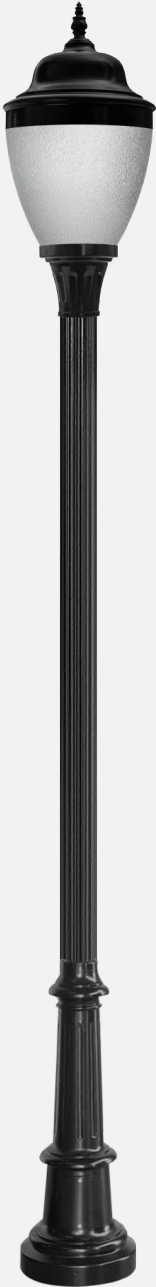


## AGB2 Series

Traditional Post Top Luminaire



### SPECIFICATIONS

#### Post Top

Height: 34" Width: 16"

#### Globe

Acrylic globe. High impact strength, UV stabilized, and shatterproof material.

#### Casting

Cast Aluminum Globeholder and base with super durable powder coat finish.

#### Post Top EPA

1.409 (ft<sup>2</sup>)

#### Fasteners

Stainless Steel Fasteners Standard

#### Mounting

Post-top is secured to pole/tenon with 4x stainless steel set screws. All lighting bases and poles are surface mount and include a template and anchor bolts.

#### Pole

Fits all Brandon Industries 3" and 4" poles. Fits all 5" poles with a tenon. The overall height is dependent on base selection. Refer to Base and Pole chart for exact heights.

#### Finish

Finished with Super Durable Tiger Drylac Powder Coat. TIGER Drylac Series 38 complies with AAMA 2604\*. TIGER Drylac Series 38 are weather and UV resistant and can withstand long exposure to harsh environments.

#### Warranty

LED Components - 5 Years  
 Aluminum Castings - 1 Year

### ORDERING

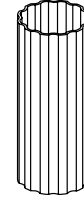
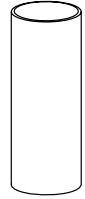
CL1-0-F-AGB2-CC-18W-3000K-V-BK-P

| BASE SERIES                   | POLE HEIGHT *                     | POLE   | POST TOP   |   |
|-------------------------------|-----------------------------------|--|--|---|
| SEE PAGE 2 FOR BASE DETAILS   | SEE PAGE 2 FOR EXACT POLE HEIGHTS | F Fluted<br>S Smooth                                 | <b>AGB2</b>  |   |
| <b>CL1</b>                    | <b>0</b>                          |  |  |   |
| <b>CL2</b>                    | <b>1</b>                          |  |  |   |
| <b>CL5</b>                    | <b>2</b>                          |  |  |   |
| <b>CL6</b>                    | <b>3</b>                          |  |  |   |
| <b>CL7</b>                    | <b>4</b>                          |  |  |   |
| <b>CL8</b>                    | <b>5</b>                          |  |  |   |
| LAMP TYPE                     | OPTICS                            | WATTAGE  | VOLTAGE  | CCT   |
|                               |                                   |  | <b>SV</b>  |   |
| <b>INT</b> Integrated LED     | <b>TYPE V</b>                     | <b>30W</b><br><b>50W</b>                             | <b>SV 100-277V</b>   | <b>30</b> 3000K<br><b>40</b> 4000K<br><b>50</b> 5000K |
| <b>CC</b> Removable LED Bulb  | <b>TYPE V</b>                     | <b>18W</b><br><b>27W</b><br><b>36W</b><br><b>54W</b> |  |   |
| <b>MED</b> Medium Socket Only | LEAVE BLANK                       | LEAVE BLANK  |  |   |
| <b>MOG</b> Mogul Socket Only  |                                   |  |  |   |
| FINISH                        | MOUNTING                          | OPTIONS  |  |   |
|                               | <b>POLE/TENON</b>                 |  |  |   |
| <b>BK</b> Black               |                                   | <b>PC</b> Photocell                                  | <b>HSS</b> House Side Shield   |   |
| <b>DB</b> Dark Bronze         |                                   | <b>10KV</b> Surge Protection                         | <b>HV</b> 480V   |   |
| <b>GN</b> Dark Green          |                                   | <b>20KV</b> Surge Protection                         | <b>CD</b> Custom Design  |   |
| <b>VG</b> Verde Green         |                                   | <b>DIM</b> Dimmable Driver                           | Including Color, Decorative Trims, and CCT Available.<br>Contact Factory for Pricing & Lead Times. |   |

