

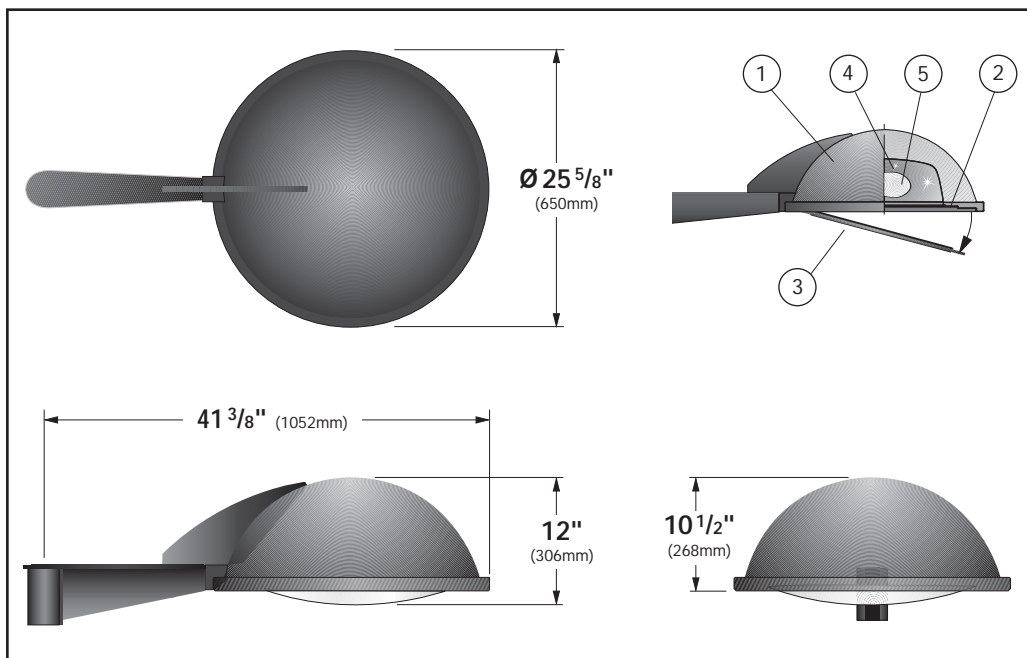


**Project:** \_\_\_\_\_

**Type:** \_\_\_\_\_ **Qty:** \_\_\_\_\_

ARC	-	-	-	-	-	-
Fixture Series	Shielding	Reflector	Mounting/ Version	Lamp Type/ Wattage	Finish	Voltage
_____	_____	_____	_____	_____	_____	_____
Pole Series	Height	Finish	Options			
_____	_____	_____	_____			

Series	Shielding	Reflector	Mounting/ Version	Lamp Type / Wattage		Finish	Voltage
ARC	L Flat Glass Lens S Sagged Glass Lens	R2 Type II Reflector	<b>TOLTEC ARM SERIES:</b>	<b>Metal Halide</b>	<b>HPS</b>	WH White BK Black BZ Bronze SV Silver SP Specify RAL#	120 208 240 277 347
			S1 Single 29" Arm Mount	H175 175w	S200 200w		
			S2 Double 29" Arm Mount	H250 250w	S250 250w		
			L1 Single 41" Arm Mount	H250 250w	S250 250w		
			L2 Double 41" Arm Mount	H400 400w	S400 400w		
			<b>SPANNER ARM SERIES:</b>				
			AS1 Single 48" Arm Mount				
			AS2 Double 48" Arm Mount				
			AL1 Single 96" Arm Mount				
			<b>GLADIATOR ARM SERIES:</b>				
			BS1 Single 48" Arm Mount				
			BS2 Double 48" Arm Mount				
			BL1 Single 96" Arm Mount				
			<b>DIRECT MOUNT:</b>				
			DM1 Single 21" Direct Mount				



**7. Diffuser** - Clear, tempered glass with minimum wall thickness of 1/8" (3.17mm) either Flat or Sagged glass lens.

**8. Socket** - 4KV Pulse rated porcelain mogul base socket for lamps up to 400w. Socket is pre-wired to ballast at factory.

