

Aluminum Pole

Direct Burial

OVERVIEW

Pole - 6061-T6 Schedule 40 aluminum pipe. Conforms to ASTM B221

Nominal: 4" / O.D. 4.5"

Wall: 0.237". Meets ANSI C136.36A-2010, for Roadway and Area Lighting Equipment- Aluminum Lighting Poles.

Finish - Sol utilizes a highly controlled, environmentally friendly, and proprietary process for their powder coating that features an industry-leading powder coating warranty.

Sol powder coated products are highly scratch resistant and feature excellent weather, ultra violet, and light resistance for superior gloss and color retention.

A consideration of field conditions such as (but not limited to) wind zone, height, vibration must be given by the designer/specifier for the appropriate application. Performance of poles is dependent upon proper support/ attachment of pole to adequate foundation design. Sol does not design or offer recommendations for foundations. EPA values assume that the bottom of the pole is at grade level.

Warranty - Sol poles feature a five year warranty. See Warranty Information on www.solarlighting.com for complete system details and exclusions.

Call Sol (1.800.959.1329) if there are any questions, or for any assistance in determining suitability with appropriate fixtures.

SPECIFICATIONS

6061-T6 Aluminum schedule 40 pipe Conforms to ASTM B221. Nominal: 4" / O.D. 4.5" Wall: 0.237"

Weight: 45 lbs. - 12' / 75 lbs. - 20' / 83 lbs. - 22' / 90 lbs. - 24'

Soil is augured 14" diameter and filled with concrete. It is recommended to check locals codes before burial.

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WARNING: This design information is intended as a general guideline only. The customer is solely responsible for proper selection of pole, luminaire, accessory and foundation under the given site conditions and intended usage. The addition of any items to the pole, in addition to the luminaire, will dramatically impact the EPA load on that pole. It is strongly recommended that a qualified professional be consulted to analyze the loads given the user's specific needs to ensure proper selection of the pole, luminaire, accessories, and foundation. Sol assumes no responsibility for such proper analysis or product selections. Failure to insure proper site analysis, pole selection, loads and installation can result in pole failure, leading to serious injury or property damage.

GENERAL INFORMATION: Mounting height is the vertical distance from the base of the lighting pole to the center of the luminaire arm at the point of luminaire attachment.

Pole meets ANSI C136.36A-2010, for Roadway and Area Lighting Equipment- Aluminum. Lighting Poles.

TECHNICAL

Wind Speed	90 mph	110 mph	120 mph	140 mph
EPA Information (ft ²)	27	17	14	9.5

*EPA Calculations based on 15' above ground install.

Other pole configurations available, consult Sol Inc. EPA Calculations allow for 1.3 Gust Factor. Additional wind loading, in terms of EPA, from PV panel, arm, luminaire, and other accessories attached to the pole, must be added to determine overall EPA. Warning: Additional wind loading, in terms of EPA, from banners, cameras, floodlights and other accessories attached to the pole, must be added to the luminaire(s) EPA before selecting the pole with the appropriate wind load capability.