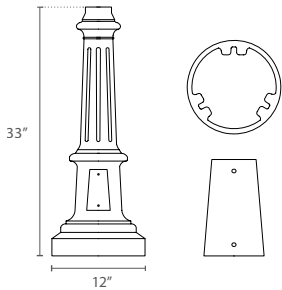
Complete Light Pole Shown Above:  
 CL10F-AGB2

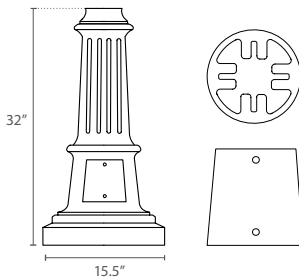
**ENERGY CHART**

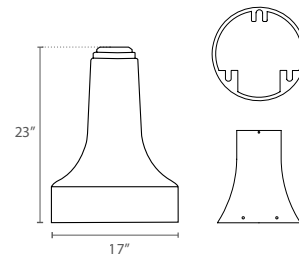
| LAMP TYPE | WATTAGE | LUMEN | LM/W    |
|-----------|---------|-------|---------|
| INT       | 30W     | 3,300 | 110lm/w |
| INT       | 50W     | 5,500 | 110lm/w |
| CC        | 18W     | 2,520 | 140lm/w |
| CC        | 27W     | 3,800 | 140lm/w |
| CC        | 36W     | 5,000 | 140lm/w |
| CC        | 54W     | 7,600 | 140lm/w |

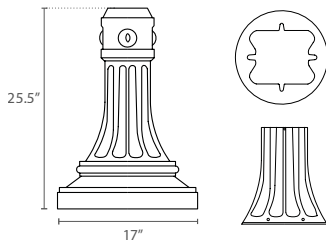
**POLE OPTIONS**

**FLUTED**

**SMOOTH**
**OVERALL COMPLETE UNIT HEIGHT**

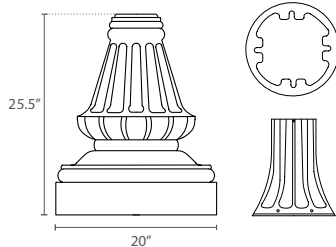
| BASE                | CL1   | CL2   | CL5   | CL6    | CL7    | CL8   |       |
|---------------------|-------|-------|-------|--------|--------|-------|-------|
| POLE DIAMETER       | 3"    | 4"    | 4"    | 4"     | 5"     | 4"    |       |
| BASE & POLE HEIGHTS | 0     | 9'4"  | 10'4" | 9'8"   | 9'10"  | 9'9"  | 9'4"  |
|                     | 1     | 10'4" | 11'4" | 10'8"  | 10'10" | 10'9" | 10'4" |
|                     | 2     | 11'4" | 12'4" | 11'8"  | 11'10" | 11'9" | 11'4" |
|                     | 3     | 12'4" | 13'4" | 12'8"  | 12'10" | 12'9" | 12'4" |
|                     | 4     | 13'4" | 14'4" | 13'8"  | 13'10" | 13'9" | 13'4" |
| 5                   | 14'4" | 15'4" | 14'8" | 14'10" | 14'9"  | 14'4" |       |

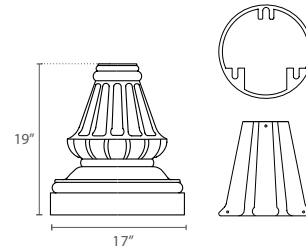
**BASE OPTIONS**

**CL1**

 Qty. (3) – 1/2" Anchor Bolts  
 Access Door – 5.5" tall x 4" wide

**CL2**

 Qty. (4) – 3/4" Anchor Bolts  
 Access Door – 5" tall x 6" wide

**CL5**

 Qty. (3) – 3/4" Anchor Bolts  
 Access Door – 9" tall x 9" wide

**CL6**

 Qty. (4) – 3/4" Anchor Bolts  
 Access Door – 9.5" tall x 11" wide

**CL7**

 Qty. (4) – 3/4" Anchor Bolts  
 Access Door – 9.5" tall x 9" wide

**CL8**

 Qty. (3) – 3/4" Anchor Bolts  
 Access Door – 7" tall x 7" wide

**EPA DATA - POLE AND BASE**

Maximum Allowable Effective Projected Area (EPA) for wind speed with 3-second gust.

