

Arc[®] Mini

selux



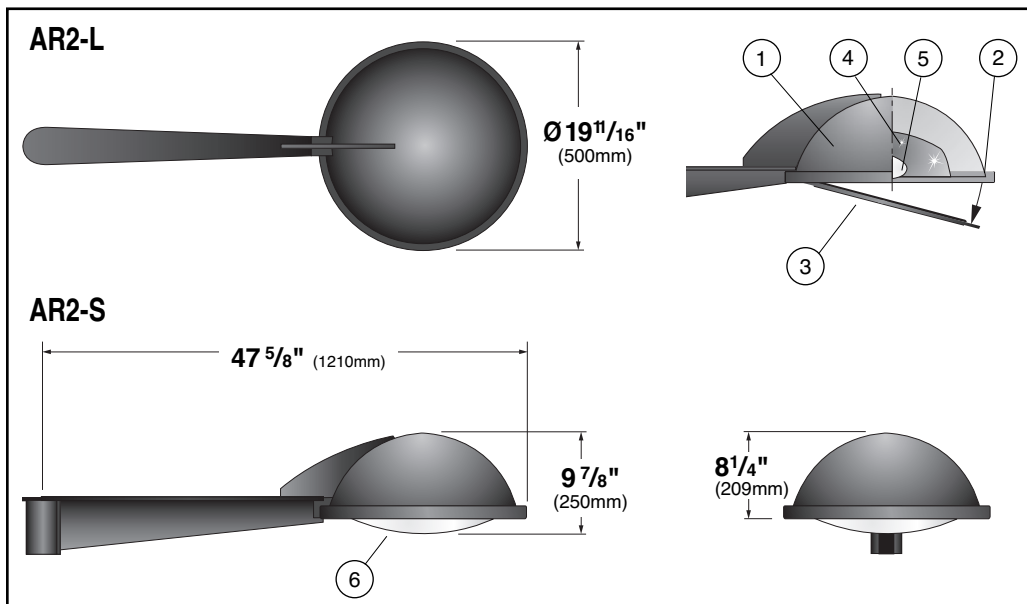
Project: _____

Type: _____ **Qty:** _____

AR2 - R2 - - - - -
 Series Optics Reflector Mounting Lamping Finish Voltage Options

- - - - -
 Pole Height Finish Options
 Series

Series	Optics	Reflector	Mounting	Lamping	Finish	Voltage	Options
AR2 Arc Mini	L Flat Glass Lens S Sagged Glass Lens	R2 Type II Distribution	Toltec Arm Series: S1 Single 29" Arm Mount S2 Double 29" Arm Mount L1 Single 41" Arm Mount L2 Double 41" Arm Mount Spanner Arm Series: AS1 Single 48" Arm Mount AS2 Double 48" Arm Mount AL1 Single 96" Arm Mount Direct Mount: DM1 Single 21" Direct Mount	Metal Halide H050 ¹ 50w H070 70w H100 100w H150 150w HPS S050 ¹ 50w S070 70w S100 100w S150 ² 150w	WH White BK Black BZ Bronze SV Silver SP Specify Premium Color	120 208 240 277 347	PC Photocell FS ¹ Single Fusing
						¹ Not available with 347V ² 55v lamp only	



7. Ballast - A high efficiency, pulse start, 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.

8. Socket - 4KV Pulse rated porcelain medium base socket for lamps up to 150W. Socket is pre-wired to ballast at factory.

Exterior Luminaire Finish - Selux utilizes a high quality Polyester Powder Coating. All Selux luminaires and poles are finished in our Tiger Drylac certified facility and undergo a five stage intensive pretreatment process where 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). Selux premium colors (SP) are available, please specify from your Selux color selection guide. Hot Dip Galvanized finish (GV) on all steel parts also available.

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 two quarter-turn captive fasteners.

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

5. Lamp - One clear, ED17 medium base metal halide or high

pressure sodium up to 150w. Lamp provided by others.

6. Shielding - Clear, tempered glass with minimum wall thickness of 1/8" (3.17mm). Specify Flat Glass Lens (L) or Sagged Glass Lens (S, shown). Fixture with tempered Flat Glass Lens (AR2-L) is IDA-Approved™ dark sky friendly.

