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Available Steel Poles

- **STEEL ROUND POLES (RP)**
- **STEEL SQUARE POLES (SQ)**
- **STEEL ROUND TAPERED POLES (RTP)**

**Steel Pole Shaft Preparations (Optional)**

**OS Occupancy Sensor Preparation (Optional)**
Available on all Above Poles

For use with PMOS Occupancy Sensor

<table>
<thead>
<tr>
<th>Square Poles</th>
<th>Round and Round Tapered Poles</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot; (76mm)</td>
<td>3&quot; (76mm)</td>
</tr>
</tbody>
</table>

**Steel Pole Shaft Preparations (Optional)**

**Flood Light Preparation (Optional)**
Available on all Above Poles

For use with FBO Brackets

<table>
<thead>
<tr>
<th>Square Poles</th>
<th>Round and Round Tapered Poles</th>
</tr>
</thead>
<tbody>
<tr>
<td>3&quot; (76mm)</td>
<td>3&quot; (76mm)</td>
</tr>
</tbody>
</table>

**Hand-Hole**

**Optional Base Cover**

**Projection**

**Ground Level**

**Foundation by Others**

**Anchor Bolts**

12" (305mm) Standard
Available Aluminum Poles

- **ALUMINUM ROUND POLES (RP)**
- **ALUMINUM SQUARE (SOFT CORNER) POLES (SQ)**
- **ALUMINUM ROUND TAPERED POLES (RTP)**
- **ALUMINUM FLUTED ROUND POLES (FRN)**
- **ALUMINUM ROUND HINGED BASE POLES (RHP)**

**Aluminum Round**

- 8’-20’ (2.4m - 6.1m)
- Hand-hole
- 12” (305mm) Standard
- Nut Covers

**Aluminum Square (Soft Corner)**

- 8’-35’ (2.4m - 10.7m)
- Hand-hole
- 5” (127mm) = 14” (356mm) Standard
- Nut Cover Discs

**Aluminum Round Tapered**

- 18’-30’ (5.5m - 9.1m)
- Hand-hole
- 12” (305mm) for 5” Pole Bottom
- Nut Covers
- 18” (457mm) for 6”, 8” or 9” Pole Bottom

**Aluminum Round Hinged Base**

- Shipped standard without Hand-hole. Optional Hand-hole available.
- Round Hinged Base
- Nut Covers
- Aluminum 2-Piece Cast Base Cover (Standard)

**Aluminum Fluted Round with Decorative Base**

- FRN2
- FRN3
- FRN2 Access Door 4” wide x 5-5/8” tall (102mm x 143mm)
- FRN3 Access Door 3-1/2” wide x 16-1/2” tall (83mm x 420mm)
- Cross Section
- 16 Flat Flute
- 21-1/2” (546mm)
- 17” Dia (432mm)
- 31-1/2” (800mm)
- 17” Dia (432mm)
- Festoon preparation for FP & PG options

**Aluminum Pole Shaft Preparation (Optional)**

- Not available on fluted poles
Pole Basics

Pole Top Preparations for Steel & Aluminum

Bolt-on Drilling Pattern

5” (127mm) Traditional Drilling Pattern

- 4RPB5
- 5RPB5
- 4SQB5
- 5SQB5
- 6SQB5
- RTPB5
- 4RHPB5
- 5RHPB5

3” (76mm) Reduced Drilling Pattern

- 4RPB3
- 5RPB3
- 4SQB3
- 5SQB3
- 4RHPB3
- 5RHPB3

Tenon Mount

- 4RPN
- 5RPN
- 4SQN
- 5SQN
- RTPN
- 4RHPN
- 5RHPN

No Drilling with Pole Cap

- 4RPI
- 5RPI
- 4SQI
- 5SQI

- 4RPHI
- 5RPHI

No Drilling without Pole Cap

- 4RPSF
- 4RHPSF

Steel Poles
N = 2-3/8” O.D. (60mm)
X
4’ tall (122mm)

Steel Poles
N = 4” O.D. (102mm)
X
4-7/8’ tall (143mm)

Aluminum Poles
N = 2-3/8” O.D. (60mm)
X
4’ tall (122mm)

Aluminum Poles
N = 4” O.D. (102mm)
X
5’ tall (152mm)

RPI - For use with Lifestyle UCLS and UCL D180 Brackets

SQI - For use with internal Slip-fitter Bracket

For use with Lifestyle Classic Hook (CH) mounting and Constitution, Enterprise, and Lexington Post Top (PT) single mounting styles
Pole Basics

**Bolt-on Brackets**

**SQB5, RPB5, RTPB5, RHPB5 - For Use with 5” (127mm) Traditional Drill Pattern**

- **2-½” x 5-3/8” x 6”**
  - (64mm) x (127mm) x (152mm)
  - (64mm) x (127mm) x (152mm)
  - (64mm) x (127mm) x (152mm)

- **6”**
  - (152mm)

**BKA BO S 6, 8, or 12 CLR R**
- Aluminum Mounting Arm
- Not for use with XSB, Patriot, Hilton or XLCL
- (Round pole applications use RPP2)
- 6” Part # 16196602CLR
- 8” Part # 16196604CLR
- 12” Part # 16196602CLR

**BKA HRBO S 6 CLR**
- Aluminum Mounting Arm
- Use with Hilton II on round poles
- Part # 16844CLR
- (Round pole applications require RPPC)

**BKA BO EC 6 CLR**
- Aluminum extension bracket
- Use with Patriot
- Part # 142862CLR
- (Round pole applications require RPPC)