| PRODUCT                | BASE   |       |     | ANCHOR |      | POLE |       |        | MAX EPA - POST TOP FIXTURE (FT <sup>2</sup> )<br>WIND SPEED - MPH |       |       |       |      |      |      |      |      |
|------------------------|--------|-------|-----|--------|------|------|-------|--------|---|-------|-------|-------|------|------|------|------|------|
|                        | H      | Hgt   | Dia | Qty    | Dia  | OD   | Wall  | Length | 105   | 110   | 120   | 130   | 140  | 150  | 160  | 170  | 180  |
| <b>CL1 FLUTED POLE</b> |        |       |     |        |      |      |       |        |   |       |       |       |      |      |      |      |      |
| CL10F                  | 9'4"   | 33"   | 12" | 3      | 1/2" | 3"   | 0.125 | 7'0"   | 4.32  | 3.87  | 3.13  | 2.56  | 2.10 | 1.74 | 1.44 | 1.19 | 0.98 |
| CL11F                  | 10'4"  | 33"   | 12" | 3      | 1/2" | 3"   | 0.125 | 8'0"   | 3.63  | 3.23  | 2.57  | 2.06  | 1.66 | 1.33 | 1.06 | 0.84 | 0.66 |
| CL12F                  | 11'4"  | 33"   | 12" | 3      | 1/2" | 3"   | 0.125 | 9'0"   | 3.05  | 2.69  | 2.10  | 1.64  | 1.27 | 0.98 | 0.74 | 0.54 | 0.37 |
| CL13F                  | 12'4"  | 33"   | 12" | 3      | 1/2" | 3"   | 0.125 | 10'0"  | 2.55  | 2.22  | 1.68  | 1.27  | 0.93 | 0.66 | 0.44 | 0.26 | 0.11 |
| CL14F                  | 13'4"  | 33"   | 12" | 3      | 1/2" | 3"   | 0.125 | 11'0"  | 2.11  | 1.81  | 1.31  | 0.93  | 0.62 | 0.38 | 0.18 | 0.01 |      |
| CL15F                  | 14'4"  | 33"   | 12" | 3      | 1/2" | 3"   | 0.125 | 12'0"  |   |       |       |       |      |      |      |      |      |
| <b>CL2 FLUTED POLE</b> |        |       |     |        |      |      |       |        |   |       |       |       |      |      |      |      |      |
| CL20F                  | 10'4"  | 32"   | 12" | 4      | 1/2" | 4"   | 0.125 | 8'0"   | 7.73  | 6.93  | 5.64  | 4.63  | 3.83 | 3.18 | 2.65 | 2.22 | 1.85 |
| CL21F                  | 11'4"  | 32"   | 12" | 4      | 1/2" | 4"   | 0.125 | 9'0"   | 6.68  | 5.96  | 4.79  | 3.88  | 3.16 | 2.57 | 2.10 | 1.70 | 1.37 |
| CL22F                  | 12'4"  | 32"   | 12" | 4      | 1/2" | 4"   | 0.125 | 10'0"  | 5.78  | 5.13  | 4.06  | 3.23  | 2.57 | 2.04 | 1.61 | 1.25 | 0.95 |
| CL23F                  | 13'4"  | 32"   | 12" | 4      | 1/2" | 4"   | 0.125 | 11'0"  | 5.00  | 4.40  | 3.42  | 2.66  | 2.05 | 1.57 | 1.17 | 0.84 | 0.56 |
| CL24F                  | 14'4"  | 32"   | 12" | 4      | 1/2" | 4"   | 0.125 | 12'0"  | 4.31  | 3.75  | 2.85  | 2.14  | 1.59 | 1.13 | 0.77 | 0.46 | 0.20 |
| CL25F                  | 15'4"  | 32"   | 12" | 4      | 1/2" | 4"   | 0.125 | 13'0"  | 3.69  | 3.17  | 2.33  | 1.68  | 1.16 | 0.74 | 0.39 | 0.11 |      |
| <b>CL5 FLUTED POLE</b> |        |       |     |        |      |      |       |        |   |       |       |       |      |      |      |      |      |
| CL50F                  | 9'8"   | 23"   | 17" | 3      | 3/4" | 4"   | 0.125 | 8'0"   | 7.63  | 6.89  | 5.60  | 4.60  | 3.80 | 3.16 | 2.63 | 2.19 | 1.83 |
| CL51F                  | 10'8"  | 23"   | 17" | 3      | 3/4" | 4"   | 0.125 | 9'0"   | 6.57  | 5.92  | 4.76  | 3.85  | 3.13 | 2.55 | 2.08 | 1.68 | 1.35 |
| CL52F                  | 11'8"  | 23"   | 17" | 3      | 3/4" | 4"   | 0.125 | 10'0"  | 5.67  | 5.10  | 4.03  | 3.21  | 2.55 | 2.02 | 1.59 | 1.23 | 0.93 |
| CL53F                  | 12'8"  | 23"   | 17" | 3      | 3/4" | 4"   | 0.125 | 11'0"  | 4.89  | 4.37  | 3.40  | 2.64  | 2.03 | 1.55 | 1.15 | 0.82 | 0.54 |