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 TEL (845) 834-1400
 FAX (845) 834-1401
 www.selux.us
 AR2-0213-01 (ss-V2.92)

NRTL Listed (i.e. UL, CSA)

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.us are the most recent versions and supercede all other printed or electronic versions.

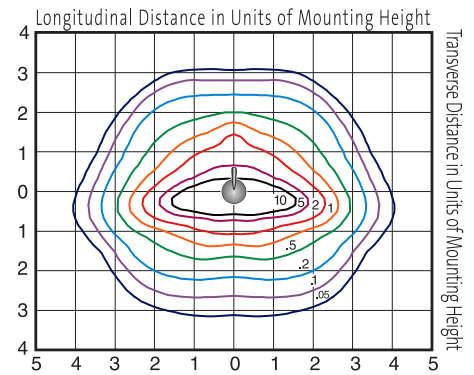
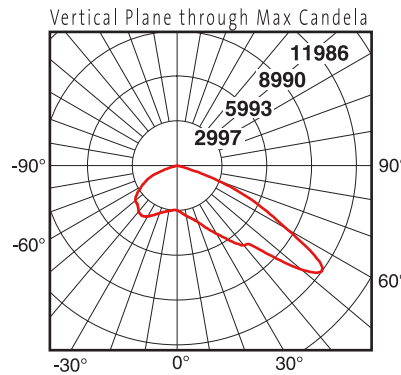
Photometry

Flat Glass Lens / 150w MH

Catalog # AR2-L-R2-1-H150
Report # LTL-14358

- Precision formed aluminum reflector with specular "kick" reflectors to precisely control distribution.
- Maximum candela of 11986 at 54° from vertical.
- IES classification - Type I Full Cutoff.
- IDA-Approved™ dark sky friendly.

DOWNLOAD IES FILE:
http://www.selux.us/fileadmin/us/exterior/ies_file/AR2_IES.zip

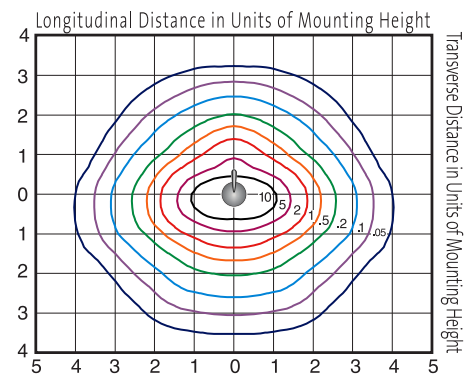
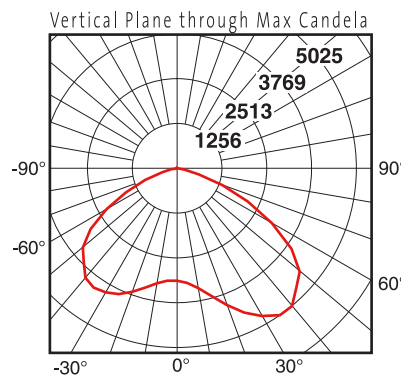


Sagged Glass Lens / 150w MH

Catalog # AR2-S-R2-1-H150
Report # SX-24910B

- Precision formed aluminum reflector with specular "kick" reflectors to precisely control distribution.
- Maximum candela of 5025 at 40° from vertical.
- IES classification - Type I Cutoff

DOWNLOAD IES FILE:
http://www.selux.us/fileadmin/us/exterior/ies_file/AR2_IES.zip