**Exterior Luminaire Finish** - SELUX utilizes a high quality Polyester Powder Coating. All SELUX luminaires and poles undergo a five stage intensive pretreatment process whereby product is thoroughly cleaned, phosphated and sealed. SELUX powder coated products provide excellent salt and humidity resistance as well as ultra violet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI.

Standard exterior colors are White (WH), Black (BK), Bronze (BZ), and Silver (SV). RAL colors (SP) are available, please specify RAL#.

**Union Made**  
**Affiliated with**  
**IBEW Local 363**

In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at [www.selux.com/usa](http://www.selux.com/usa) are the most recent versions and supersede all other printed or electronic versions.



**1. Fixture Housing** - Formed aluminum houses sealed optics and ballast.

**2. Gasketing** - Continuous molded silicone gasket provides weatherproofing, dust and insect control at all fixture connections.

**3. Access Door** - Formed aluminum door secures lens. Hinges open and retained in place with three quarter-turn captive fasteners.

**4. Reflector** - Electropolished and anodized aluminum reflector, producing asymmetrical light distribution.

**5. Lamp** - One coated, mogul base, ED-28 metal halide or ED-18 high pressure sodium up to 400w. Lamp provided by others.

**6. Ballast** - A high power factor, open core and coil ballast regulates voltage for H.I.D. lamp. Mounted to removable tray for ease of servicing. Consult factory for detailed ballast information.

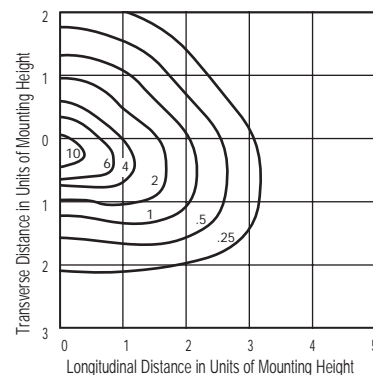
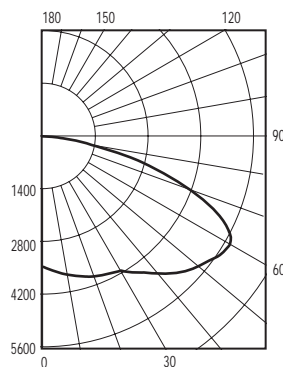
SELUX Corp. © 2002  
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 Web Site: [www.selux.com/usa](http://www.selux.com/usa)  
 ARC-1203-01 (SS-v2.42)

## Photometry

Catalog # ARC-S-R2-1-H250  
Report # LSI 15414

- Precision formed aluminum reflector with specular kick reflectors to precisely control distribution.
- Ideal for applications demanding maximum spacing.
- Maximum candela of 5756 at 60° from vertical.
- IES classification - Type II Cutoff\*