| CL54F                  | 13'8"  | 23"   | 17" | 3      | 3/4" | 4"   | 0.125 | 12'0"  | 4.20  | 3.73  | 2.83  | 2.12  | 1.57 | 1.12 | 0.75 | 0.44 | 0.19 |
| CL55F                  | 14'8"  | 23"   | 17" | 3      | 3/4" | 4"   | 0.125 | 13'0"  | 3.59  | 3.15  | 2.31  | 1.66  | 1.14 | 0.72 | 0.38 | 0.09 |      |
| <b>CL6 FLUTED POLE</b> |        |       |     |        |      |      |       |        |   |       |       |       |      |      |      |      |      |
| CL60F                  | 9'10"  | 25.5" | 17" | 4      | 3/4" | 4"   | 0.125 | 8'0"   | 7.68  | 6.89  | 5.60  | 4.60  | 3.80 | 3.16 | 2.63 | 2.19 | 1.83 |
| CL61F                  | 10'10" | 25.5" | 17" | 4      | 3/4" | 4"   | 0.125 | 9'0"   | 6.64  | 5.92  | 4.76  | 3.85  | 3.13 | 2.55 | 2.08 | 1.68 | 1.35 |
| CL62F                  | 11'10" | 25.5" | 17" | 4      | 3/4" | 4"   | 0.125 | 10'0"  | 5.74  | 5.10  | 4.03  | 3.21  | 2.55 | 2.02 | 1.59 | 1.23 | 0.93 |
| CL63F                  | 12'10" | 25.5" | 17" | 4      | 3/4" | 4"   | 0.125 | 11'0"  | 4.97  | 4.37  | 3.40  | 2.64  | 2.03 | 1.55 | 1.15 | 0.82 | 0.54 |
| CL64F                  | 13'10" | 25.5" | 17" | 4      | 3/4" | 4"   | 0.125 | 12'0"  | 4.28  | 3.73  | 2.83  | 2.12  | 1.57 | 1.12 | 0.75 | 0.44 | 0.19 |
| CL65F                  | 14'10" | 25.5" | 17" | 4      | 3/4" | 4"   | 0.125 | 13'0"  | 3.66  | 3.15  | 2.31  | 1.66  | 1.14 | 0.72 | 0.38 | 0.09 |      |
| <b>CL7 FLUTED POLE</b> |        |       |     |        |      |      |       |        |   |       |       |       |      |      |      |      |      |
| CL70F                  | 9'10"  | 24"   | 20" | 4      | 3/4" | 5"   | 0.188 | 8'0"   | 17.19   | 15.53 | 12.81 | 10.69 | 9.01 | 7.65 | 6.54 | 5.62 | 4.85 |
| CL71F                  | 10'10" | 24"   | 20" | 4      | 3/4" | 5"   | 1.188 | 9'0"   | 15.17   | 13.66 | 11.20 | 9.29  | 7.77 | 6.54 | 5.54 | 4.71 | 4.01 |
| CL72F                  | 11'10" | 24"   | 20" | 4      | 3/4" | 5"   | 2.188 | 10'0"  | 13.46   | 12.09 | 9.84  | 8.09  | 6.71 | 5.59 | 4.67 | 3.91 | 3.28 |
| CL73F                  | 12'10" | 24"   | 20" | 4      | 3/4" | 5"   | 3.188 | 11'0"  | 11.99   | 10.73 | 8.66  | 7.05  | 5.78 | 4.75 | 3.91 | 3.21 | 2.63 |
| CL74F                  | 13'10" | 24"   | 20" | 4      | 3/4" | 5"   | 4.188 | 12'0"  | 10.70   | 9.53  | 7.62  | 6.14  | 4.96 | 4.00 | 3.22 | 2.58 | 2.04 |
| CL75F                  | 14'10" | 24"   | 20" | 4      | 3/4" | 5"   | 5.188 | 13'0"  | 9.56  | 8.47  | 6.70  | 5.31  | 4.21 | 3.33 | 2.60 | 2.00 | 1.50 |
| <b>CL8 FLUTED POLE</b> |        |       |     |        |      |      |       |        |   |       |       |       |      |      |      |      |      |
| CL80F                  | 9'4"   | 19"   | 17" | 3      | 3/4" | 4"   | 0.125 | 8'0"   | 7.63  | 6.85  | 5.56  | 4.56  | 3.77 | 3.13 | 2.60 | 2.17 | 1.81 |
| CL81F                  | 10'4"  | 19"   | 17" | 3      | 3/4" | 4"   | 0.125 | 9'0"   | 6.60  | 5.89  | 4.73  | 3.82  | 3.11 | 2.53 | 2.05 | 1.66 | 1.33 |
| CL82F                  | 11'4"  | 19"   | 17" | 3      | 3/4" | 4"   | 0.125 | 10'0"  | 5.71  | 5.06  | 4.01  | 3.18  | 2.53 | 2.00 | 1.57 | 1.21 | 0.91 |
| CL83F                  | 12'4"  | 19"   | 17" | 3      | 3/4" | 4"   | 0.125 | 11'0"  | 4.94  | 4.34  | 3.37  | 2.61  | 2.01 | 1.53 | 1.13 | 0.80 | 0.53 |
| CL84F                  | 13'4"  | 19"   | 17" | 3      | 3/4" | 4"   | 0.125 | 12'0"  | 4.25  | 3.70  | 2.80  | 2.10  | 1.55 | 1.10 | 0.73 | 0.43 | 0.17 |
| CL85F                  | 14'4"  | 19"   | 17" | 3      | 3/4" | 4"   | 0.125 | 13'0"  | 3.64  | 3.13  | 2.29  | 1.64  | 1.12 | 0.70 | 0.36 | 0.08 |      |

