

The Gardco SSS Straight Square Steel pole consists of a one-piece square fabricated steel lighting standard. The carbon steel base plate is secured to the shaft with a continuous circumferential weld providing excellent strength and integrity. The poles are finished with an electrostatically applied, thermally cured TGIC polyester powdercoat.

Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

Ordering Guide

example: SSS-20-4-7-D1-BRP

Prefix	Height	Pole Size	Gauge	Drilling ¹	Finish	Options	
SSS	10	4	11	D1 1 Way D2 2 Way D2@90 2 Way at 90° D3 3 Way at 90° D4 4 Way T2 2 3/8" OD Tenon X 4" long T3 3" OD Tenon X 5" long T4 4" OD Tenon X 6" long P Plain Top (No Drilling/No Tenon)	BRP Bronze Paint BLP Black Paint WP White Paint MGY Medium Grey DGY Dark Grey GV Galvanized (No Paint) FGV Finished Paint over Galvanized (specify color)	FES Festoon Outlet VDA Vibration Dampener AHH Additional Hand Hole For Festoon Outlets and Additional Hand Holes, indicate height above base and orientation to original hand hole. See Pole Orientation Information on Page 5. Nipples and Couplings CL1/2 Coupling - Internal Thread 1/2" CL3/4 Coupling - Internal Thread 3/4" CL1 Coupling - Internal Thread 1" CL1-1/4 Coupling - Internal Thread 1-1/4" CL1-1/2 Coupling - Internal Thread 1-1/2" NL1/2 Nipple - External Thread 1/2" NL3/4 Nipple - External Thread 3/4" NL1 Nipple - External Thread 1" NL1-1/4 Nipple - External Thread 1-1/4" NL1-1/2 Nipple - External Thread 1-1/2" Indicate height above base and orientation to hand hole. See Pole Orientation Information on Page 5. Single Side Mount Bullhorn Brackets GM-080-19 Single - 1.9" OD (For Gardco DFL7/DFC7 only) GM-080-24 Single - 2.4" OD Indicate height above base and orientation to hand hole. See Pole Orientation Information on Page 5. Refer to Site and Area Steel Pole Accessories on e-catalog for additional accessories.	
	12						
	14						
	15						
	18						
	20						
	25						
	20	5	11		7		OC Optional Color Paint (Specify RAL designation ex: RAL7024) SC Special Color Paint (Specify. Must supply color chip.)
	25						
	30						
	20	6	7		7		
	25						
30							
35							
30	6	7	7				
35							
40							

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.

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

Anchor Bolts for Gardco SSS Poles, ordered separately:

	Pole Type	12NC for ordering	Description (in inches)
For Pre-ship service (Order 4 per pole)	4" and 5" Poles	912400215786	0.75 x 18 x 3.75
	6" Poles	912400215784	1 x 36 x 4.5
For shipment with the pole (Order 1 per pole)	4" and 5" Poles	912400207384	0.75 x 18 x 3.75
	6" Poles	912400200208	1 x 36 x 4

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Pole Data

Product Catalog Number	Pole Specs				Anchor Bolt Data ²		
	Height (ft)	Pole Diameter (inches)	Wall Thickness (inches)	Structure Weight (lbs)	Bolt Circle (inches)	Bolt Size (inches)	Max Proj. (inches)
SSS-10-4-11	10	4	0.12	75	8.5 (+/- 0.5)	0.75 x 18 x 3.75	4
SSS-12-4-11	12	4	0.12	90	8.5 (+/- 0.5)	0.75 x 18 x 3.75	4
SSS-14-4-11	14	4	0.12	100	8.5 (+/- 0.5)	0.75 x 18 x 3.75	4
SSS-15-4-11	15	4	0.12	115	8.5 (+/- 0.5)	0.75 x 18 x 3.75	4
SSS-18-4-11	18	4	0.12	125	8.5 (+/- 0.5)	0.75 x 18 x 3.75	4
SSS-20-4-11	20	4	0.12	140	8.5 (+/- 0.5)	0.75 x 18 x 3.75	4
SSS-20-4-7	20	4	0.18	210	8.5 (+/- 0.5)	0.75 x 18 x 3.75	4
SSS-25-4-11	25	4	0.12	170	8.5 (+/- 0.5)	0.75 x 18 x 3.75	4
SSS-25-4-7	25	4	0.18	245	8.5 (+/- 0.5)	0.75 x 18 x 3.75	4
SSS-30-4-7	30	4	0.18	291	8.5 (+/- 0.5)	0.75 x 18 x 3.75	4
SSS-20-5-11	20	5	0.12	185	11 (+/- 1.0)	0.75 x 18 x 3.75	4
SSS-20-5-7	20	5	0.18	265	11 (+/- 1.0)	0.75 x 18 x 3.75	4
SSS-25-5-11	25	5	0.12	225	11 (+/- 1.0)	0.75 x 18 x 3.75	4
SSS-25-5-7	25	5	0.18	360	11 (+/- 1.0)	0.75 x 18 x 3.75	4
SSS-30-5-11	30	5	0.12	265	11 (+/- 1.0)	0.75 x 18 x 3.75	4
SSS-30-5-7	30	5	0.18	380	11 (+/- 1.0)	0.75 x 18 x 3.75	4
SSS-30-6-7	30	6	0.18	520	12(+/- 1.0)	1 x 36 x 4	4
SSS-35-5-7	35	5	0.18	440	11 (+/- 1.0)	0.75 x 18 x 3.75	4
SSS-35-6-7	35	6	0.18	540	12(+/- 1.0)	1 x 36 x 4	4
SSS-40-6-7	40	6	0.18	605	12(+/- 1.0)	1 x 36 x 4	4