**SQB3, RPB3, RHPB3 - For Use with 3” (76mm) Reduced Drill Pattern**

**BKA-XBO-EC-6-CLR**
- EXTENSION ARM - Aluminum 3” reduced drill pattern
- Use this 6” extension arm to position the fixture further from the pole
- Not for use with Mirada Series or decorative area ligts
- Part # 382133CLR

**X4RPP CLR - Round Pole Plate**
- For 4” Round Poles
- Part # 379967CLR

**X5RPP CLR - Round Pole Plate**
- For 5” Round Poles
- Part # 379968CLR

**Drilling Locations**

<table>
<thead>
<tr>
<th>Sides</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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<tr>
<td>Hand-hole</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Single</td>
<td>X</td>
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<td></td>
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<tr>
<td>0180°</td>
<td>X</td>
<td>X</td>
<td></td>
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<td>090°</td>
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<tr>
<td>T90°</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>TN120°</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Q90°</td>
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<tr>
<td>Single FBO(SF)</td>
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<td>X</td>
<td>X</td>
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</tr>
<tr>
<td>Double FBO(DF)</td>
<td>X</td>
<td></td>
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</table>

**Note:** Consult factory for custom variations. Standard SF and DF pole preparations are located 3/4 of the height of the pole from the base, unless otherwise specified. (Except on 20’ Round Tapered pole - Maximum height for SF & DF is 13’ from base.)

**Fixture Configurations**

- Single
- D90
- DN90
- D180
- Parallel

- T90
- TN120
- QN90
- Q90
Retrofit Bolt-On Brackets

Use to convert poles with existing 5” (127mm) Traditional 2-hole, 3-hole and 4-hole LSI drilling patterns to use with fixtures with 3” (76mm) reduced drill pattern.

- **BKS-XBO-ADP-2H-CLR** - To convert 2-hole 5” traditional LSI drilling pattern on round or square poles. Part Number 388239CLR
- **BKS-XBO-ADP-3H-CLR** - To convert 3-hole LSI drilling pattern on square poles. Part Number 388059CLR
- **BKS-XBO-ADP-4H-CLR** - To convert 4-hole LSI drilling pattern on square poles. Part Number 388060CLR
- **BKS-XBO-ADP-2H-CLR-EC6** - To convert 2-hole 5” traditional LSI drilling pattern. Includes 6” extension arm and proper hardware for use with round or square poles. Part Number 388241CLR

When ordering adaptors for 3- and 4-hole drilled square poles, ordering a replacement cap is also recommended due to the aging of the existing plastic pole cap.

Flood Brackets - For use with SF & DF pole shaft preparations

- **BKS FBO 5 * CLR** - Part # 107054CLR
- **BKS FBO 18 * CLR** - Part # 107053CLR
- **BKS FBO 30 CLR** - Part # 133163CLR

Mounting Hole Plugs & Decal

- **Mounting Hole Plugs**
  - Set of 3 for square pole with 5” traditional drill pattern.
  - Part # 132336

- **Mounting Hole Decal (MHD)**
  - Available for round & round tapered poles and square poles with 3” reduced drilling pattern.
  - Part # 340120
Pole Basics

Tenon Mount Brackets

SQN, RPN, FRN, RHPN, RTPN with N Tenon
(2 3/8” (60mm) O.D. x 4 3/4” (121mm) or 4” (102mm) tall)

Tenon Mount Fitters with 5” (127mm)
Traditional Drill Pattern

Tenon Mount Fitters with 3” (76mm)
Reduced Drill Pattern

Tenon Mount Adjustable with 5” (127mm)
Traditional Drill Pattern

Tenon Mount Parallel Arm with 5” (127mm)
Traditional Drill Pattern

Flood Brackets - Used with tenon mount poles

Tenon Mount Mast Arm

Mast Arm Adaptor with 5” (127mm)
Traditional Drill Pattern

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• LSI Industries Inc. 3305

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**Tenon Reducers**

NM-RD  
Steel round slipfitter reducer, comes with set screws and one through bolt.

<table>
<thead>
<tr>
<th>P/N</th>
<th>Description</th>
<th>I.D.</th>
<th>O.D.</th>
<th>Fits</th>
<th>How Much Play</th>
</tr>
</thead>
<tbody>
<tr>
<td>137096CLR</td>
<td>BKS-NM-RD-25-CLR</td>
<td>3.068&quot;</td>
<td>3.5&quot;</td>
<td>2.875&quot; O.D.</td>
<td>2-5/8&quot; to 2-7/8&quot;</td>
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<tr>
<td>137093CLR</td>
<td>BKS-NM-RD-30-CLR</td>
<td>3.640&quot;</td>
<td>4&quot;</td>
<td>3.5&quot; O.D.</td>
<td>3-1/4&quot; to 3-1/2&quot;</td>
</tr>
<tr>
<td>137090CLR</td>
<td>BKS-NM-RD-35-CLR</td>
<td>4.140&quot;</td>
<td>4.5&quot;</td>
<td>4&quot; O.D.</td>
<td>3-3/4&quot; to 4&quot;</td>
</tr>
</tbody>
</table>

**NOTES:**  
Part description refers to pipe size.  
Top tenon is 2" pipe or 2-3/8" (60mm) dia. x 4-3/4" (121mm) high.  
How Much Play = For the in between sizes of their tenon, you have about 1/4" (6mm) play.  
Fits = Customer’s existing tenon size.

**Banner Brackets for use with Straight Round Poles**

[Schematic diagram of banner bracket]

Single Side Double Bracket Assembly  
BBKS 4 R S 18, 24, 30 CLR Consult factory for part numbers  
BBKS 5 R S 18, 24, 30 CLR Consult factory for part numbers

D180 Double Bracket Assembly  
BBKS 4 R D 18, 24, 30 CLR Consult factory for part numbers  
BBKS 5 R D 18, 24, 30 CLR Consult factory for part numbers

Special EPA calculations are required on banner bracket applications, consult factory.