**NOTES**

- The pole material is aluminum extrusion per ASTM B221 alloy 6005 Temper T5 (35 ksi yield strength min, 15 ksi at welds per Table A.3.5 of the Aluminum Design Manual, 2010).
- The pole is welded onto a cast aluminum base. Construction of the pole is continuous, with the exception of AB4, which requires a hand hole.
- The maximum allowable EPA for signage is derived from:
  - The maximum allowable bending stress at the welded joint between the pole and the base,
  - The maximum deflection at the top end of the pole being  $\leq 5\%$  of the exposed pole length with a 100-lb force applied at the top of pole, and
  - The projected area of pole and sign combined.
- The geometric center of the light fixture area is along the centerline of the light pole (i.e. symmetric wind loading) and centered at height, H plus half of the fixture height, above the ground.
- The fixture is defined as the structure mounted to the top of the light pole.
- The fixture height is assumed to be 38 in.
- Pole bases and anchorage are to be engineered by others.
- Reference ASCE 7-10 for wind forces. Exposure C category. Consult ASCE 7-10 for basic wind speeds in the desired site locations.
- The lights are not located near ridges, escarpments, or axisymmetric hills. Consult with an engineer for these applications.
- Local codes and standards applied by others.
- View the wind zone map of the US here: [BrandonIndustries.com/EPA-Wind/](http://BrandonIndustries.com/EPA-Wind/)