\* Fixture is Full Cutoff with "L" Flat Glass option

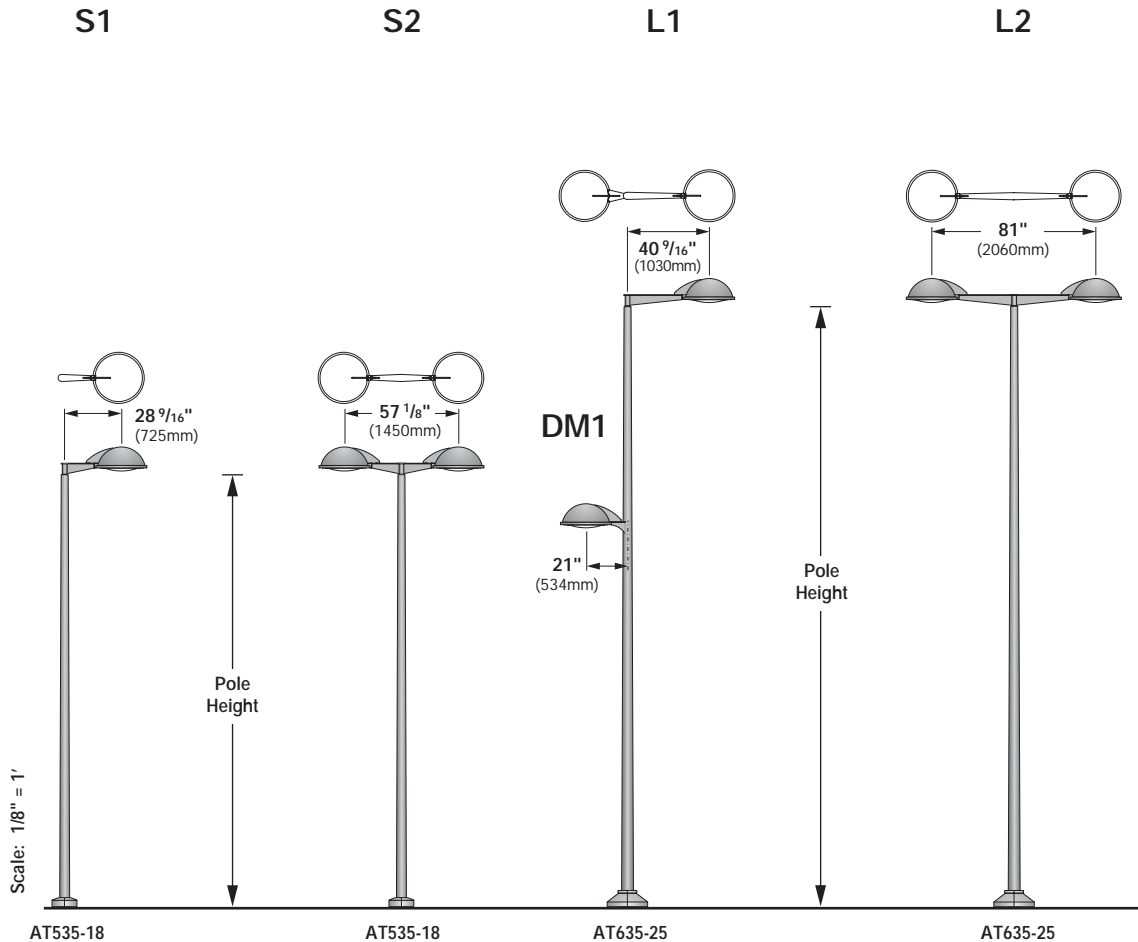


HID Lamp Prorate Table					
High Pressure Sodium			Metal Halide		
Wattage	Factor	Initial Lumens	Wattage	Factor	Initial Lumens
100	0.43	8800	100	0.38	7800
150	0.71	14500	150	0.61	12500
200	1.07	22000	175	0.68	14000
250	1.39	28500	250	1.00	20500
400	2.44	50000	400	1.75	36000

Conversion Chart	
Values based on 18' mounting height.	
Mounting Height	Multiply
14'	1.65
16'	1.27
18'	1.00
20'	0.81
25'	0.52
30'	0.36
35'	0.26