**Vibration Damper for use with Steel Square Poles - Bolt-on Mount**

4" (102mm) and 5' (127mm) square pole dampers supplied with (2) 15' (4.6M) vinyl coated chains
6" (152mm) square pole dampers supplied with (2) 20' (6.1M) vinyl coated chains

Poles vibration dampers are designed to reduce the amounts of vibration incurred in certain poles. They are not intended to eliminate vibration altogether.

Kit VIBR DMPR 4SQ Pole  
Part # 172539

Kit VIBR DMPR 5SQ Pole  
Part # 172538

Kit VIBR DMPR 6SQ Pole  
Part # 178361
**Pole Basics**

**Fixture Specific Brackets**

**Brackets for use with LSI Practica Small (PLCS)**

Improper use of brackets will void warranty.

- **BKS-XBO-WM-**-**CLR**
  - 2-bolt pattern steel wall mount plate to use with 3’ (76mm) reduced drill pattern.
  - Part # 382332CLR

  If **BKA-XNM-PLCS-ADJ** is required for wall mount application, **BKS-BO-WM-W/BKS-FBO-5-**-**CLR** bracket is required.

- **BKS-XNM-PLCS-ADJ-**-**CLR**
  - Tenon slipfitter bracket tiltable up to 90°. Fits 2’ pipe (2 3/8” O.D.) tenon.
  - Part # 626315CLR
  - Not compatible with XLCS, XLCM, XLCL.

- **BKS-BO-WM-W/BKS-FBO-5-**-**CLR**
  - 2-bolt pattern steel wall mount plate and FBOE bracket with **BKAXNM-PLCS-ADJ** bracket for use with PLCS only.
  - Part # 628675CLR

**Brackets for use with XLCS, XLCM & PLCS only**

Pole Quick Mounts with Universal Mounting Plate for one person installation.
Can mount to LSI’s and most competitor’s drilling patterns. For use with square poles & BKA NM tenon adaptors only.

- **BKA-XNM-PLCS-ADJ-**-**CLR**
  - Tenon slipfitter bracket tiltable up to 90°. Fits 2” pipe (2 3/8” O.D.) tenon.
  - Part # 626315CLR
  - Not compatible with XLCS, XLCM, XLCL.

- **SPL-PLCS-BKS-**-**NM-**-**ISF-**-**CLR**
  - Bracket adapts open topped 4” (102mm) or 5” (127mm) square pole to have a 2” pipe (2 3/8” O.D.) tenon.

- **BKS-BO-WM-W/BKS-FBO-5-**-**CLR**
  - 2-bolt pattern steel wall mount plate.

**Adjustable Brackets for use with XRSU, XRMU and PRSU Roadway Fixtures**

- **PQM15-KIT-CLR** Square Pole Quick Mount Bracket w/15° Angle
  - Part # 582329CLR

**Horizontal - PQMH**

Note: When mounting to a non-LSI drilling pattern, the original nut plate must be retained for use with bracket.

- **PQM15-KIT-CLR** Square Pole Quick Mount Bracket w/15° Angle
  - Part # 582329CLR

- **BKA-BO-XRSU/XRMU/PRSU-ADJ-**-**CLR**
  - For poles with 5” traditional drill pattern
  - Part # 530070CLR

- **BKA-NM-XRSU/XRMU/PRSU-ADJ-**-**CLR**
  - For poles with 2” pipe - 2 3/8” (60mm) O.D.
  - Part # 527793CLR

- **Pole Basics**

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### Pole Basics

**Internal Slip Fitter/Hand-Hole Covers/Pole Caps**

**SQI (no drilling)**

**Internal Slip Fitter Bracket**

U.S. Patent # 5,599,094

BKA (4ISF, 5ISF) (D90, D180) CLR for 5” (127mm) traditional drill pattern

BKA (X4ISF, X5ISF) (D90, D180) CLR for 3” (76mm) reduced drill pattern

Utilize to retrofit existing 4” (102mm) × 5” (127mm) square poles.

Use with 4” (102mm) × 5” (127mm) SQI poles with wall thickness of 11 ga. (0.120) or 7 ga. (0.180).

D180 slipfitters come with (1) set of plugs

Q90 slipfitters come with (2) sets of plugs

* Do not use on round tapered or round poles

Use with 5” traditional drill pattern fixtures

BKA 4ISF D180 * CLR PART# 122625CLR

BKA 4ISF Q90 * CLR PART# 122626CLR

BKA 5ISF D180 * CLR PART# 122627CLR

BKA 5ISF Q90 * CLR PART# 122628CLR

Use with 3” traditional drill pattern fixtures

BKA X4ISF D180 * CLR PART# 415635CLR

BKA X4ISF Q90 * CLR PART# 440949CLR

BKA X5ISF D180 * CLR PART# 417508CLR

BKA X5ISF Q90 * CLR PART# 443447CLR

**Hand-Hole Cover Kits with Gasket and 2 Screws - Steel Poles Only**

**Part #340693CLR**

Used on all square steel poles and all round steel poles 18’-0” (5.5M) and above except Round Tapered Steel.

**Part #54015**

Used on all Round Tapered Steel Poles

**Part #53066CLR**

Used on all ER2 & GFI options for all Square Steel Poles, and all Round Steel Poles 18’-0” (5.5M) and above except Round Tapered Steel. No receptacle.