**EPA DATA - POLE AND BASE**

Maximum Allowable Effective Projected Area (EPA) for wind speed with 3-second gust.

| PRODUCT                | BASE   |       |     | ANCHOR |      | POLE |       |        | MAX EPA - POST TOP FIXTURE (FT <sup>2</sup> )<br>WIND SPEED - MPH |       |       |       |      |      |      |      |      |
|------------------------|--------|-------|-----|--------|------|------|-------|--------|---|-------|-------|-------|------|------|------|------|------|
|                        | H      | Hgt   | Dia | Qty    | Dia  | OD   | Wall  | Length | 105   | 110   | 120   | 130   | 140  | 150  | 160  | 170  | 180  |
| <b>CL1 SMOOTH POLE</b> |        |       |     |        |      |      |       |        |   |       |       |       |      |      |      |      |      |
| CL10S                  | 9'4"   | 33"   | 12" | 3      | 1/2" | 3"   | 0.125 | 7'0"   | 4.52  | 4.05  | 3.29  | 2.69  | 2.22 | 1.84 | 1.53 | 1.27 | 1.05 |
| CL11S                  | 10'4"  | 33"   | 12" | 3      | 1/2" | 3"   | 0.125 | 8'0"   | 3.81  | 3.40  | 2.71  | 2.18  | 1.76 | 1.42 | 1.14 | 0.91 | 0.72 |
| CL12S                  | 11'4"  | 33"   | 12" | 3      | 1/2" | 3"   | 0.125 | 9'0"   | 3.22  | 2.84  | 2.22  | 1.75  | 1.37 | 1.06 | 0.81 | 0.60 | 0.43 |
| CL13S                  | 12'4"  | 33"   | 12" | 3      | 1/2" | 3"   | 0.125 | 10'0"  | 2.70  | 2.36  | 1.80  | 1.36  | 1.02 | 0.74 | 0.51 | 0.32 | 0.16 |
| CL14S                  | 13'4"  | 33"   | 12" | 3      | 1/2" | 3"   | 0.125 | 11'0"  | 2.25  | 1.93  | 1.42  | 1.02  | 0.70 | 0.44 | 0.24 | 0.06 |      |
| CL15S                  | 14'4"  | 33"   | 12" | 3      | 1/2" | 3"   | 0.125 | 12'0"  |   |       |       |       |      |      |      |      |      |
| <b>CL2 SMOOTH POLE</b> |        |       |     |        |      |      |       |        |   |       |       |       |      |      |      |      |      |
| CL20F                  | 10'4"  | 32"   | 12" | 4      | 1/2" | 4"   | 0.125 | 8'0"   | 7.73  | 6.93  | 5.64  | 4.63  | 3.83 | 3.18 | 2.65 | 2.22 | 1.85 |
| CL21F                  | 11'4"  | 32"   | 12" | 4      | 1/2" | 4"   | 0.125 | 9'0"   | 6.68  | 5.96  | 4.79  | 3.88  | 3.16 | 2.57 | 2.10 | 1.70 | 1.37 |
| CL22F                  | 12'4"  | 32"   | 12" | 4      | 1/2" | 4"   | 0.125 | 10'0"  | 5.78  | 5.13  | 4.06  | 3.23  | 2.57 | 2.04 | 1.61 | 1.25 | 0.95 |
| CL23F                  | 13'4"  | 32"   | 12" | 4      | 1/2" | 4"   | 0.125 | 11'0"  | 5.00  | 4.40  | 3.42  | 2.66  | 2.05 | 1.57 | 1.17 | 0.84 | 0.56 |
| CL24F                  | 14'4"  | 32"   | 12" | 4      | 1/2" | 4"   | 0.125 | 12'0"  | 4.31  | 3.75  | 2.85  | 2.14  | 1.59 | 1.13 | 0.77 | 0.46 | 0.20 |
| CL25F                  | 15'4"  | 32"   | 12" | 4      | 1/2" | 4"   | 0.125 | 13'0"  | 3.69  | 3.17  | 2.33  | 1.68  | 1.16 | 0.74 | 0.39 | 0.11 |      |
| <b>CL5 SMOOTH POLE</b> |        |       |     |        |      |      |       |        |   |       |       |       |      |      |      |      |      |
| CL50S                  | 9'8"   | 23"   | 17" | 3      | 3/4" | 4"   | 0.125 | 8'0"   | 7.63  | 6.89  | 5.60  | 4.60  | 3.80 | 3.16 | 2.63 | 2.19 | 1.83 |
| CL51S                  | 10'8"  | 23"   | 17" | 3      | 3/4" | 4"   | 0.125 | 9'0"   | 6.57  | 5.92  | 4.76  | 3.85  | 3.13 | 2.55 | 2.08 | 1.68 | 1.35 |
| CL52S                  | 11'8"  | 23"   | 17" | 3      | 3/4" | 4"   | 0.125 | 10'0"  | 5.67  | 5.10  | 4.03  | 3.21  | 2.55 | 2.02 | 1.59 | 1.23 | 0.93 |
| CL53S                  | 12'8"  | 23"   | 17" | 3      | 3/4" | 4"   | 0.125 | 11'0"  | 4.89  | 4.37  | 3.40  | 2.64  | 2.03 | 1.55 | 1.15 | 0.82 | 0.54 |