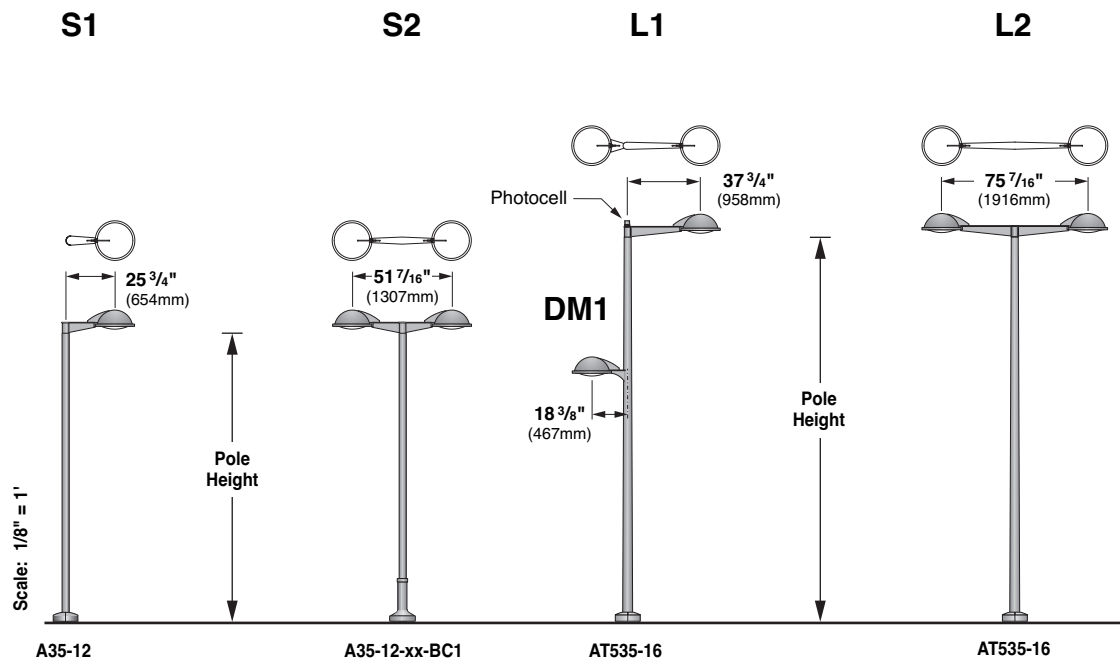


HID Lamp Prorate Table					
High Pressure Sodium			Metal Halide		
Wattage	Factor	Initial Lumens	Wattage	Factor	Initial Lumens
50	0.28	4000	50	0.24	3400
70	0.45	6400	70	0.39	5500
100	0.67	9500	100	0.64	9000
150	1.02	14400	150	1.00	14000

Conversion Chart	
Values based on 12' mounting height.	
Mounting Height	Multiply
10'	1.09
12'	1.00
14'	0.92
16'	0.87
18'	0.82

