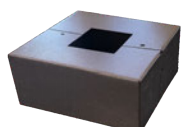
ABS Base Cover for
4" Square Pole
Pole-10002



ABS Base Cover for
5" Square Pole
Pole-10004



Steel Base Cover for
4" Square Pole
Pole-10003



Steel Base Cover for
5" Square Pole
Pole-10005



Hand Hole Cover
Pole-10013



Rigid Anchor Bolt
Template with 9.5"
bolt circle Pole-10010



Tamper Resistant
Screwdriver
Pole-10018



Pole Cap
4"x4" Square Pole
Pole-10014



Pole Cap
5"x5" Square Pole
Pole-10019



Replacement Galvanized
Hex Nut for 3/4" Anchor
Bolt Pole-10020



Replacement Galvanized
Hex Nut for 1" Anchor
Bolt Pole-10021



1" x 36" x 4" Anchor Bolt Set
consisting of 4 bolts with 8 washers
and 8 nuts Pole-10008



3/4" x 30" x 4" Anchor Bolt Set
consisting of 4 bolts with 8 washers
and 8 nuts Pole-10007



3/4" x 17" x 4" Anchor Bolt Set
consisting of 4 bolts with 8 washers
and 8 nuts Pole-10006



Replacement Galvanized
Flat Washer for 3/4"
Anchor Bolt Pole-10022

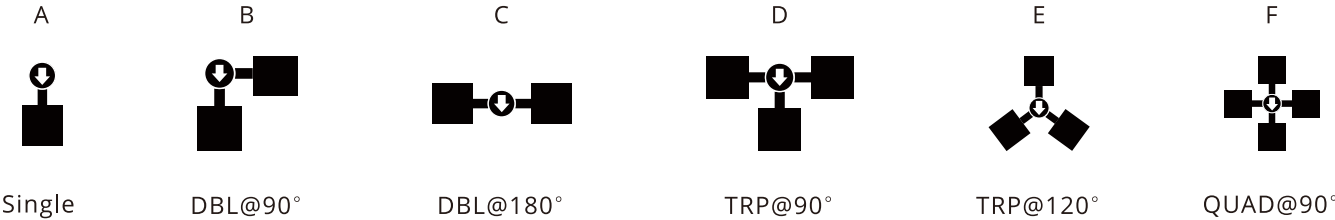


Replacement Galvanized
Flat Washer for 1" Anchor
Bolt Pole-10023

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POLE DRILL MOUNT OPTIONS

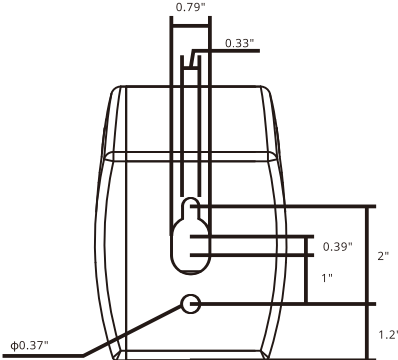
SIDE MOUNTING LOCATIONS



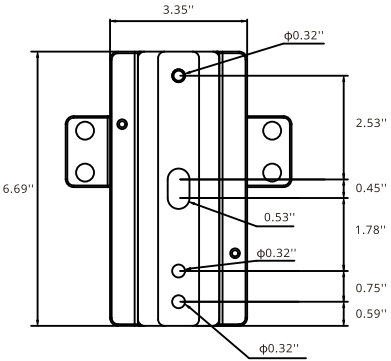
 Denotes handhole location on pole
E orientation for round poles or with a pole with a round tenon top pole fitter, drilled triple at 120°

LumESCO DRILL PATTERNS

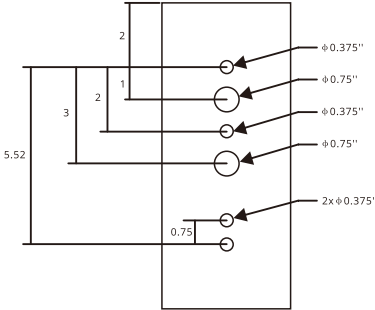
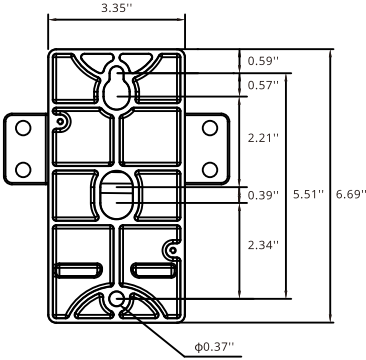
LumCADEN