| CL54S                  | 13'8"  | 23"   | 17" | 3      | 3/4" | 4"   | 0.125 | 12'0"  | 4.20  | 3.73  | 2.83  | 2.12  | 1.57 | 1.12 | 0.75 | 0.44 | 0.19 |
| CL55S                  | 14'8"  | 23"   | 17" | 3      | 3/4" | 4"   | 0.125 | 13'0"  | 3.59  | 3.15  | 2.31  | 1.66  | 1.14 | 0.72 | 0.38 | 0.09 |      |
| <b>CL6 SMOOTH POLE</b> |        |       |     |        |      |      |       |        |   |       |       |       |      |      |      |      |      |
| CL60S                  | 9'10"  | 25.5" | 17" | 4      | 3/4" | 4"   | 0.125 | 8'0"   | 7.68  | 6.89  | 5.60  | 4.60  | 3.80 | 3.16 | 2.63 | 2.19 | 1.83 |
| CL61S                  | 10'10" | 25.5" | 17" | 4      | 3/4" | 4"   | 0.125 | 9'0"   | 6.64  | 5.92  | 4.76  | 3.85  | 3.13 | 2.55 | 2.08 | 1.68 | 1.35 |
| CL62S                  | 11'10" | 25.5" | 17" | 4      | 3/4" | 4"   | 0.125 | 10'0"  | 5.74  | 5.10  | 4.03  | 3.21  | 2.55 | 2.02 | 1.59 | 1.23 | 0.93 |
| CL63S                  | 12'10" | 25.5" | 17" | 4      | 3/4" | 4"   | 0.125 | 11'0"  | 4.97  | 4.37  | 3.40  | 2.64  | 2.03 | 1.55 | 1.15 | 0.82 | 0.54 |
| CL64S                  | 13'10" | 25.5" | 17" | 4      | 3/4" | 4"   | 0.125 | 12'0"  | 4.28  | 3.73  | 2.83  | 2.12  | 1.57 | 1.12 | 0.75 | 0.44 | 0.19 |
| CL65S                  | 14'10" | 25.5" | 17" | 4      | 3/4" | 4"   | 0.125 | 13'0"  | 3.66  | 3.15  | 2.31  | 1.66  | 1.14 | 0.72 | 0.38 | 0.09 |      |
| <b>CL7 SMOOTH POLE</b> |        |       |     |        |      |      |       |        |   |       |       |       |      |      |      |      |      |
| CL70S                  | 9'10"  | 24"   | 20" | 4      | 3/4" | 5"   | 0.188 | 8'0"   | 17.19   | 15.53 | 12.81 | 10.69 | 9.01 | 7.65 | 6.54 | 5.62 | 4.85 |
| CL71S                  | 10'10" | 24"   | 20" | 4      | 3/4" | 5"   | 1.188 | 9'0"   | 15.17   | 13.66 | 11.20 | 9.29  | 7.77 | 6.54 | 5.54 | 4.71 | 4.01 |
| CL72S                  | 11'10" | 24"   | 20" | 4      | 3/4" | 5"   | 2.188 | 10'0"  | 13.46   | 12.09 | 9.84  | 8.09  | 6.71 | 5.59 | 4.67 | 3.91 | 3.28 |
| CL73S                  | 12'10" | 24"   | 20" | 4      | 3/4" | 5"   | 3.188 | 11'0"  | 11.99   | 10.73 | 8.66  | 7.05  | 5.78 | 4.75 | 3.91 | 3.21 | 2.63 |
| CL74S                  | 13'10" | 24"   | 20" | 4      | 3/4" | 5"   | 4.188 | 12'0"  | 10.70   | 9.53  | 7.62  | 6.14  | 4.96 | 4.00 | 3.22 | 2.58 | 2.04 |
| CL75S                  | 14'10" | 24"   | 20" | 4      | 3/4" | 5"   | 5.188 | 13'0"  | 9.56  | 8.47  | 6.70  | 5.31  | 4.21 | 3.33 | 2.60 | 2.00 | 1.50 |
| <b>CL8 SMOOTH POLE</b> |        |       |     |        |      |      |       |        |   |       |       |       |      |      |      |      |      |
| CL80S                  | 9'4"   | 19"   | 17" | 3      | 3/4" | 4"   | 0.125 | 8'0"   | 7.63  | 6.85  | 5.56  | 4.56  | 3.77 | 3.13 | 2.60 | 2.17 | 1.81 |
| CL81S                  | 10'4"  | 19"   | 17" | 3      | 3/4" | 4"   | 0.125 | 9'0"   | 6.60  | 5.89  | 4.73  | 3.82  | 3.11 | 2.53 | 2.05 | 1.66 | 1.33 |
| CL82S                  | 11'4"  | 19"   | 17" | 3      | 3/4" | 4"   | 0.125 | 10'0"  | 5.71  | 5.06  | 4.01  | 3.18  | 2.53 | 2.00 | 1.57 | 1.21 | 0.91 |
| CL83S                  | 12'4"  | 19"   | 17" | 3      | 3/4" | 4"   | 0.125 | 11'0"  | 4.94  | 4.34  | 3.37  | 2.61  | 2.01 | 1.53 | 1.13 | 0.80 | 0.53 |
| CL84S                  | 13'4"  | 19"   | 17" | 3      | 3/4" | 4"   | 0.125 | 12'0"  | 4.25  | 3.70  | 2.80  | 2.10  | 1.55 | 1.10 | 0.73 | 0.43 | 0.17 |
| CL85S                  | 14'4"  | 19"   | 17" | 3      | 3/4" | 4"   | 0.125 | 13'0"  | 3.64  | 3.13  | 2.29  | 1.64  | 1.12 | 0.70 | 0.36 | 0.08 |      |

