

The Gardco SSA Straight Square Aluminum Hinged Base pole consists of a one-piece round extruded aluminum lighting standard welded to a cast aluminum base plate. This top plate/pole assembly is attached on-site to the lower base with removeable pivot pins. This construction allows for easy installation and servicing of the attached luminaires without the need for a ladder or bucket truck. The poles are finished with either Architectural Class 1 anodizing or electrostatically applied TGIC polyester powdercoat.

Project: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Cat.No: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_  
 Notes: \_\_\_\_\_

### Ordering Guide

example: SSA4-HB-15-D1-BRP

Prefix	Base	Height	Drilling <sup>1</sup>	Finish	Options
SSA4	HB	8	<b>D1</b> 1 Way	<b>BRP</b> Bronze Paint	<b>DR</b> Duplex Receptacle <b>GFCI</b> Ground Fault Receptacle <b>VDA</b> Vibration Dampener <b>AHH</b> Additional Hand Hole <small>For DR, GFCI, and AHH options indicate height above base and orientation to original hand hole. See Pole Orientation Information on Page 5.</small>  <b>Nipples and Couplings</b> <b>CL1/2</b> Coupling - Internal Thread 1/2" <b>CL3/4</b> Coupling - Internal Thread 3/4" <b>CL1</b> Coupling - Internal Thread 1" <b>CL1-1/4</b> Coupling - Internal Thread 1-1/4" <b>CL1-1/2</b> Coupling - Internal Thread 1-1/2" <b>NL1/2</b> Nipple - External Thread 1/2" <b>NL3/4</b> Nipple - External Thread 3/4" <b>NL1</b> Nipple - External Thread 1" <b>NL1-1/4</b> Nipple - External Thread 1-1/4" <b>NL1-1/2</b> Nipple - External Thread 1-1/2" <small>Indicate height above base and orientation to hand hole. See Pole Orientation Information on Page 5.</small>  <b>Single Mount Bullhorn Brackets</b> <b>A15BH-19</b> Single - 1.9" OD <sup>2</sup> <b>A15BH-24</b> Single - 2.4" OD <b>A215BH-19</b> 2-Tenon - 1.9" OD <sup>2</sup> <b>A215BH-24</b> 2-Tenon - 2.4" OD <small>Indicate height above base and orientation to hand hole. See Pole Orientation Information on Page 3</small>  <small>Additional and alternative brackets and accessories available. Refer to the Signify product catalog (eCat) website for more information.</small>
		10	<b>D2</b> 2 Way at 180°	<b>BLP</b> Black Paint	
		12	<b>D2@90</b> 2 Way at 90°	<b>WP</b> White Paint	
		15	<b>D3</b> 3 Way at 90°	<b>MGY</b> Medium Grey Paint	
		16	<b>D4</b> 4 Way	<b>DGY</b> DGY Dark Grey Paint	
		18	<b>T2</b> 2.4" OD Tenon X 4" long	<b>BRA</b> BRA Bronze Anodized Paint	
SSA5		20	<b>T3</b> 3" OD Tenon X 4" long	<b>BLA</b> BLA Black Anodized Paint	
			<b>T4</b> 4" OD Tenon X 6" long	<b>NA</b> NA Natural Anodized Paint	
			<b>P</b> Plain Top (No Drilling/No Tenon)	<b>OC</b> Optional Color Paint (Specify RAL designation OC-RAL7024)	
				<b>SC</b> Special Color Paint (Specify. Must supply color chip.)	

Enter the order code into the appropriate box above. **Note:** Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

- Standard poles are drilled in factory for compatibility with Signify luminaires only (D\* options). For non-Signify-brand luminaires, select the P drilling option.
- For Gardco DFL7/DFC7 only

### Anchor Bolts for Gardco SSA-HB Poles, ordered separately:

	12NC for ordering	Description (in inches)
For Pre-ship service (Order 4 per pole)	912400215786	0.75 x 18 x 3.75
For shipment with the pole (Order 1 per pole)	912400207384	0.75 x 18 x 3.75

