

The Gardco GTS Tapered Square Steel pole consists of a one-section design fabricated steel tubing circumferentially welded to a structural quality hot rolled carbon steel plate. The poles are finished with an electrostatically applied, thermally cured TGIC polyester powdercoat.

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

Ordering Guide

example: GTS-30-11-D4-DGY

Base	Height	Gauge	Drilling ¹	Finish	Options
GTS					
GTS	20	11	D1 1 Way D2 2 Way at 180° D2@90 2 Way at 90° D3 3 Way at 90° D4 4 Way	BRP Bronze Paint BLP Black Paint WP White Paint MGY Medium Grey DGY Dark Grey GV Galvanized (No Paint) FPGV Finished Paint over Galvanized (specify color)	FES Festoon Outlet VDA Vibration Dampener AHH Additional Hand Hole <small>For Festoon Outlets and Additional Hand Holes, indicate height above base and orientation to original hand hole. See Pole Orientation Information on Page 4.</small>
	25				
30	7			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" <small>Indicate height above base and orientation to hand hole. See Pole Orientation Information on Page 4.</small>	
35					
39				<small>Refer to Site and Area Steel Pole Accessories on e-catalog for additional accessories.</small>	
39					

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 GTS Poles, ordered separately:

	12NC for ordering	Description (in inches)
For Pre-ship service (Order 4 per pole)	912400215784	1 x 36 x 4.5
For shipment with the pole (Order 1 per pole)	912400200208	1 x 36 x 4.5

Poles Tapered Square Steel

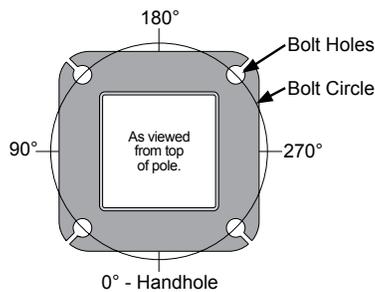
Pole Data

Product Catalog Number	Pole Specs					Anchor Bolt Data ²			Base Plate	
	Height (ft)	Taper Pole Diameter Base (inches)	Taper Pole Diameter Top (inches)	Wall Thickness (inches)	Structure Weight (lbs)	Bolt Circle (inches)	Bolt Size (inches)	Max Proj. (inches)	Square (inches)	Thickness (inches)
GTS-20-11	20	5.25	3.05	0.12	155	10.75	1 x 36 x 4.5	4.000	10.75	0.75
GTS-25-11	25	6	3.25	0.12	205	12	1 x 36 x 4.5	4.130	11.5	0.875
GTS-30-11	30	6.41	3.11	0.12	260	12.5	1 x 36 x 4.5	4.130	11.88	0.875
GTS-35-11	35	6.81	2.96	0.12	305	13	1 x 36 x 4.5	4.130	12.25	0.875
GTS-39-11	38.75	7.18	2.92	0.12	345	13.5	1 x 36 x 4.5	4.130	12.63	0.875
GTS-39-7	38.75	7.13	2.87	0.18	500	13.5	1 x 36 x 4.5	4.500	12.63	1.25

Catalog Number	Maximum Luminaire Loading ¹											
	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)
GTS-20-11	5.1	126	6.5	162	8.4	210	10.7	268	13.8	345	18	452
GTS-25-11	3.9	99	5.3	133	7.1	178	9.5	238	12.6	315	16.8	422
GTS-30-11	2	50	3.2	80	4.9	123	7	175	9.8	245	13.6	340
GTS-35-11	-	-	-	-	2.8	70	4.8	120	7.3	184	10.7	269
GTS-39-11	-	-	-	-	-	-	3	75	5.4	135	8.6	215
GTS-39-7	3.4	85	5.2	130	7.5	188	10.4	260	14.2	355	19.3	483

- 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.

Anchor Base Detail



Poles Tapered Square Steel

Specifications

POLE SHAFT

The pole shaft conforms to ASTM A595 Grade-A and is supplied in 11 gauge (0.1196"), or 7 gauge (0.1793") steel. It is one-piece construction with a full-length longitudinal high frequency resistance weld and is square in cross section having a uniform taper of 0.11 inches per foot of length.

ANCHOR BASE

The anchor base (base plate) is fabricated from structural quality hot-rolled carbon steel plate conforming to ASTM A36. The base plate telescopes the pole shaft and is circumferentially welded top and bottom.

ANCHOR BOLTS

Anchor bolts are fabricated from a commercial quality hot rolled carbon steel bar with a minimum yield strength of 55,000 PSI. Bolts have an "L" bend on one end and threaded

on the opposite end. Anchor bolts are hot-dipped galvanized a minimum length of 12" on the threaded end. Four (4) properly sized bolts, each furnished with two (2) hex nuts and flat washers, are provided per pole as an accessory, unless otherwise specified. An anchor bolt template will be provided automatically when pre-shipped anchor bolts are requested. For anchor bolt shipment with poles, the pole itself will be used as the template.

BASE COVER

A two-piece base cover completely seals the entire base plate and anchorage. The base cover is secured together with two (2) fasteners.

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. Square poles less than 6.375" square have a 3" x 5" handhole. Larger square poles have a 4" x 6.5" oval handhole. A nut holder is provided near the handhole and includes a .5" - 13 UNC hex head bolt and nut for grounding. The handhole is circumferentially welded in the pole shaft and includes a steel cover with attachment screws. The handhole is located at 1' 6" above the base of the pole. Hand hole dimensions are nominal.

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

The standard finish for pole and accessories is an electrostatically applied, thermally cured TGIC polyester powdercoat.