**NOTES**

- The pole material is aluminum extrusion per ASTM B221 alloy 6005 Temper T5 (35 ksi yield strength min, 15 ksi at welds per Table A.3.5 of the Aluminum Design Manual, 2010).
- The pole is welded onto a cast aluminum base. Construction of the pole is continuous, with the exception of AB4, which requires a hand hole.
- The maximum allowable EPA for signage is derived from:
  - The maximum allowable bending stress at the welded joint between the pole and the base,
  - The maximum deflection at the top end of the pole being  $\leq 5\%$  of the exposed pole length with a 100-lb force applied at the top of pole, and
  - The projected area of pole and sign combined.
- The geometric center of the light fixture area is along the centerline of the light pole (i.e. symmetric wind loading) and centered at height, H plus half of the fixture height, above the ground.
- The fixture is defined as the structure mounted to the top of the light pole.
- The fixture height is assumed to be 38 in.
- Pole bases and anchorage are to be engineered by others.
- Reference ASCE 7-10 for wind forces. Exposure C category. Consult ASCE 7-10 for basic wind speeds in the desired site locations.
- The lights are not located near ridges, escarpments, or axisymmetric hills. Consult with an engineer for these applications.
- Local codes and standards applied by others.
- View the wind zone map of the US here: [BrandonIndustries.com/EPA-Wind/](http://BrandonIndustries.com/EPA-Wind/)