# Poles Straight Square Aluminum - Hinged Base

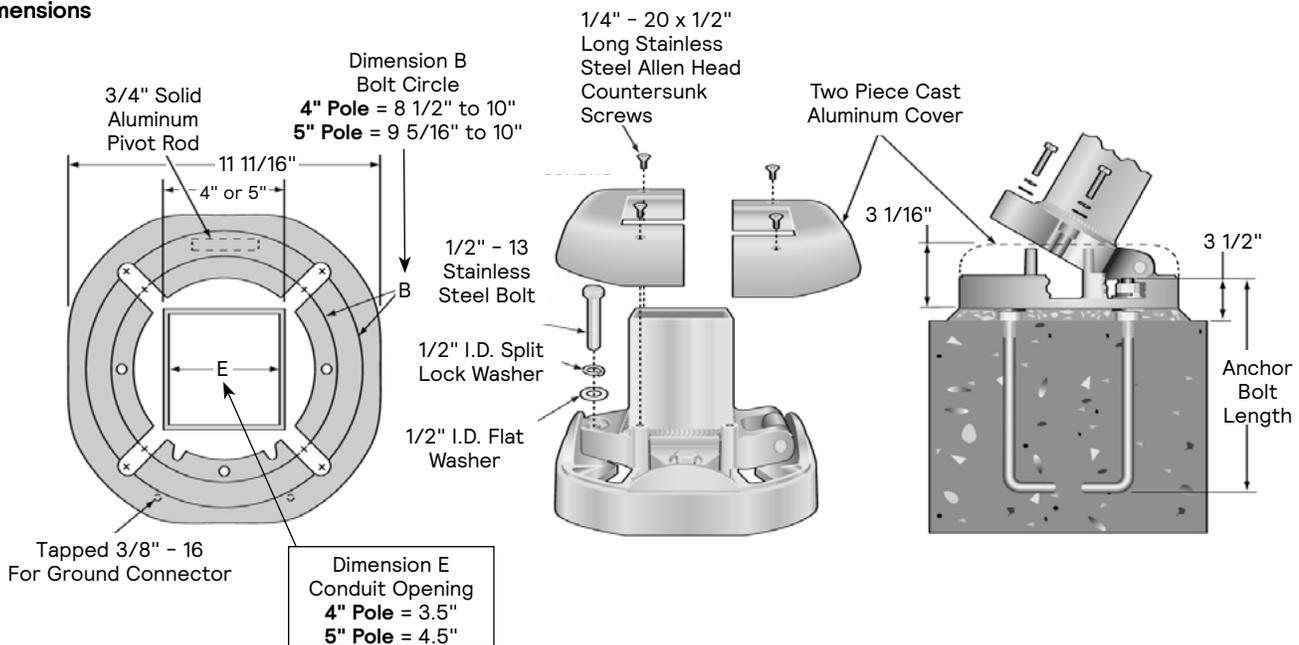
## Pole Data

Product Catalog Number	Pole Specs				Anchor Bolt Data <sup>2</sup>		
	Height (ft)	Pole Diameter (inches)	Wall Thickness (inches)	Structure Weight (lbs)	Bolt Circle (inches)	Bolt Size (inches)	Max Proj. (inches)
SSA4-HB-8	8	4	0.125	24	8.5 - 10	0.75 x 18 x 3.75	3.5
SSA4-HB-10	10	4	0.125	28	8.5 - 10	0.75 x 18 x 3.75	3.5
SSA4-HB-12	12	4	0.125	33	8.5 - 10	0.75 x 18 x 3.75	3.5
SSA4-HB-15	15	4	0.125	39	8.5 - 10	0.75 x 18 x 3.75	3.5
SSA4-HB-16	16	4	0.125	42	8.5 - 10	0.75 x 18 x 3.75	3.5
SSA4-HB-18	18	4	0.188	66	8.5 - 10	0.75 x 18 x 3.75	3.5
SSA5-HB-20	20	5	0.188	93	9.32 - 10	0.75 x 18 x 3.75	3.5

Catalog Number	Maximum Luminaire Loading <sup>1</sup>							
	High Wind Conditions		Normal Wind Conditions					
	110 MPH		100 MPH		90 MPH		80 MPH	
Prefix	EPA ft <sup>2</sup>	Max Weight (lbs)	EPA ft <sup>2</sup>	Max Weight (lbs)	EPA ft <sup>2</sup>	Max Weight (lbs)	EPA ft <sup>2</sup>	Max Weight (lbs)
SSA4-HB-8	8.7	50	10.9	50	14	50	18.2	50
SSA4-HB-10	6.2	50	8	50	10.5	50	13.9	50
SSA4-HB-12	4.2	50	5.7	50	7.7	50	10.6	50
SSA4-HB-15	1.6	50	2.6	50	3.8	50	5.7	50
SSA4-HB-18L	1	50	1.9	50	3.1	50	4.8	50
SSA4-HB-18H	1.8	75	3	75	4.6	75	6.8	75
SSA4-HB-20L	2.9	75	4.7	75	7.1	75	10.5	75

- 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.
- Factory supplied template must be used when setting anchor bolts. Gardco will not honor any claim for incorrect anchorage placement resulting from failure to use factory supplied templates.