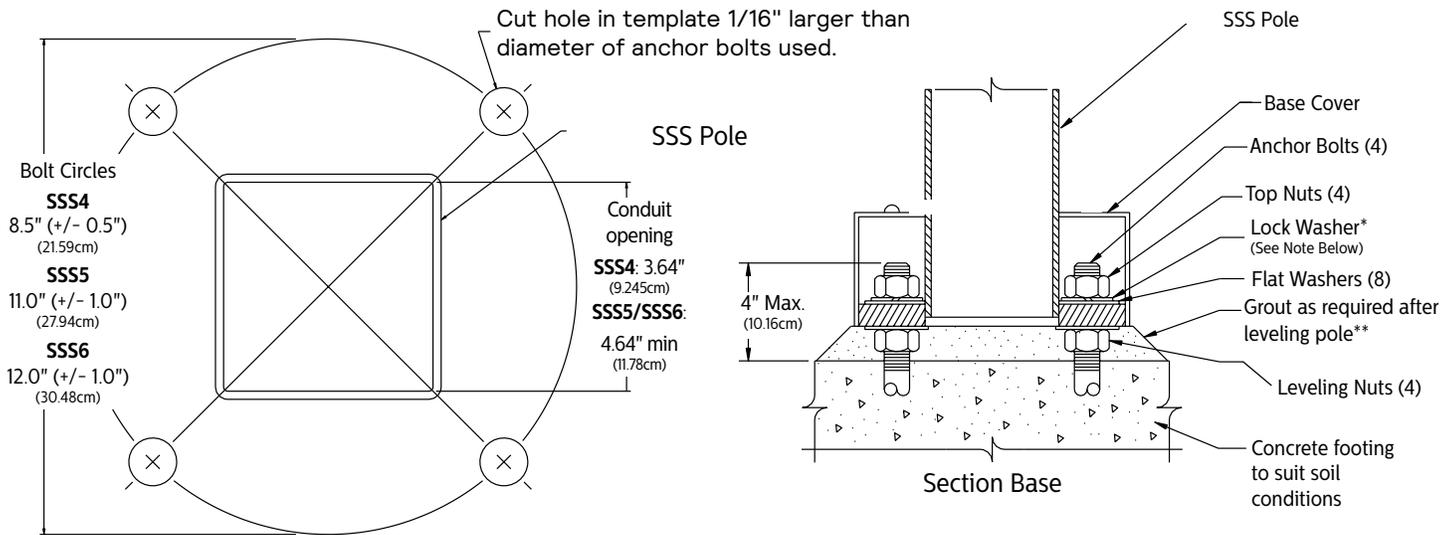
Maximum Luminaire Loading ¹												
Catalog Number	High Wind Conditions						Normal Wind Conditions					
	130 MPH		120 MPH		110 MPH		100 MPH		90 MPH		80 MPH	
Prefix	EPA ft ²	Max Weight (lbs)	EPA ft ²	Max Weight (lbs)	EPA ft ²	Max Weight (lbs)	EPA ft ²	Max Weight (lbs)	EPA ft ²	Max Weight (lbs)	EPA ft ²	Max Weight (lbs)
SSS-10-4-11	9.9	248	12	300	14.5	363	18.9	473	23.9	595	30.6	765
SSS-12-4-11	7.4	185	9.2	230	11.3	283	14.8	370	18.8	470	24.4	610
SSS-14-4-11	5.5	138	7	175	8.8	220	11.7	293	15.1	378	19.9	498
SSS-15-4-11	3.8	95	5	125	6.7	168	8.9	223	11.8	295	15.9	398
SSS-18-4-11	2.3	58	3.5	88	4.8	120	6.7	168	9.2	230	12.6	315
SSS-20-4-11	-	-	1.9	48	3.3	83	4.5	150	6.7	167	9.6	240
SSS-20-4-7	4.3	108	5.6	140	7.4	185	8.8	210	11.8	295	16	400
SSS-25-4-11	-	-	-	-	-	-	1	50	2.6	100	4.8	150
SSS-25-4-7	1.6	40	2.6	65	3.8	95	5.4	135	7.7	188	10.8	270
SSS-30-4-7	-	-	-	-	1.2	50	2.6	65	4.4	110	6.7	168
SSS-20-5-11	3.5	88	5	125	7	175	9.4	235	12.7	343	17.7	443
SSS-20-5-7	6.2	155	8.2	205	10.7	270	16.2	405	21.4	535	28.1	703
SSS-25-5-11	-	-	-	-	2.1	53	3.7	150	6.3	157	9.8	245
SSS-25-5-7	2.7	68	4.3	108	6.3	158	9.5	238	13.3	333	18.5	463
SSS-30-5-11	-	-	-	-	-	-	-	-	2	50	4.7	150
SSS-30-5-7	-	-	-	-	2	50	3.9	100	6.7	167	10.7	267
SSS-30-6-7	-	-	3.3	83	5.6	140	9	225	13.2	330	19	475
SSS-35-5-7	-	-	-	-	-	-	-	-	2.5	100	5.9	150
SSS-35-6-7	-	-	-	-	-	-	4.2	105	7.6	190	12.4	310
SSS-40-6-7	-	-	-	-	-	-	-	-	3	75	7.2	180