Mounting

Toltec Arm Series

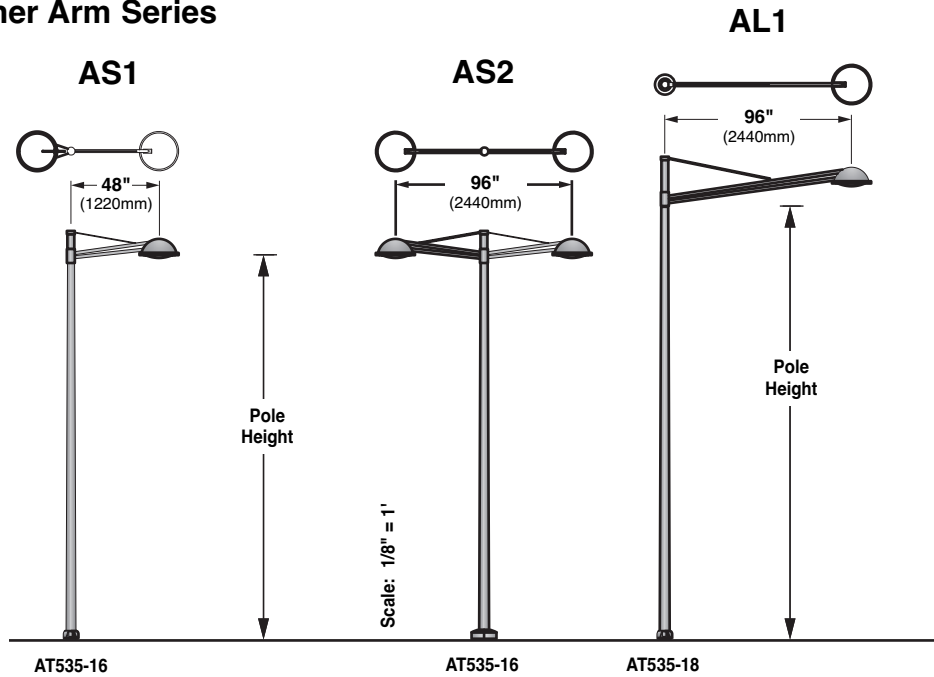


- EPA / Weight of AR2-S1 (with arm) = 1.01 ft² (0.09m²) / 39 lbs (17.7kg)
- EPA / Weight of AR2-S2 (with arms) = 1.88 ft² (0.17m²) / 75 lbs (34.0kg)
- EPA / Weight of AR2-L1 (with arm) = 1.39 ft² (0.13m²) / 41 lbs (18.6kg)
- EPA / Weight of AR2-L2 (with arms) = 2.63 ft² (0.24m²) / 79 lbs (35.8kg)
- EPA / Weight of AR2-DM1 (with arm) = 0.94 ft² (0.09m²) / 34 lbs (15.5kg)

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

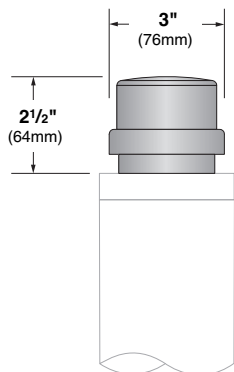


EPA / Weight of AR2-AS1 (with arm) = 1.09 ft² (0.10m²) / 41 lbs (18.6kg)
 EPA / Weight of AR2-AS2 (with arms) = 1.93 ft² (0.18m²) / 80 lbs (36.4kg)
 EPA / Weight of AR2-AL1 (with arm) = 1.74 ft² (0.16m²) / 53 lbs (24.1kg)

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

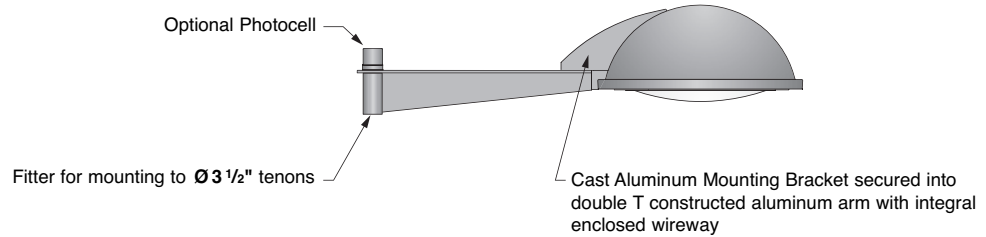
PC (Photocell) Detail

Note: Photocell is available for all pole and arm mounting configurations except Direct Mount.

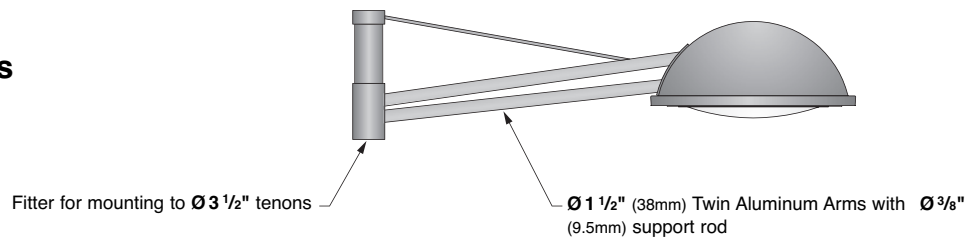


Arm Construction Details

Toltec Arm Series (L1 shown)

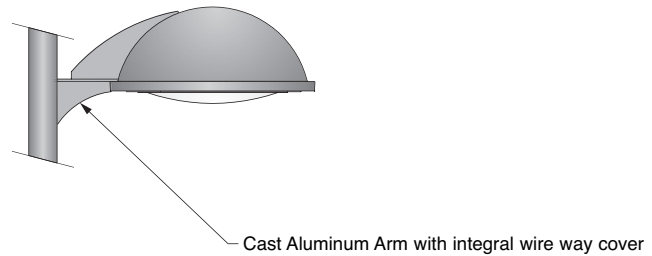


Spanner Arm Series (AS1 shown)