## Dimensions



**NOTE:** Factory supplied template must be used when setting anchor bolts. Gardco will not honor any claim for incorrect anchorage placement from failure to use factory supplied templates.

# Poles Straight Square Aluminum – Hinged Base

## Specifications

### POLE SHAFT

The pole shaft shall be extruded from all new 6005 alloy aluminum tubing.

### UNIVERSAL HINGED BASE

The universal hinged anchor base is cast from A356 alloy aluminum. The shaft shall be inserted into the tilting section of the hinged base and shall be joined to it by continuous circumferential welds at the outside top and inside bottom of that section. The tilted and anchored sections of the hinged base shall be joined by a 3/4" diameter solid aluminum pivot rod. The tilting section of the hinged base shall be held in a vertical position by (3) 1/2"-13 x 2" stainless steel hex head bolts. These bolts shall attach to stainless steel inserts cast into the aluminum base. The completed assembly shall be heat treated to a T6 condition.

### ANCHOR BOLTS

Anchor bolts are fabricated from a commercial quality hot rolled carbon steel bar that meets or exceeds a minimum guaranteed yield strength of 50,000 psi. Bolts have an "L" bend on one end and threaded on the opposite end. Anchor bolts are completely hot dipped galvanized. Four (4) properly sized bolts, each furnished with two (2) regular hex nuts and two (2) flat washers, are provided per pole as an accessory, unless otherwise specified.

### HAND HOLE

The hand hole has a nominal rectangular 2" x 4" (4") or 2 1/2" x 4" (5") inside opening in the pole shaft and tenon assembly. Included is an aluminum cover plate with attachment screws. The hand hole is centered 12" above the bottom of the pole on 4" poles

and 14" above the bottom of the pole on 5" poles, both 180° opposite the hinge.

### BASE COVER

A two-piece, heavy wall cast aluminum cover completely conceals the entire base plate and anchorage. The base cover is secured to the base assembly with four (4) stainless steel fasteners.

### DRILLING

Standard poles are drilled in factory for compatibility with Signify luminaires, optional brackets, and accessories. Signify is not liable for damage caused by unauthorized attachments, alterations, or modifications.

If luminaires are to be supplied by others, Signify/Gardco/Stonco is not responsible for pole compatibility with luminaires, structural integrity

of the pole or wind load requirements.

### POLE TOP CAP

Each pole assembly is provided with a removable plastic top push cap. Finish is Black.

### FINISH

Poles are available Association Architectural Class 1 anodized finish. Electrostatically applied, thermally cured TGIC polyester powdercoat finish or liquid polyurethane is also available.

## General Pole Information

### DESIGN

The poles as charted are designed to withstand dead loads and predicted dynamic loads developed by variable wind speeds with an additional 30% gust factor under the following conditions:

The charted weights include luminaire(s) and/or mounting bracket(s).

The wind velocities are based on 10 mph increments from 80 mph through 110 mph. Poles to be located in areas of known abnormal conditions may require special consideration. For example: coastal areas, airports and areas of special winds. Poles are designed for ground mounted applications. Poles

mounted on structures (such as buildings and bridges) may also necessitate special consideration requiring Gardco's recommendation.

Height correction factors and drag coefficients are applied to the entire structure. An appropriate safety factor is maintained based on the minimum yield strength of the material incorporated in the pole.

### 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. Gardco 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

PE digitally stamped pole calculations are available on Gardco Site and Area poles upon request for an additional charge. Detailed project and installation information is required to fulfill this service. For more information, consult the factory.

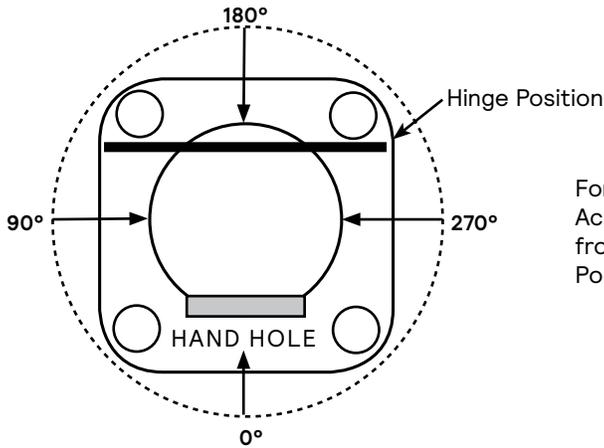
### WARRANTY

Gardco poles feature a 1 year limited warranty. See Warranty Information on [www.signify.com/warranties](http://www.signify.com/warranties) for complete details and exclusions.