## Mounting

### Toltec Arm Series

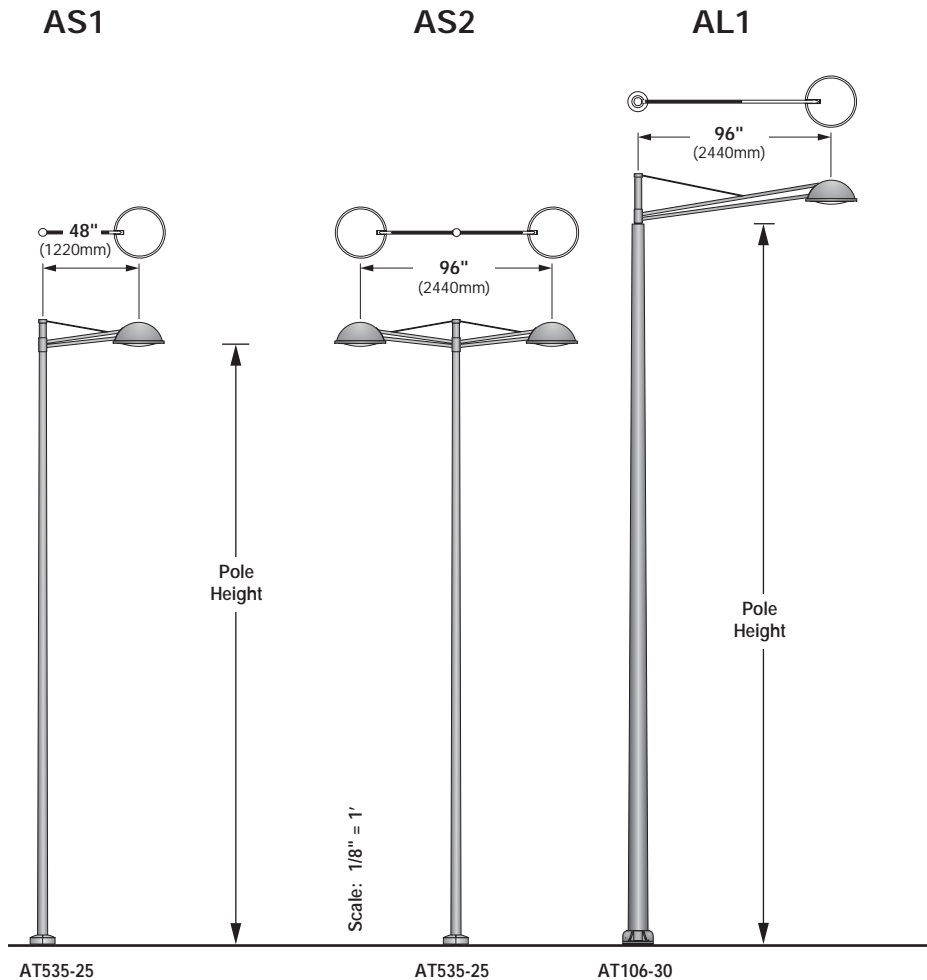


EPA / Weight of ARC-S1 (with arm) = 1.68 ft<sup>2</sup> (0.16 m<sup>2</sup>) / 45.0 lbs (20.4kg)  
 EPA / Weight of ARC-S2 (with arms) = 3.22 ft<sup>2</sup> (0.30 m<sup>2</sup>) / 87.0 lbs (39.5kg)  
 EPA / Weight of ARC-L1 (with arm) = 2.06 ft<sup>2</sup> (0.19 m<sup>2</sup>) / 47.0 lbs (21.3kg)  
 EPA/Weight of ARC-L2 (with arms) = 3.97 ft<sup>2</sup> (0.37 m<sup>2</sup>) / 91.0 lbs (41.3kg)  
 EPA / Weight of ARC-DM1 (with arm)= 1.61 ft<sup>2</sup> (0.15 m<sup>2</sup>) / 40.0 lbs (18.1kg)

Note: EPA values indicated are for Fixture Head and Arm Assembly indicated. Pole EPA is not included. See back page for pole EPA values.

## Mounting (cont.)

### Spanner Arm Series



EPA / Weight of ARC-AS1 (with arm) = 1.76 ft<sup>2</sup> (0.18 m<sup>2</sup>) / 47.0 lbs (21.3kg)

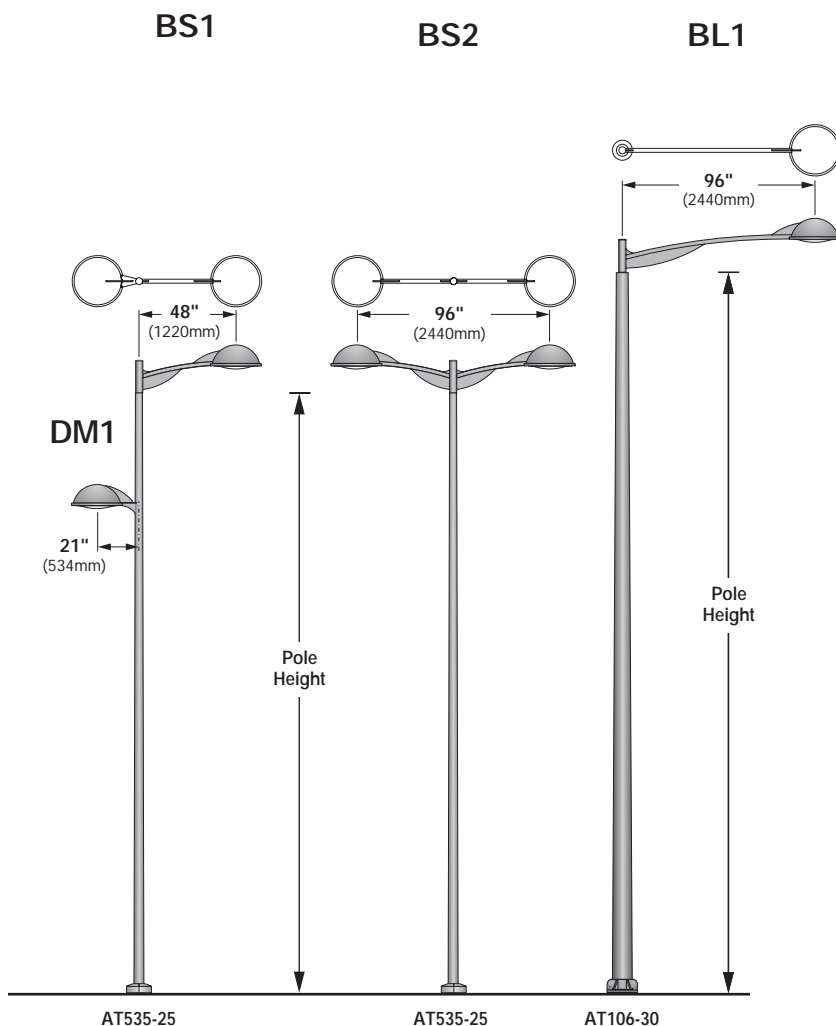
EPA / Weight of ARC-AS2 (with arms) = 3.27 ft<sup>2</sup> (0.30 m<sup>2</sup>) / 92.0 lbs (41.7kg)