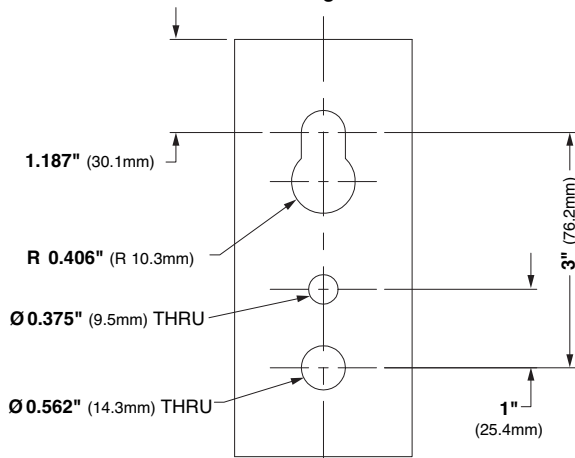


Direct Mount Mounting (DM1)

For side mounting to pole.

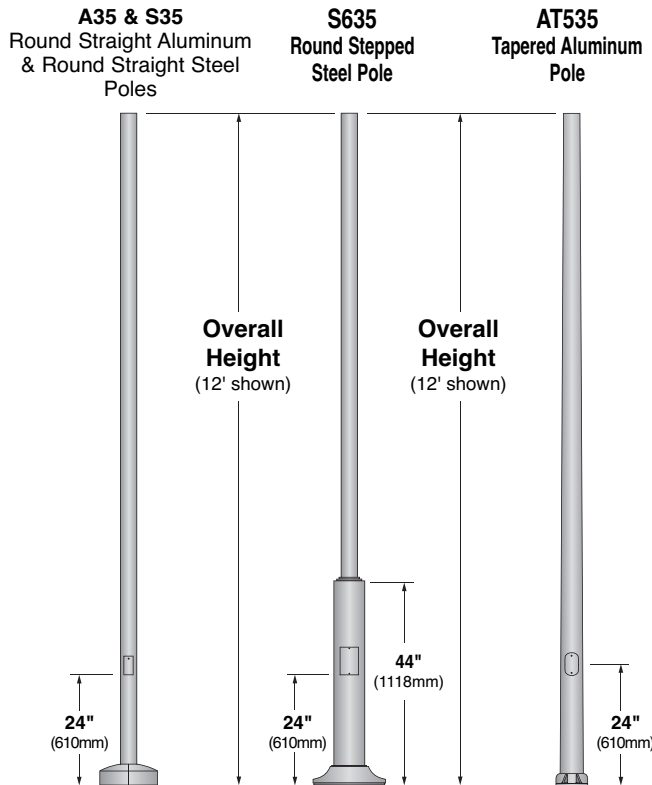


Mounting Detail

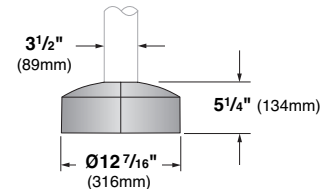


Pole Information

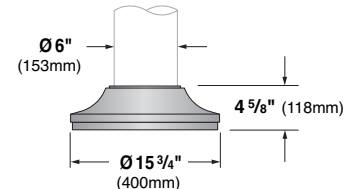
Refer to A35, S635, S35, or AT535-AT635 Pole specification sheets for construction details, anchorage information and additional options.



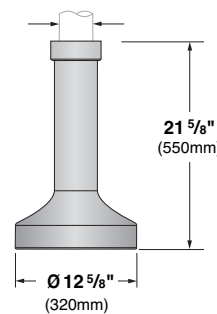
Straight Poles (A35 & S35)
BC5 Standard Base Cover
 Two-piece cast aluminum



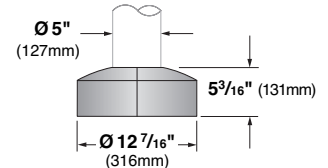
Stepped Steel Pole (S635)
BC6 Standard Base Cover
 One-piece cast aluminum