1. **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.

2. 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.

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Dimensions



* Anchor Bolt Lock Washers are not normally required and are not included in standard anchor bolt sets. They are available upon request at additional cost.

**Grouting should include a drainage slot or tube (by others) to permit water to drain from the base of the pole. Failure to provide drainage may weaken the pole base structure over time and may result in pole base failure, for which Gardco is not responsible.

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.

Specifications

POLE SHAFT

The pole shaft is fabricated from a single-piece of 11 ga (.1196") or 7 ga (.1793") commercial carbon steel. The formed steel plate is longitudinally welded providing minimum yield strength of 46 KSI.

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 galvanized a minimum of 12" on the threaded end. 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

ANCHOR BASE

The pole anchor base is fabricated from A-36 structural quality carbon steel with a minimum yield strength of 36 KSI. The base plate telescopes the pole shaft and is circumferentially welded on both top and bottom.

BASE COVER

A two-piece base cover completely conceals the entire base plate and anchorage.

HAND HOLE

Each hand hole includes an easy to install, self-contained Swing Latch hand hole cover assembly. U.S. Patent Swing Latch cover is fabricated from durable polycarbonate/ABS blend plastic. All pole assemblies are provided with a 2.50" x 5.00" rectangular hand hole. Hand hole dimensions are nominal above the base and 180° clockwise with respect to the luminaire arm when viewed from the top of the pole for one arm. For two arms the hand hole is located directly under one arm.

POLE TOP CAP

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

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.

FINISH

Poles are available with a bronze, natural, white or black electrostatically applied, thermally cured TGIC polyester powdercoat finish.

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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 130 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

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. Twin arms as charted are oriented at 180° with respect to each other. For applications of two (2) arms at 90° or other multiple arm applications, consult the factory. 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.

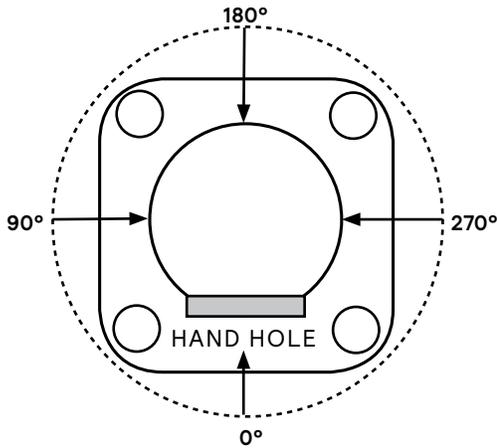
WARRANTY

Please visit www.signify.com/warranties for more details on structural and finish warranty.

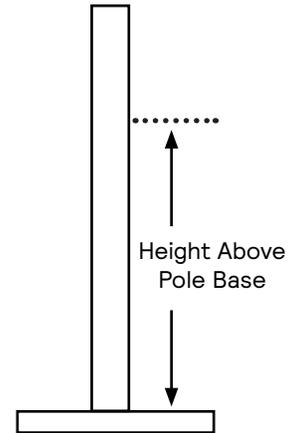
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Orientation Information

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