LumPLEX



LumPLEX



LumESCO Universal LumCADEN/LumPLEX Pole Drill Pattern
All units in inches

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PERFORMANCE DATA

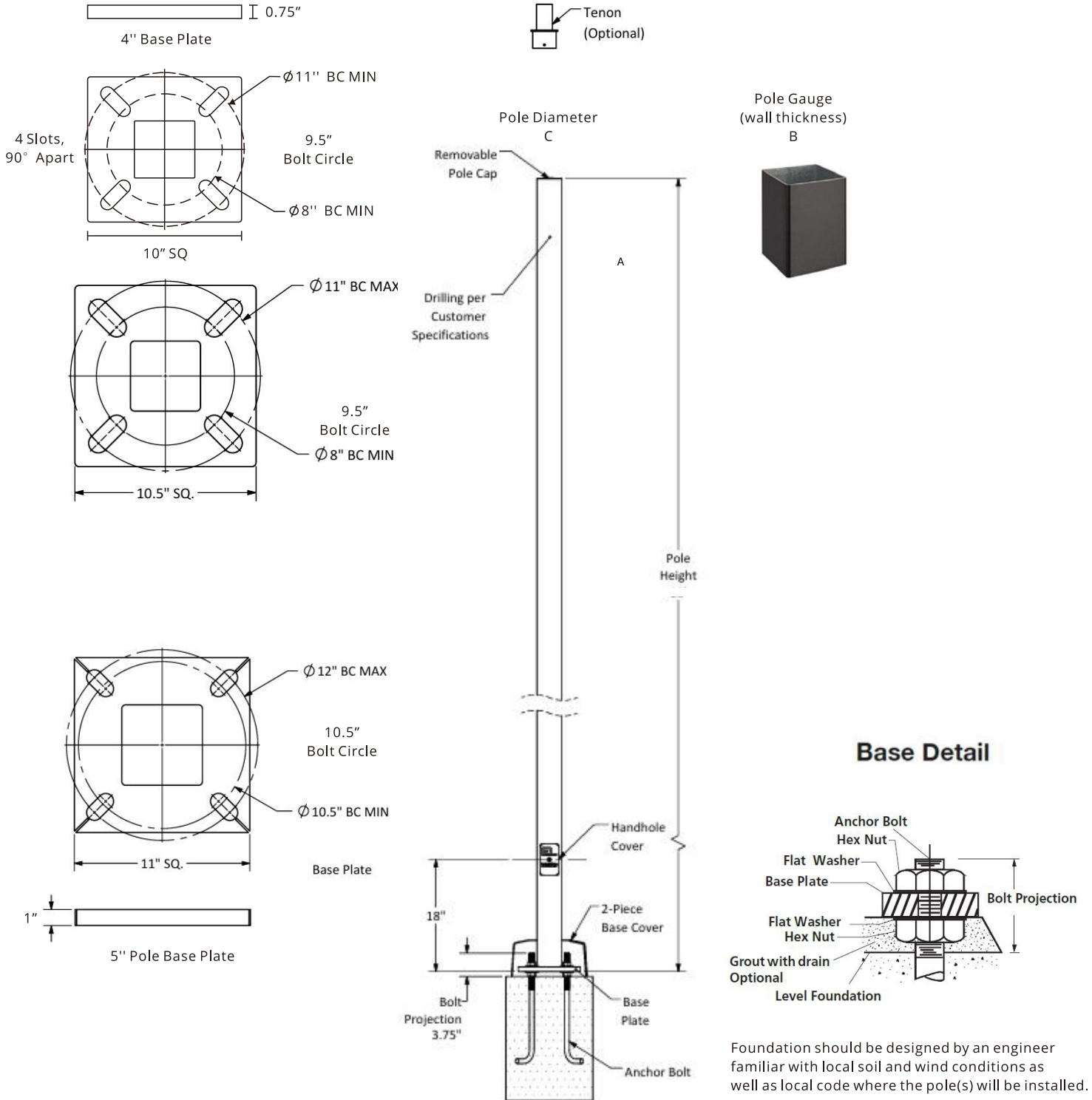
SPECIFICATIONS								MAXIMUM EPA WITH 1.3 GUST FACTOR(SQUARE FEET)						
Pole Height (A)	Gauge (B)	Diameter (Wall Thickness) (C)	Bolt Circle (D)	Bolt Circle Range	Base PLATE Thickness (E)	Anchor Bolt Size(F)	Pole Weight	90MPH	100MPH	110MPH	120MPH	130MPH	140MPH	150MPH
16'	11	4" (0.125")	9.5"	8"-11"	0.75"	0.75"x17"x3" or 0.75"x30"x3"	115	17.0	13.2	8.7	6.3	4.4	2.7	1.5
18'	11	4" (0.125")	9.5"	8"-11"	0.75"	0.75"x17"x3" or 0.75"x30"x3"	125	11.3	8.4	7.6	5.7	4.0	2.4	1.3
20'	11	4" (0.125")	9.5"	8"-11"	0.75"	0.75"x17"x3" or 0.75"x30"x3"	140	9.1	6.5	5.8	4.2	2.9	1.9	1.2
20'	7	4" (0.188")	9.5"	8"-11"	0.75"	0.75"x30"x3"	198	15.1	11.5	10.5	8.2	6.5	5.0	
25'	11	4" (0.125")	9.5"	8"-11"	0.75"	0.75"x30"x3"	175	5.8	5.0	5.5	3.5	1.9		
25'	7	4" (0.188")	9.5"	8"-11"	0.75"	0.75"x30"x3"	245	9.7	6.9	6.2	4.4	3.1	2.0	
30'	7	5" (0.188")	10.5"	10.5"-12"	1"	1"x36"x4"	390	11.7	8.0	7.0	4.7	2.9	1.5	

Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2009 AASHTO LTS-5 using a 25-year design life. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight may reduce the maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.

Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location

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DIMENSIONS



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MOUNTING ACCESSORIES



2 3/8" OD Tenon Top
Adaptor for 4" Square Pole
MT-10001



2 3/8" OD Tenon Top
Adaptor for 5" Square Pole
MT-10002



3" OD Tenon Top
Adaptor for 4" Square Pole
MT-10003



3" OD Tenon Top
Adaptor for 5" Square Pole
MT-10004



3" to 2 3/8" OD
Tenon Top Reducer
MT-10005



4" to 2 3/8" OD
Tenon Top Reducer
MT-10006



2 3/8" OD Tenon Adaptor
With 1/2" NPS Coupling
MT-10007



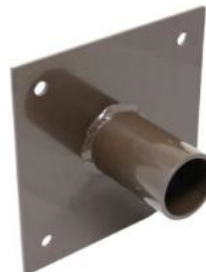
2 3/8" OD Square Tenon Adaptor
For Up To Quad Mounting
MT-10008



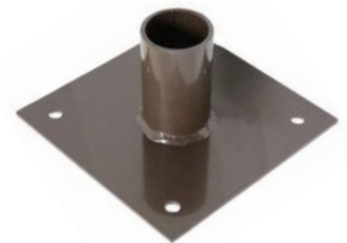
2 3/8" OD
Tenon Arm for Square Poles
MT-10009



2 3/8" OD
Tenon Wall Mount Bracket
MT-10010



2 3/8" OD
Tenon Wall Mount Spoke -
Pad Mount Bracket
MT-10011



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MOUNTING ACCESSORIES



2 3/8" OD
Tenon Bull Horn Adaptor
For Two Fixtures
MT-10012



2 3/8" OD
Tenon Triple Adaptor
For Three Fixtures
MT-10013



2 3/8" OD
Tenon Quad X Adaptor
For four Fixtures
MT-10014



2 3/8" OD
Spoke Adaptor
For Two Fixtures
MT-10015



2 3/8" OD
Tenon Bull Horn Adaptor
For Two Fixtures
MT-10016



2 3/8" OD
Tenon Bull Horn Adaptor
For Triple Fixtures
MT-10017



2 3/8" OD
Tenon Bull Horn Adaptor
For Triple Fixtures at 120° Mounting
MT-10018



2 3/8" OD
Tenon Quad X Adaptor
For four Fixtures
MT-10019



2 3/8" OD
Tenon Single Spoke Adaptor
MT-10020



2 3/8" OD
Tenon Spoke Adaptor
Double at 90° Mounting
MT-10021



2 3/8" OD
Tenon Spoke Adaptor
Double at 180° Mounting
MT-10022



2 3/8" OD
Tenon Spoke Adaptor
Triple at 90° Mounting
MT-10023



2 3/8" OD
Tenon Spoke Adaptor
Triple at 120° Mounting
MT-10024



2 3/8" OD
Tenon Spoke Adaptor
Quad at 90° Mounting
MT-10025

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