EPA / Weight of ARC-AL1 (with arm) = 2.41 ft<sup>2</sup> (0.22 m<sup>2</sup>) / 59.0 lbs (26.8kg)

Note: EPA values indicated are for Fixture Head and Arm Assembly indicated. Pole EPA is not included. See back page for pole EPA values.

## Mounting (cont.)

### Gladiator Arm Series



EPA / Weight of ARC-BS1 (with arm) = 2.61 ft<sup>2</sup> (0.24 m<sup>2</sup>) / 50.0 lbs (22.7kg)

EPA / Weight of ARC-BS2 (with arms) = 4.97 ft<sup>2</sup> (0.46 m<sup>2</sup>) / 94.0 lbs (42.6kg)

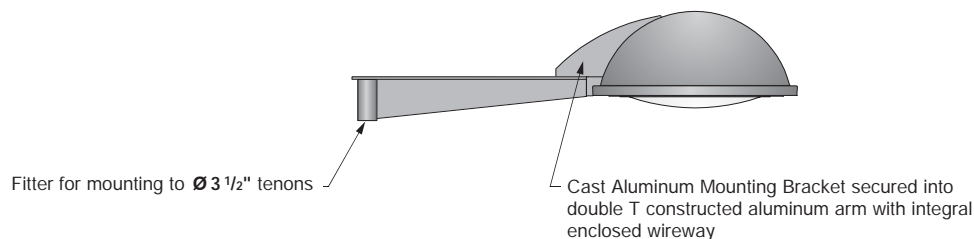
EPA / Weight of ARC-DM1 (with arm) = 1.61 ft<sup>2</sup> (0.15 m<sup>2</sup>) / 40.0 lbs (18.1kg)

EPA / Weight of ARC-BL1 (with arm) = 3.76 ft<sup>2</sup> (0.35 m<sup>2</sup>) / 61.0 lbs (27.7kg)

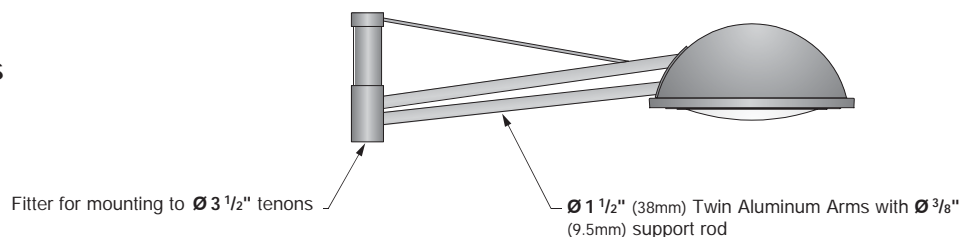
Note: EPA values indicated are for Fixture Head and Arm Assembly indicated. Pole EPA is not included. See back page for pole EPA values.