**Part #53928CLR**

Used on all ER2 & GFI options for Round Tapered Steel Poles. No receptacle.

Consult factory for aluminum pole hand-hole and GFI covers

**Pole Caps - Steel Poles Only**

**ROUND TAPERED**

- 3’ 20/25 ft. Part #54018
- 3-1/2’ 30/50 ft. Part #54019
- 3-1/2’ 35/39 ft. Part #54020
- 4’ 45 ft. Part #54015

**ROUND**

- 4’ Part #54015
- 5’ Part #54016

**SQUARE**

- 4’ Part #54008
- 5’ Part #540090
- 6’ Part #54010

**BOLT-ON TN120**

for square pole

- 4’ Part #132029CLR
- 5’ Part #132030CLR

**TENON FITTER (BKA RNM)**

- Part #53480CLR

Consult factory for aluminum pole caps
Base Covers - Steel Poles - Square shaped base covers are .50 or .63 aluminum

**Square Steel Poles**
- 4" (102mm) BC
  - 11.318" (287mm) sq x 4.3" (109mm) tall with 4.125" (105mm) sq opening
  - Part #122559CLR
- 5" (127mm) BC
  - 11.318" (287mm) sq x 4.8" (122mm) tall with 5.125" (130mm) sq opening
  - Part #122561CLR
- 6" (152mm) BC
  - 12.313" (313mm) sq x 5.0" (127mm) tall with 6.125" (156mm) sq opening
  - Part #122563CLR

**Round Steel Poles**
- 4" (102mm) SRBC
  - 4.3" (109mm) tall with 4.25" (108mm) dia opening
  - Part #158450CLR
- 5" (127mm) SRBC
  - 4.8" (122mm) tall with 5.25" (133mm) dia opening
  - Part #158451CLR

**Round Tapered Steel Poles**
- 20' (6.1M) SRTB
  - 11.318" (287mm) sq x 4.8" (122mm) tall with 6.15" (156mm) dia opening
  - Part #158388CLR
- 25' (7.6M) SRTBC
  - 11.318" (287mm) sq x 4.8" (122mm) tall with 6.85" (174mm) dia opening
  - Part #158390CLR
- 30' (9.1M) SRTBC
  - 11.318" (287mm) sq x 4.8" (122mm) tall with 7.75" (194mm) dia opening
  - Part #158392CLR
- 35' (11.9M) SRTBC
  - 12.875" (327mm) sq x 5.5" (140mm) tall with 9.125" (232mm) dia opening
  - Part #15854CLR
- 45' (13.7M) SRTBC
  - 14.5" (368mm) sq x 5.875" (149mm) tall with 10.25" (260mm) dia opening
  - Part #158571CLR
- 50' (15.2M) SRTBC
  - 14.5" (368mm) sq x 5.875" (149mm) tall with 10.25" (260mm) dia opening
  - Part #158578CLR

**GBC 4 5**
Decorative two-piece die cast construction fits 4" (102mm) and 5" (127mm) diameter straight round poles. Includes 4" (102mm) round pole adaptor molded from black silicone rubber

Part #483859 CLR
Available Pole Base Covers

Square Aluminum Pole

- **Square Two-Piece Cast Base Cover** (Optional)
- **4DABC - 4” Square Cast 2-Piece Base Cove**
  13” (330mm) square x 6.31” (160mm) tall
  Part # 505605CLR
- **5DABC - 5” Square Cast 2-Piece Base Cove**
  13” (330mm) square x 6.31” (160mm) tall
  Part # 505606CLR
- **6DABC - 6” Square Cast 2-Piece Base Cove**
  14.5” (368mm) square x 7.25” (184mm) tall
  Part # 505608CLR

Round Aluminum Pole

- **One-Piece Spun Aluminum Collar** (Optional)
- **4RSAC - 4” Round 1-Piece Spun Aluminum Collar**
  11.875” (302mm) dia. x 5.5” (140mm) tall with 4.125” (105mm) opening
  Part # 506859CLR
- **5RSAC - 5” Round 1-Piece Spun Aluminum Collar**
  10.75” (273mm) dia. x 5.5” (140mm) tall with 5.125” (130mm) dia. opening
  Part # 506860CLR

Round Tapered Aluminum Pole

- **One-Piece Spun Aluminum Collar** (Optional)
- **5RSAC - Round 1-Piece Spun Aluminum Collar for RTP w/5” bottom**
  10.75” (273mm) dia. x 5.5” (140mm) tall with 5.125” (130mm) dia. opening
  Part # 50647CLR
- **6RSAC - Round 1-Piece Spun Aluminum Collar for RTP w/6” bottom**
  11.25” (336mm) dia. x 5.5” (140mm) tall with 6.125” (156mm) dia. opening
  Part # 50648CLR
- **8RSAC - Round 1-Piece Spun Aluminum Collar for RTP w/8” bottom**
  11.25” (335mm) dia. x 5.5” (140mm) tall with 8.125” (206mm) dia. opening
  Part # 50649CLR

Round Hinged Base Aluminum Pole

Base cover ships with pole as a standard

- **Aluminum 2-Piece Cast Base Cover** (Standard)
- **Round 2-Piece Cast Base Cover for 4” (102mm) and 5” (127mm) Round Hinged Base Aluminum Pole**
  15” (381mm) dia. x 6” (152mm) tall
  Part # Consult Factory
  Part # 4RHDABC
- **5RHABC - Round Hinged Base Aluminum Pole for 5” (127mm) Hinged Base**
  15” (381mm) dia. x 6” (152mm) tall
  Part # Consult Factory
  Part # 5RHDABC