BC1 Optional Base Cover (A35 & S35)
 One-piece cast aluminum



BC3 Optional Base Cover (AT535)
 Two-piece cast aluminum



Pole Series	Bolt Circle	EPA Information (ft ²)					Height	Finish	Options
		70 mph	80 mph	90 mph	100 mph	110 mph			
S635 3 1/2" Diameter Stepped Steel Pole	9"	45.6	35.0	27.3	21.6	17.8	10 10 ft.	WH White BK Black BZ Bronze SV Silver SP Specify Premium Color	BC1 Decorative Cast Aluminum Base Cover (for A35 & S35 poles only) BC3 Optional Two-Piece Cast Aluminum Base Cover (AT535 poles only) REC GFCI Receptacle with weather-proof cover* For Photocell option, see p.1 * Weatherproof cover intended for portable tools or other portable equipment connected to the outlet only when attended. For other requirements please consult factory.
A35 3 1/2" Diameter Straight Aluminum Pole	7 3/4"	12.4	9.3	7.1	5.4	4.3			
S35 3 1/2" Diameter Straight Steel Pole	7 3/4"	11.4	8.6	6.5	4.9	3.9			
S635 3 1/2" Diameter Stepped Steel Pole	9"	37.6	28.7	22.3	17.5	14.4	12 12 ft.	WH White BK Black BZ Bronze SV Silver SP Specify Premium Color	BC1 Decorative Cast Aluminum Base Cover (for A35 & S35 poles only) BC3 Optional Two-Piece Cast Aluminum Base Cover (AT535 poles only) REC GFCI Receptacle with weather-proof cover* For Photocell option, see p.1 * Weatherproof cover intended for portable tools or other portable equipment connected to the outlet only when attended. For other requirements please consult factory.
A35 3 1/2" Diameter Straight Aluminum Pole	7 3/4"	9.9	7.3	5.4	4.0	3.1			
S35 3 1/2" Diameter Straight Steel Pole	7 3/4"	9.1	6.7	4.9	3.6	2.8			
AT535 5" to 3 1/2" Tapered Aluminum Pole	8 1/2"	19.4	14.4	10.9	8.6	6.9	14 14 ft.	WH White BK Black BZ Bronze SV Silver SP Specify Premium Color	BC1 Decorative Cast Aluminum Base Cover (for A35 & S35 poles only) BC3 Optional Two-Piece Cast Aluminum Base Cover (AT535 poles only) REC GFCI Receptacle with weather-proof cover* For Photocell option, see p.1 * Weatherproof cover intended for portable tools or other portable equipment connected to the outlet only when attended. For other requirements please consult factory.
S635 3 1/2" Diameter Stepped Steel Pole	9"	31.7	24.2	18.6	14.6	11.9			
A35 3 1/2" Diameter Straight Aluminum Pole	7 3/4"	8.0	5.8	4.2	3.0	2.2			
S35 3 1/2" Diameter Straight Steel Pole	7 3/4"	7.3	5.3	3.8	2.7	1.9	16 16 ft.	WH White BK Black BZ Bronze SV Silver SP Specify Premium Color	BC1 Decorative Cast Aluminum Base Cover (for A35 & S35 poles only) BC3 Optional Two-Piece Cast Aluminum Base Cover (AT535 poles only) REC GFCI Receptacle with weather-proof cover* For Photocell option, see p.1 * Weatherproof cover intended for portable tools or other portable equipment connected to the outlet only when attended. For other requirements please consult factory.
AT535 5" to 3 1/2" Tapered Aluminum Pole	8 1/2"	12.9	9.4	7.1	5.5	4.4			
S635 3 1/2" Diameter Stepped Steel Pole	9"	21.7	15.8	12.3	9.6	7.6			
A35 3 1/2" Diameter Straight Aluminum Pole	7 3/4"	4.9	3.2	2.2	1.4	0.8	18 18 ft.	WH White BK Black BZ Bronze SV Silver SP Specify Premium Color	BC1 Decorative Cast Aluminum Base Cover (for A35 & S35 poles only) BC3 Optional Two-Piece Cast Aluminum Base Cover (AT535 poles only) REC GFCI Receptacle with weather-proof cover* For Photocell option, see p.1 * Weatherproof cover intended for portable tools or other portable equipment connected to the outlet only when attended. For other requirements please consult factory.
S35 3 1/2" Diameter Straight Steel Pole	7 3/4"	4.4	2.8	1.9	1.2	0.6			
AT535 5" to 3 1/2" Tapered Aluminum Pole	8 1/2"	10.7	7.7	5.6	4.2	3.3			
AT535 5" to 3 1/2" Tapered Aluminum Pole	8 1/2"	11.1	7.8	5.6	4.2	3.2	18 18 ft.		

Other pole configurations available, consult factory.

EPA Calculations allow for 1.3 Gust Factor