## Arm Construction Details

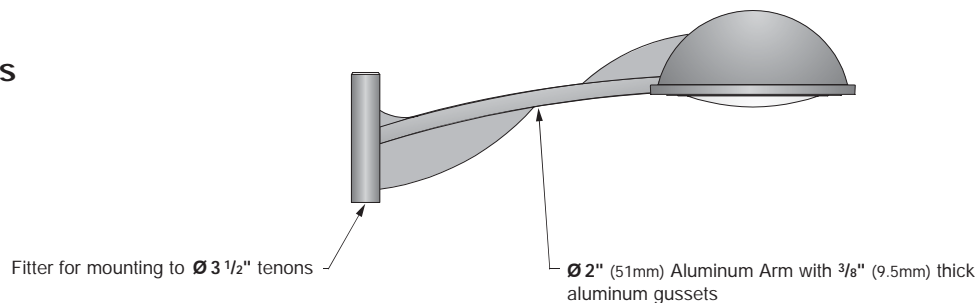
### Toltec Arm Series (L1 shown)



### Spanner Arm Series (AS1 shown)

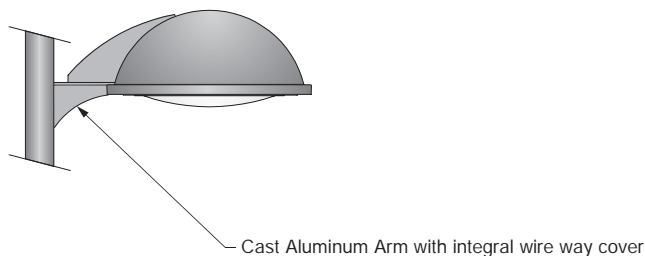
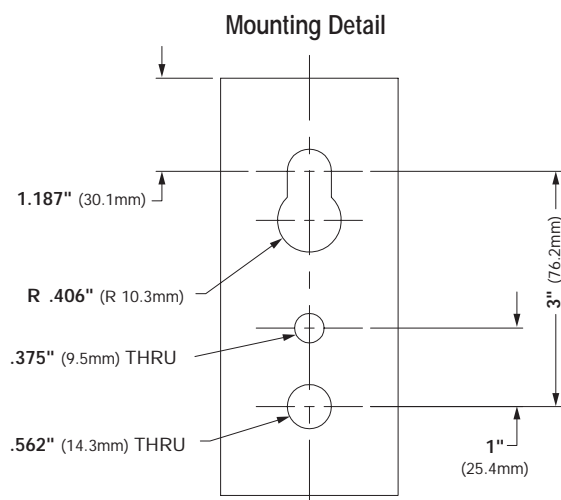


### Gladiator Arm Series (BS1 shown)



### Direct Mount Mounting (DM1)

For side mounting to pole.



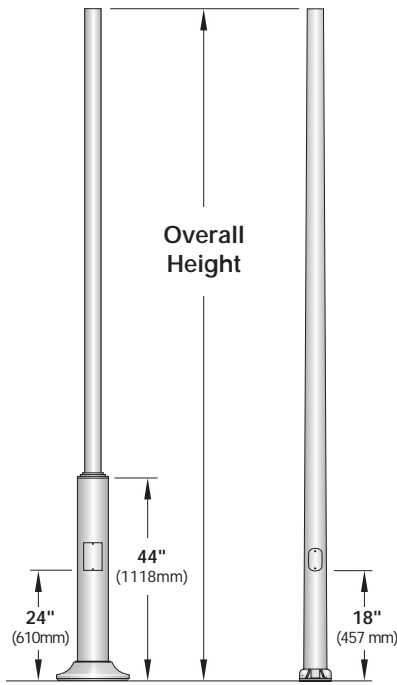
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## Pole Information

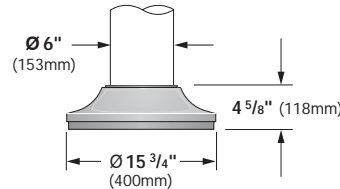
Refer to S635, AT535/635, AT64/74, or AT106 Pole specification sheets for construction details, anchorage information and additional options.