GBC 4.5
Decorative two-piece die cast construction fits 4” (102mm) and 5” (127mm) diameter straight round poles. Includes 4” (102mm) round pole adapter molded from black silicone rubber
Part # 483859 CLR
Steel Pole Anchor Bolts

### 3/8" X 10" (10mm X 254mm) Galvanized Steel

- **Steel Pole Anchor Bolts**
- **3/8" X 10" (10mm X 254mm) Galvanized Steel**
- **3/4" X 30" Steel / 3/4" X 30" (19mm X 762mm) Galvanized (Partially)**
- **1" X 36" (25mm X 914mm) Steel / 1" X 36" (25mm X 914mm) Galvanized (Partially)**
- **1-1/4" X 42" (32mm X 1067mm) Galvanized (Partially)**
- **Anchor Bolt Conversion Table**

**Used with:** AB kit # 285560 Bollards 4 1/2" (114mm) BOLT CIRCLE

Each anchor bolt furnished with:
- (2) 3/8" (10mm)-16 galvanized hex nuts and
- (2) U.S.S. 3/8" (19mm) flat washers 7/16" (11mm)
- I.D. x 1" (25mm) O.D. x 0.1" (3mm) thick galvanized

**Each anchor bolt furnished with:**
- (2) 3/8" (10mm)-16 zinc plated or galvanized hex nuts and
- (2) U.S.S. 3/8" (19mm) flat washers (1 3/8" (35mm) I.D. x 3" (76mm) O.D. x 0.165" (4mm) thick) zinc plated or galvanized

**Galvanized used with:**
- AB kit # 122609 4SQ STL S07G/S07G 1" (25mm) BOLT CIRCLE
- AB kit # 122610 S07G 1" (25mm) BOLT CIRCLE
- AB kit # 122611 5SQ STL S07G 1" (25mm) BOLT CIRCLE
- AB kit # 122612 RTP STL S10G 1" (25mm) BOLT CIRCLE
- AB kit # 122613 RTP STL S10G 1" (25mm) BOLT CIRCLE
- AB kit # 122614 RTP STL S10G 1" (25mm) BOLT CIRCLE

**Each anchor bolt furnished with:**
- (2) 1" (25mm)-8 galvanized hex nuts and
- (2) U.S.S. 1" (25mm) flat washers 1 1/16" (29mm) I.D. x 2 1/2" (64mm) O.D. x 11/64" (4mm) thick - zinc plated or galvanized

**Anchor Bolt Conversion Table**

- **"A"**
  - Bolt Square
  - Bolt Circle
  - 3.19" (81mm) 4.50" (114mm)
  - 4.50" (114mm) 6.36" (162mm)
  - 5.00" (127mm) 7.00" (178mm)
  - 5.66" (144mm) 8.00" (203mm)
  - 6.50" (165mm) 9.19" (233mm)
  - 6.75" (171mm) 9.50" (241mm)
  - 7.75" (197mm) 11.00" (279mm)
  - 8.12" (206mm) 11.50" (292mm)
  - 8.50" (216mm) 12.00" (305mm)
  - 8.84" (225mm) 12.50" (318mm)
  - 9.19" (233mm) 13.00" (330mm)
  - 9.90" (251mm) 14.00" (356mm)
  - 10.25" (260mm) 14.50" (368mm)
  - 12.00" (305mm) 17.00" (432mm)

- **"B"**
  - Bolt Circle
  - 3.19" (81mm) 4.50" (114mm)
  - 4.50" (114mm) 6.36" (162mm)
  - 5.00" (127mm) 7.00" (178mm)
  - 5.66" (144mm) 8.00" (203mm)
  - 6.50" (165mm) 9.19" (233mm)
  - 6.75" (171mm) 9.50" (241mm)
  - 7.75" (197mm) 11.00" (279mm)
  - 8.12" (206mm) 11.50" (292mm)
  - 8.50" (216mm) 12.00" (305mm)
  - 8.84" (225mm) 12.50" (318mm)
  - 9.19" (233mm) 13.00" (330mm)
  - 9.90" (251mm) 14.00" (356mm)
  - 10.25" (260mm) 14.50" (368mm)
  - 12.00" (305mm) 17.00" (432mm)

**Consult factory for aluminum pole anchor bolts**

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### Pole Basics

#### Steel Pole EPAs/Wall Mount Brackets

<table>
<thead>
<tr>
<th>Steel Square Poles</th>
</tr>
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<tr>
<td><strong>Height</strong></td>
</tr>
<tr>
<td>14’ (4.3m)</td>
</tr>
<tr>
<td>16’ (4.9m)</td>
</tr>
<tr>
<td>18’ (5.5m)</td>
</tr>
<tr>
<td>20’ (6.1m)</td>
</tr>
<tr>
<td>24’ (7.3m)</td>
</tr>
<tr>
<td>26’ (7.9m)</td>
</tr>
<tr>
<td>28’ (8.5m)</td>
</tr>
<tr>
<td>30’ (9.1m)</td>
</tr>
<tr>
<td>35’ (10.7m)</td>
</tr>
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</tr>
<tr>
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<tr>
<td>24.0</td>
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#### Steel Round Tapered Poles

<table>
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<th><strong>Height</strong></th>
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<th><strong>80 MPH</strong></th>
<th><strong>90 MPH</strong></th>
<th><strong>100 MPH</strong></th>
<th><strong>Material</strong></th>
<th><strong>Bolt Circle</strong></th>
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<tr>
<td>20’ (6.1m)</td>
<td>33.6</td>
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<td>S11 Ga</td>
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<tr>
<td>30’ (9.1m)</td>
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<td>11.7</td>
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<td>35’ (10.7m)</td>
<td>30.1</td>
<td>21.1</td>
<td>14.9</td>
<td>10.5</td>
<td>S11 Ga</td>
<td>O</td>
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<td>39’ (11.9m)</td>
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<td>18.5</td>
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<td>8.4</td>
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<td>Q</td>
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<td>45’ (13.7m)</td>
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<td>S07 Ga</td>
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#### Steel Round Poles