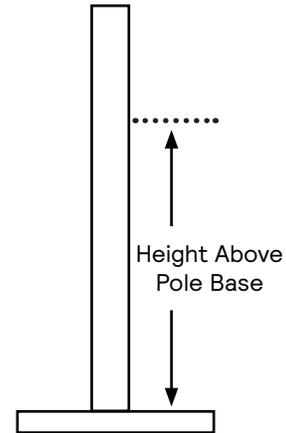
# Poles Straight Square Aluminum - Hinged Base

## Orientation Information

Factory installed options and accessories

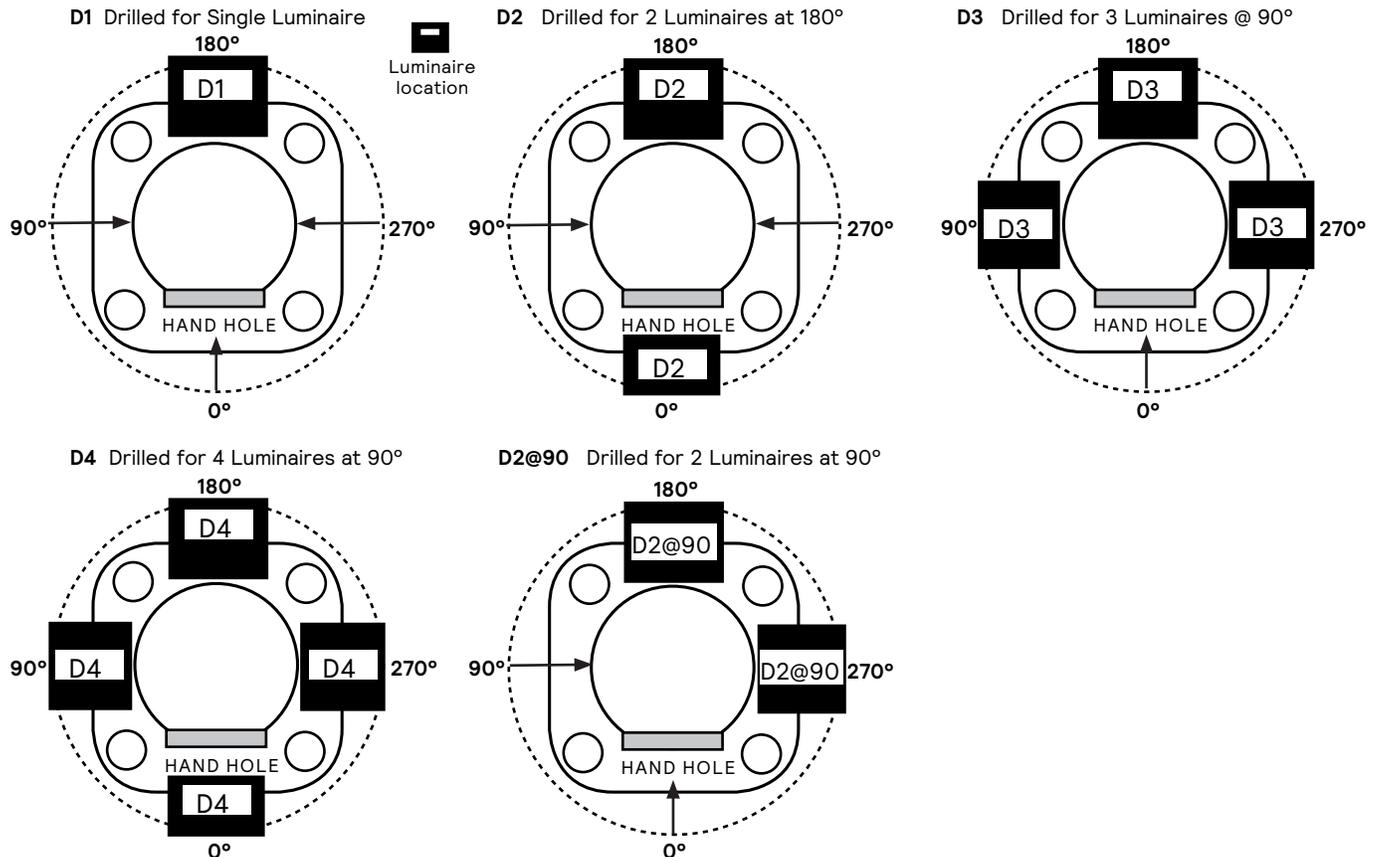


For Factory Installed Options and Accessories, Specify Orientation from Hand Hole and Height Above Pole Base Where Required.



Orientation is measured clockwise from the Hand Hole Center.

## Standard arm mount luminaire orientation



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