**S635**  
Round Stepped  
Steel Pole

**AT535 / 635 / 64 / 74 / 106**  
Tapered Aluminum  
Poles

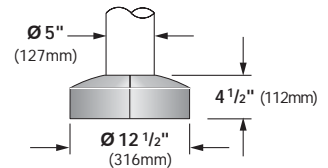


**Stepped Steel Pole (S635)**  
**BC6 Standard Base Cover**  
One-piece cast aluminum

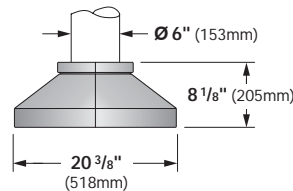


**BC3 Optional Base Cover**  
**(AT 535)**

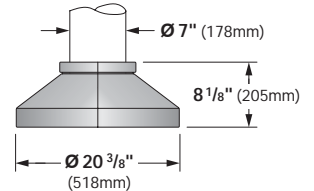
Die cast aluminum, two-piece  
field installable base cover.



**BC9 Optional Base Cover (AT 635/AT64)**  
Die cast aluminum, two-piece  
field installable base cover.



**BC10 Optional Base Cover (AT74)**  
Die cast aluminum, two-piece  
field installable base cover.



Pole Series	Bolt Circle	EPA Information (ft <sup>2</sup> )					Height	Finish	Options
		70 mph	80 mph	90 mph	100 mph	110 mph			
<b>S635</b> 3 1/2" Diameter Stepped Steel Pole	9"	21.7	15.8	12.3	9.6	7.6	16 16 ft.	<b>WH</b> White	<b>BC3</b> Optional Two-Piece Cast Aluminum Base Cover (for AT535 poles only)
<b>AT535</b> 5" to 3 1/2" Tapered Aluminum Pole	8 1/2"	10.7	7.7	5.6	4.2	3.3		<b>BK</b> Black	
<b>AT64</b> 6" to 4" Dia. Tapered Aluminum Pole	9 1/2"	19.0	14.1	10.8	8.6	7.0		<b>BZ</b> Bronze	
<b>AT535</b> 5" to 3 1/2" Tapered Aluminum Pole	8 1/2"	11.1	7.8	5.6	4.2	3.2	18 18 ft.	<b>SV</b> Silver	<b>BC9</b> Optional Two-Piece Cast Aluminum Base Cover (AT635/AT64 poles only)
<b>S635</b> 3 1/2" Diameter Stepped Steel Pole	9"	18.8	13.6	10.4	8.1	6.3		<b>SP</b> Specify RAL#	
<b>AT64</b> 6" to 4" Dia. Tapered Aluminum Pole	9 1/2"	15.7	11.5	8.7	6.9	5.5			
<b>AT74</b> 7" to 4" Dia. Tapered Aluminum Pole	10 1/2"	23.2	17.2	13.3	10.6	8.6			<b>BC10</b> Optional Two-Piece Cast Aluminum Base Cover (for AT74 poles only)
<b>AT535</b> 5" to 3 1/2" Tapered Aluminum Pole	8 1/2"	9.4	6.4	4.5	3.2	2.4	20 20 ft.		
<b>S635</b> 3 1/2" Diameter Stepped Steel Pole	9"	16.5	11.8	8.9	6.8	5.2			
<b>AT64</b> 6" to 4" Dia. Tapered Aluminum Pole	9 1/2"	13.5	9.6	7.1	5.6	4.4			<b>REC</b> GFCI Receptacle with weather proof cover*
<b>AT74</b> 7" to 4" Dia. Tapered Aluminum Pole	10 1/2"	20.3	15.0	11.4	9.0	7.3			
<b>AT635</b> 6" to 3 1/2" Tapered Aluminum Pole	9 3/4"	10.4	7.0	4.8	3.4	2.6	25 25 ft.		
<b>AT74</b> 7" to 4" Dia. Tapered Aluminum Pole	10 1/2"	13.4	9.5	7.0	5.4	4.2			<b>PC</b> Photocell
<b>AT106</b> 10" to 6" Dia. Tapered Aluminum Pole	15 1/4"	35.4	26.6	20.6	16.3	13.0			
<b>AT106</b> 10" to 6" Dia. Tapered Aluminum Pole	15 1/4"	26.8	20.0	15.3	11.7	9.2	30 30 ft.		

Other pole configurations available, consult factory.

EPA Calculations allow for 1.3 Gust Factor

See Mounting Pages for Fixture/Arm Weights and EPA info.