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<thead>
<tr>
<th><strong>Height</strong></th>
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<th><strong>90 MPH</strong></th>
<th><strong>100 MPH</strong></th>
<th><strong>Outside Dimensions</strong></th>
<th><strong>Material</strong></th>
<th><strong>Bolt Circle</strong></th>
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<td>L</td>
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<tr>
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<td>10.7</td>
<td>8.0</td>
<td>6.1</td>
<td>4’ (102mm)</td>
<td>S07G</td>
<td>L</td>
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<tr>
<td>14’ (4.3m)</td>
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<td>8.4</td>
<td>6.1</td>
<td>4.5</td>
<td>4’ (102mm)</td>
<td>S07G</td>
<td>L</td>
</tr>
<tr>
<td>16’ (4.9m)</td>
<td>9.9</td>
<td>6.9</td>
<td>5.2</td>
<td>3.4</td>
<td>4’ (102mm)</td>
<td>S07G</td>
<td>L</td>
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<tr>
<td>18’ (5.5m)</td>
<td>8.6</td>
<td>5.4</td>
<td>4.3</td>
<td>3.1</td>
<td>5’ (127mm)</td>
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<td>M</td>
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<td>4.8</td>
<td>3.9</td>
<td>2.7</td>
<td>5’ (127mm)</td>
<td>S07G</td>
<td>M</td>
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<tr>
<td>22’ (6.7m)</td>
<td>6.7</td>
<td>4.4</td>
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<td>2.6</td>
<td>5’ (127mm)</td>
<td>S07G</td>
<td>M</td>
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<tr>
<td>24’ (7.3m)</td>
<td>6.3</td>
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<td>2.5</td>
<td>5’ (127mm)</td>
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<td>M</td>
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<tr>
<td>25’ (7.6m)</td>
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<td>2.3</td>
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<td>2.2</td>
<td>5’ (127mm)</td>
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<td>M</td>
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<td>2.8</td>
<td>2.4</td>
<td>2.1</td>
<td>5’ (127mm)</td>
<td>S07G</td>
<td>M</td>
</tr>
</tbody>
</table>

#### Bolt Circles

- **All LSI Lighting Systems’ poles are guaranteed to meet the EPA requirements listed. LSI Lighting Systems is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located. Caution: This guarantee does not apply if the pole/bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. LSI Lighting Systems cannot accept responsibility for harm or damage caused in these situations. Note: Pole calculations include a 13 gust factor over steady wind velocity. Example poles designed to withstand 80 MPH steady wind will withstand gusts to 104 MPH. EPAs are for locations 100 miles away from hurricane ocean lines. Consult LSI for other areas. Note: Hurricane ocean lines are the Atlantic and Gulf of Mexico coastal areas. For applications in Florida or Canada, consult factory.**

- **45’ (13.7m) and 50’ (15.2m) poles are two-piece, bottom is S07G and top is S11G.**

If luminare total weight exceeds 250 lbs (113.4kg), consult factory.

#### Wall Mount Brackets

- **BKS XBO WM * CLR - Steel**
  - Wall Mount plate for use with 3” (76mm) traditional drill pattern
- **BKS XBO WM * CLR - Steel**
  - Wall Mount plate for use with 5” (127mm) traditional drill pattern
## Pole Basics

### Aluminum Pole EPAs

#### Aluminum Square Poles

<table>
<thead>
<tr>
<th>Height</th>
<th>70 MPH</th>
<th>80 MPH</th>
<th>90 MPH</th>
<th>100 MPH</th>
<th>Outside Dimensions</th>
<th>Material Max Weight</th>
<th>Bolt Circle</th>
<th>Structure Weight</th>
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<tbody>
<tr>
<td>8' (2.4m)</td>
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<td>4” (102mm)</td>
<td>0.125</td>
<td>250</td>
<td>G</td>
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<tr>
<td>10' (3.0m)</td>
<td>169</td>
<td>13.9</td>
<td>10.5</td>
<td>8.0</td>
<td>4” (102mm)</td>
<td>0.125</td>
<td>260</td>
<td>G</td>
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<tr>
<td>12' (3.7m)</td>
<td>147</td>
<td>10.6</td>
<td>7.7</td>
<td>5.7</td>
<td>4” (102mm)</td>
<td>0.125</td>
<td>150</td>
<td>G</td>
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<tr>
<td>14' (4.3m)</td>
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<td>5.8</td>
<td>4.1</td>
<td>4” (102mm)</td>
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<td>G</td>
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<tr>
<td>16' (4.9m)</td>
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<td>3.8</td>
<td>2.6</td>
<td>4” (102mm)</td>
<td>0.125</td>
<td>200</td>
<td>G</td>
</tr>
<tr>
<td>18' (5.5m)</td>
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<td>4.8</td>
<td>3.1</td>
<td>1.9</td>
<td>4” (102mm)</td>
<td>0.125</td>
<td>200</td>
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<td>20' (6.1m)</td>
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<td>0.125</td>
<td>150</td>
<td>G</td>
</tr>
<tr>
<td>24' (7.3m)</td>
<td>41</td>
<td>2.1</td>
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<td>N/A</td>
<td>4” (102mm)</td>
<td>0.125</td>
<td>150</td>
<td>G</td>
</tr>
<tr>
<td>25' (7.6m)</td>
<td>51</td>
<td>2.1</td>
<td>1.1</td>
<td>0.9</td>
<td>4” (102mm)</td>
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<td>150</td>
<td>G</td>
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<tr>
<td>20' (6.1m)</td>
<td>73</td>
<td>4.8</td>
<td>3.1</td>
<td>1.9</td>
<td>4” (102mm)</td>
<td>0.125</td>
<td>200</td>
<td>G</td>
</tr>
<tr>
<td>25' (7.6m)</td>
<td>51</td>
<td>2.1</td>
<td>1.1</td>
<td>0.9</td>
<td>4” (102mm)</td>
<td>0.188</td>
<td>150</td>
<td>G</td>
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#### Aluminum Round Tapered Poles

