

## CL6

LUMINAIRE BASE AND POLE

### SPECIFICATIONS

#### Base

CL6 Series  
 Height: 25.5"  
 Width: 17"

#### Holder

4" OD Pole Capacity

#### Fasteners

Stainless Steel

#### Finish

Polyester Powder-Coat Electrostatically  
 Applied & Thermocured

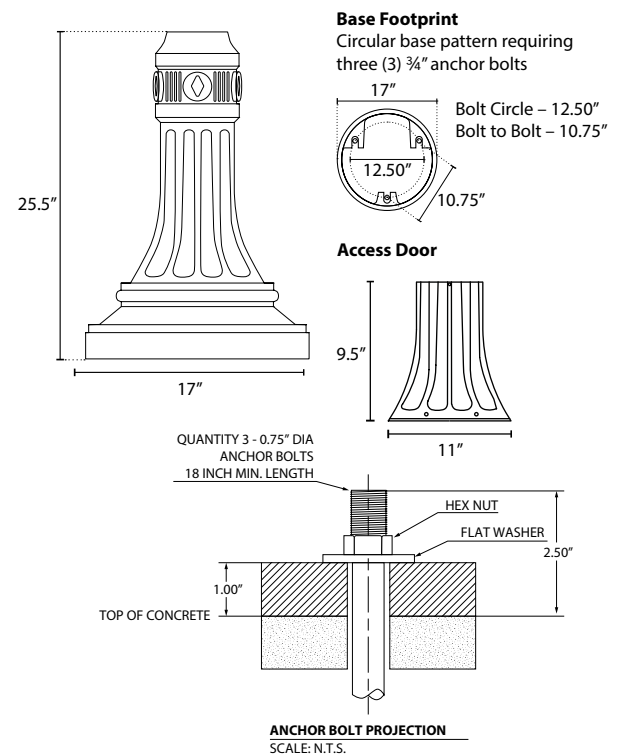
#### Pole

.125" Wall Extruded Aluminum

### DIMENSIONS

### ORDERING

| BASE       | HEIGHT          | STYLE           | FINISH                |
|------------|-----------------|-----------------|-----------------------|
| <b>CL6</b> |                 |                 |                       |
|            | <b>0</b> 9'10"  | <b>S</b> Smooth | <b>BK</b> Black       |
|            | <b>1</b> 10'10" | <b>F</b> Fluted | <b>DB</b> Dark Bronze |
|            | <b>2</b> 11'10" |                 | <b>GN</b> Dark Green  |
|            | <b>3</b> 12'10" |                 |                       |
|            | <b>4</b> 13'10" |                 |                       |
|            | <b>5</b> 14'10" |                 |                       |



**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 |

**CL6 FLUTED POLE**

|       |        |       |     |   |      |    |       |       |      |      |      |      |      |      |      |      |      |
|-------|--------|-------|-----|---|------|----|-------|-------|------|------|------|------|------|------|------|------|------|
| 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 |      |

**CL6 SMOOTH POLE**

|       |        |       |     |   |      |    |       |       |      |      |      |      |      |      |      |      |      |
|-------|--------|-------|-----|---|------|----|-------|-------|------|------|------|------|------|------|------|------|------|
| 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 |      |

**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/](https://brandonindustries.com/EPA-Wind/)