FASTENERS

All structural fasteners are galvanized high strength carbon steel. All fasteners are galvanized or zinc plated carbon steel or stainless steel.

POLE TOP CAP

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

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.

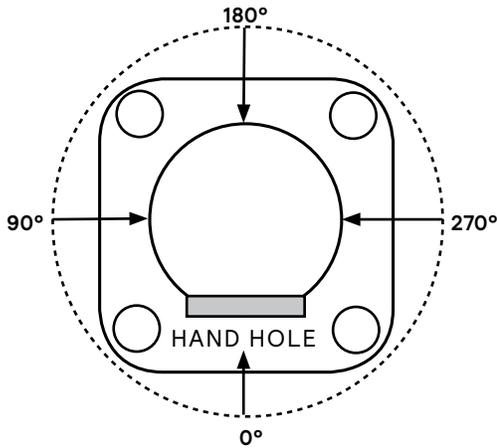
WARRANTY

Gardco poles feature a 1 year limited warranty. See Warranty Information on www.signify.com/warranties for complete details and exclusions.

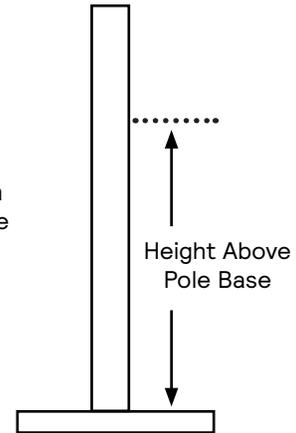
Poles Tapered Square Steel

Orientation Information

Factory installed options and accessories

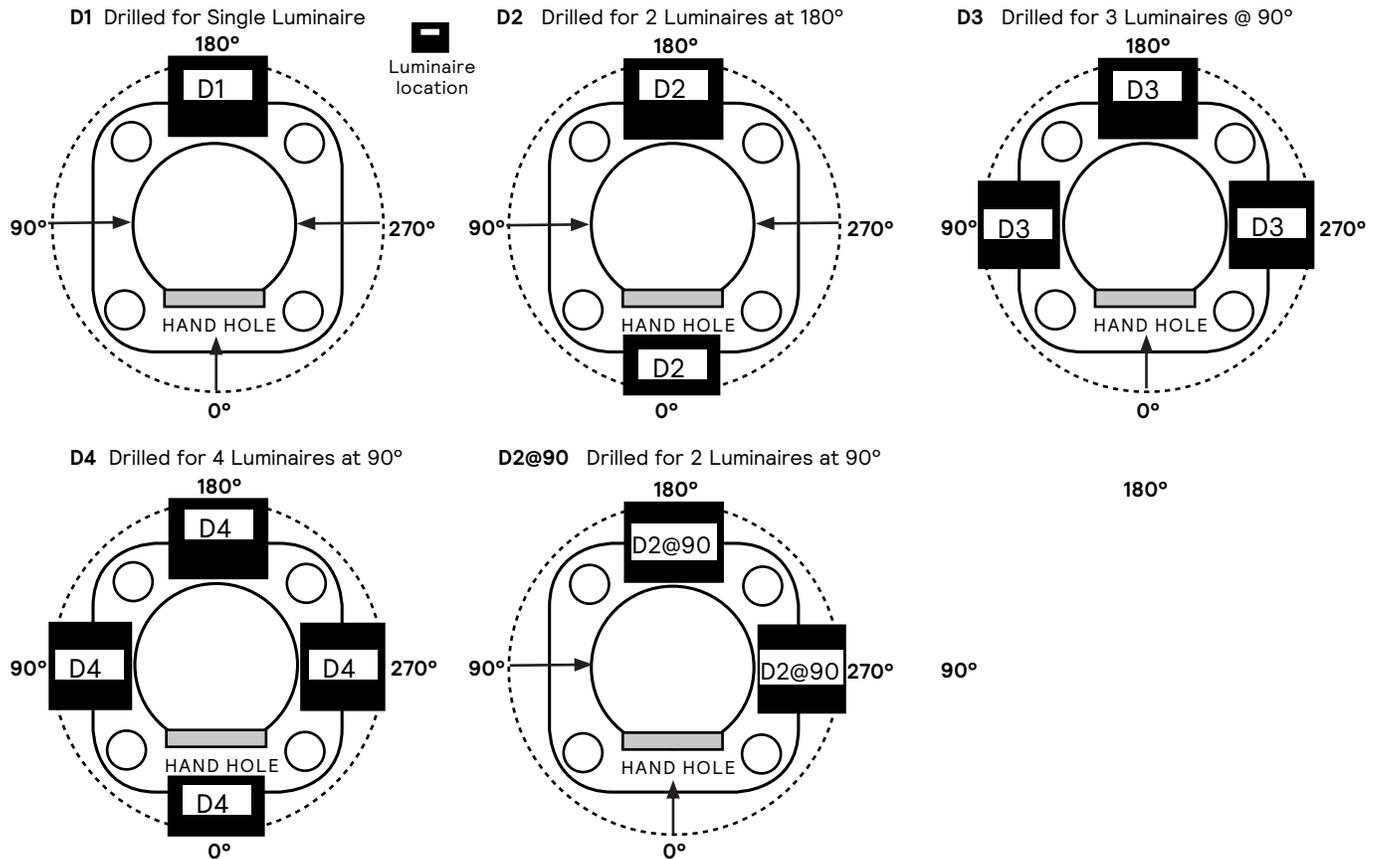


For Factory Installed Options and Accessories, Specify Orientation from Hand Hole and Height Above Pole Base Where Required.



Orientation is measured clockwise from the Hand Hole Center.

Standard arm mount luminaire orientation



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