<table>
<thead>
<tr>
<th>Height</th>
<th>70 MPH</th>
<th>80 MPH</th>
<th>90 MPH</th>
<th>100 MPH</th>
<th>Pole Top OD</th>
<th>Pole Bottom OD</th>
<th>Material Max Weight</th>
<th>Bolt Circle</th>
<th>Structure Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>8' (2.4m)</td>
<td>65</td>
<td>4.4</td>
<td>3.1</td>
<td>2.2</td>
<td>3.0 (76mm)</td>
<td>5.0 (127mm)</td>
<td>0.125</td>
<td>100</td>
<td>F</td>
</tr>
<tr>
<td>10' (3.0m)</td>
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<td>3.6</td>
<td>2.6</td>
<td>1.8</td>
<td>3.0 (76mm)</td>
<td>5.0 (127mm)</td>
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<td>150</td>
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<td>5.0 (127mm)</td>
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<td>5.0 (127mm)</td>
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<td>Y</td>
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<tr>
<td>25' (7.6m)</td>
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<td>0.3</td>
<td>3.0 (76mm)</td>
<td>5.0 (127mm)</td>
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<td>5.0 (127mm)</td>
<td>0.125</td>
<td>150</td>
<td>Z</td>
</tr>
</tbody>
</table>

All poles are guaranteed to meet the EPA requirements listed. Pole manufacturer is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located. CAUTION: This guarantee does not apply if the pole/bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. Pole manufacturer cannot accept responsibility for harm or damage caused in these situations.

NOTE: Pole calculations include a 13 gust factor over steady wind velocity. Example: poles designed to withstand 80 MPH steady wind will withstand gusts to 104 MPH. EPAs are for locations 100 miles away from hurricane ocean lines. Consult LSI for other areas. Note: Hurricane ocean lines are the Atlantic and Gulf of Mexico coastal areas. For applications in Canada and areas using code requirements other than AASHTO LTS-3-94 consult factory.
### Aluminum Pole EPAs

#### Pole Basics

**Aluminum Round Hinged Base Poles**

<table>
<thead>
<tr>
<th>Height (2.4m)</th>
<th>80 MPH</th>
<th>100 MPH</th>
<th>Outside Dimensions</th>
<th>Material</th>
<th>Max Weight (lbs)</th>
<th>Bolt Circle</th>
<th>Structure Weight (lbs)</th>
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</thead>
<tbody>
<tr>
<td>18’ (5.5m)</td>
<td>12.2</td>
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<td>0.125</td>
<td>F</td>
<td>41</td>
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<tr>
<td>14’ (4.3m)</td>
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<td>4.1</td>
<td>3.7</td>
<td>4” (102mm)</td>
<td>0.125</td>
<td>F</td>
<td>30</td>
</tr>
<tr>
<td>12’ (3.7m)</td>
<td>15.7</td>
<td>15.0</td>
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<td>5” (127mm)</td>
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<tr>
<td>10’ (3.0m)</td>
<td>7.6</td>
<td>7.0</td>
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<td>5” (127mm)</td>
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<td>36</td>
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<tr>
<td>8’ (2.4m)</td>
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<td>9.5</td>
<td>6.1</td>
<td>5” (127mm)</td>
<td>0.125</td>
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#### Aluminum Round Poles

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<tr>
<th>Height (2.4m)</th>
<th>80 MPH</th>
<th>100 MPH</th>
<th>Outside Dimensions</th>
<th>Material</th>
<th>Max Weight (lbs)</th>
<th>Bolt Circle</th>
<th>Structure Weight (lbs)</th>
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<td>6.0</td>
<td>4” (102mm)</td>
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<td>19</td>
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<tr>
<td>10’ (3.0m)</td>
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<td>6.7</td>
<td>4.3</td>
<td>4” (102mm)</td>
<td>0.125</td>
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<td>5.6</td>
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<td>4” (102mm)</td>
<td>0.125</td>
<td>E</td>
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<tr>
<td>14’ (4.3m)</td>
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<td>3.0</td>
<td>4” (102mm)</td>
<td>0.125</td>
<td>E</td>
<td>30</td>
</tr>
<tr>
<td>16’ (4.9m)</td>
<td>3.4</td>
<td>2.8</td>
<td>2.3</td>
<td>4” (102mm)</td>
<td>0.125</td>
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<tr>
<td>18’ (5.5m)</td>
<td>12.5</td>
<td>11.5</td>
<td>9.4</td>
<td>4” (102mm)</td>
<td>0.125</td>
<td>E</td>
<td>36</td>
</tr>
<tr>
<td>20’ (6.1m)</td>
<td>16.8</td>
<td>15.0</td>
<td>11.7</td>
<td>4” (102mm)</td>
<td>0.125</td>
<td>E</td>
<td>38</td>
</tr>
</tbody>
</table>

#### Flat Fluted Round Poles

<table>
<thead>
<tr>
<th>Height (2.4m)</th>
<th>80 MPH</th>
<th>100 MPH</th>
<th>Outside Dimensions</th>
<th>Material</th>
<th>Max Weight (lbs)</th>
<th>Bolt Circle</th>
<th>FDN3 Wt (lbs)</th>
<th>FDN3 Wt (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8’ (2.4m)</td>
<td>13.3</td>
<td>10.2</td>
<td>8.0</td>
<td>4” (102mm)</td>
<td>0.125</td>
<td>300</td>
<td>O/P</td>
<td>67</td>
</tr>
<tr>
<td>10’ (3.0m)</td>
<td>21.9</td>
<td>17.0</td>
<td>13.4</td>
<td>5” (127mm)</td>
<td>0.156</td>
<td>300</td>
<td>O/P</td>
<td>69</td>
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<tr>
<td>12’ (3.7m)</td>
<td>9.1</td>
<td>6.8</td>
<td>5.2</td>
<td>4” (102mm)</td>
<td>0.125</td>
<td>300</td>
<td>O/P</td>
<td>70</td>
</tr>
<tr>
<td>14’ (4.3m)</td>
<td>8.1</td>
<td>5.7</td>
<td>4.0</td>
<td>5” (127mm)</td>
<td>0.125</td>
<td>300</td>
<td>O/P</td>
<td>82</td>
</tr>
<tr>
<td>16’ (4.9m)</td>
<td>13.1</td>
<td>9.5</td>
<td>6.9</td>
<td>5” (127mm)</td>
<td>0.125</td>
<td>300</td>
<td>O/P</td>
<td>87</td>
</tr>
<tr>
<td>18’ (5.5m)</td>
<td>5.7</td>
<td>3.7</td>
<td>2.2</td>
<td>5” (127mm)</td>
<td>0.125</td>
<td>300</td>
<td>O/P</td>
<td>94</td>
</tr>
<tr>
<td>20’ (6.1m)</td>
<td>10.3</td>
<td>7.3</td>
<td>4.5</td>
<td>5” (127mm)</td>
<td>0.125</td>
<td>300</td>
<td>O/P</td>
<td>93</td>
</tr>
<tr>
<td>22’ (6.7m)</td>
<td>3.7</td>
<td>2.1</td>
<td>1.1</td>
<td>5” (127mm)</td>
<td>0.125</td>
<td>300</td>
<td>O/P</td>
<td>99</td>
</tr>
<tr>
<td>24’ (7.3m)</td>
<td>7.0</td>
<td>4.4</td>
<td>2.5</td>
<td>5” (127mm)</td>
<td>0.125</td>
<td>300</td>
<td>O/P</td>
<td>104</td>
</tr>
</tbody>
</table>

#### Bolt Circles

- **E EPA Round**
  - 11-1/2” (292mm) Dia Bolt Circle
  - +/- 3/4” (19mm)
  - Ø- 104MPH

- **F EPA Round**
  - 9-5/8” (244mm) Dia Bolt Circle
  - +/- 7/8” (22mm)
  - Ø- 104MPH

### All poles are guaranteed to meet the EPA requirements listed. Pole manufacturer is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located. CAUTION: This guarantee does not apply if the pole bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. Pole manufacturer cannot accept responsibility for harm or damage caused in these situations.

**NOTE:** Pole calculations include a 1.3 gust factor over steady wind velocity. Example: poles designed to withstand 80 MPH steady wind will withstand gusts to 104 MPH. EPAs are for locations 100 miles away from hurricane ocean lines. Consult LSI for other areas. Note: Hurricane ocean lines are the Atlantic and Gulf of Mexico coastal areas. For applications in Canada and areas using code requirements other than AASHTO LT5-94 consult factory.
Wind Speed Map and Pole EPAs are based on ANSI/ASCE 7-93 and AASHTO LTS-3-94. Please inform LSI if your local code requirements differ; LSI can supply calculations to your code requirements.

NOTES:
1. Values are the fastest-mile speeds at 33 ft. (10 m) above ground for exposure category C (Open terrain with scattered obstructions having heights generally less than 30 feet. This category includes flat, open country and grasslands) and are associated with an annual probability of 0.02.
2. Linear interpolation between wind speed contours is acceptable.
3. Caution in the use of wind speed contours in mountainous regions of Alaska is advised.
4. When using this map to determine EPA readings, always use high end of range.
5. EPAs are for locations 100 miles away from hurricane ocean lines. For other regions or specifications consult LSI. Note: Hurricane ocean lines are the Atlantic and the Gulf of Mexico coastal areas.
6. Fixture and pole EPA values are based on wind pressures and forces specified in ANSI/ASCE 7-93 or AASHTO LTS-3-94.
7. Local code may require wind speeds other than those shown on map.

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All LSI Industries’ poles are guaranteed to meet the EPA requirements listed. Pole manufacturer is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located. CAUTION: This guarantee does not apply if the pole/bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. LSI Industries cannot accept responsibility for harm or damage caused in these situations.

NOTE: Pole calculations include a 1.3 gust factor over steady wind velocity.

EXAMPLE: Poles designed to withstand 80 mph steady wind will withstand gusts to 104 mph. EPAs are for locations 100 miles away from hurricane ocean lines. Consult LSI for other areas. Note: hurricane ocean lines are the Atlantic and Gulf of Mexico coastal areas.
LSI Poles can be drilled for nearly any fixture (not only LSI fixtures). Of course, when you order your entire lighting system from LSI, you guarantee a precise color match between fixture, pole and brackets.

Contact Us Today to learn about how we can help you!