

Job/Client Name:	
Location:	
Notes:	

Alliance products are designed and built in the USA. 

Round Tapered Fiberglass Light Poles

Direct Bury

Standard, Intermediate, Heavy, and Extra Heavy Duty

Product Offering Includes:

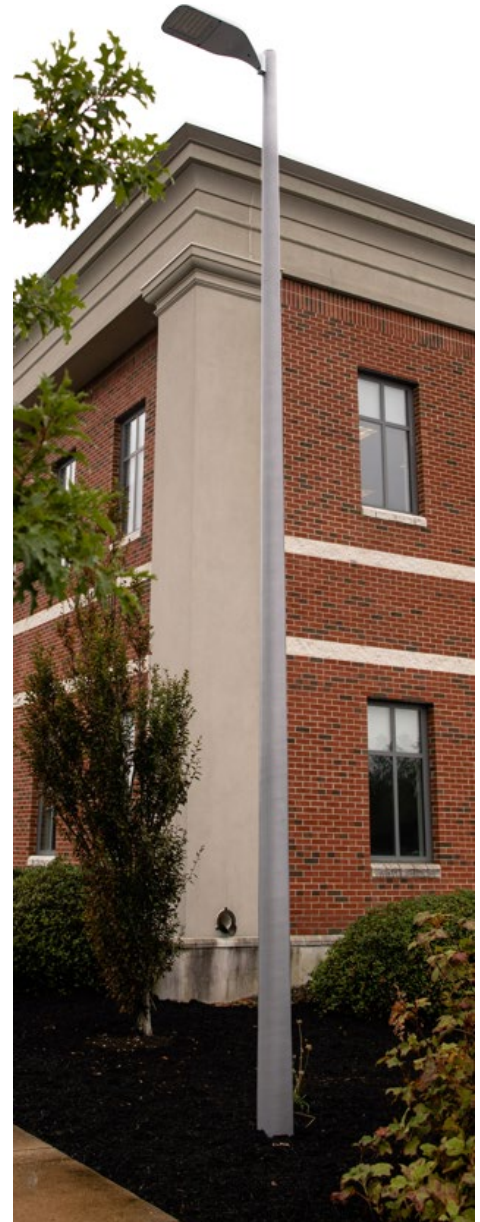
- Direct Bury poles to fit your specific wind zone and loading requirements.
- 15-40' lengths.
- 3-Layers of protection against UV degradation. Includes thermally bonded outer coating.
- Surface finish options include natural and smooth.
- Ground line protection.
- Multiple hand hole size options.
- 2-3/8", 3" Tenons or Top Cap available.
- Standard Colors in black, bronze, and gray (other colors available by request).
- Light Weight, Non-Conductive, and Non-Corrosive.

Product Numbers and EPA Ratings^{1,2}

Standard Duty

Overall Length	Above Ground	Catalog Number	Calculated Effective Projected Area (EPA) ^{1,2}								Additional Information	
			90 mph	100 mph	110 mph	120 mph	130 mph	140 mph	150 mph	Burial Depth (feet)	Weight of the Pole ⁵	
15	12	D3TS15F00N##GXHH	8.7	6.6	5.0	3.8	3.0	2.8	2.3	3	27	
16	12	D4TS16F00N##GXHH	8.7	6.6	5.0	3.8	3.0	2.8	2.3	4	32	
17	13	D4TS17F00N##GXHH	8.6	6.5	4.9	3.7	2.8	2.7	2.2	4	34	
18	14	D4TS18F00N##GXHH	8.5	6.3	4.7	3.5	2.7	2.5	2.1	4	35	
20	16	D4TS20F00N##GXHH	8.8	6.5	4.8	3.5	2.7	2.6	2.1	4	39	
22	18	D4TS22F00N##GXHH	8.9	6.4	4.5	3.5	2.9	2.7	2.2	4	48	
24	20	D4TS24F00N##GXHH	9.1	6.5	4.6	3.6	3.0	2.8	2.3	4	53	
25	20	D5TS25F00N##GXHH	10.1	7.3	5.3	4.2	3.4	3.3	2.7	5	59	
30	25	D5TS30F00N##GXHH	10.8	7.6	5.8	4.5	3.7	3.5	2.9	5	73	

Visit alliancecompositesinc.com for a full list of products and EPA ratings up to 180 mph.



Alliance™ Round Tapered, 25', direct bury, fiberglass light pole.



Responsive

Alliance™ provides dependable service from quote to delivery. Our experienced product experts and attractive lead times combine to deliver industry leading service.



Lasting

Our Alliance™ light poles have superior UV protection, which creates an ultra-low maintenance product. Fiberglass is non-conductive and non-corrosive creating ideal installation and service conditions.



Versatile

Alliance™ offers options for nearly every climate and application. Products are lightweight, easy to install, and configurable to fit the needs of any project.

Product Numbers and EPA Ratings^{1,2}

Intermediate Duty

Overall Length	Above Ground	Catalog Number	Calculated Effective Projected Area (EPA) ^{1,2}							Additional Information	
			90 mph	100 mph	110 mph	120 mph	130 mph	140 mph	150 mph	Burial Depth (feet)	Weight of the Pole ⁵
15	12	D3T115F00N##GXHH	11.9	9.3	7.3	5.8	4.7	4.4	3.7	3	31
16	12	D4T116F00N##GXHH	11.9	9.2	7.2	5.7	4.6	4.3	3.6	4	35
17	13	D4T117F00N##GXHH	11.9	9.1	7.1	5.5	4.4	4.2	3.5	4	37
18	14	D4T118F00N##GXHH	11.8	9.0	7.0	5.4	4.3	4.1	3.4	4	38
20	16	D4T120F00N##GXHH	12.1	9.2	7.0	5.4	4.3	4.1	3.5	4	41
22	18	D4T122F00N##GXHH	12.2	9.1	6.8	5.4	4.5	4.3	3.6	4	49
24	20	D4T124F00N##GXHH	12.4	9.1	6.8	5.5	4.5	4.3	3.6	4	57
25	20	D5T125F00N##GXHH	13.7	10.2	7.7	6.2	5.2	5.0	4.2	5	68
30	25	D5T130F00N##GXHH	15.8	11.6	9.1	7.4	6.1	5.9	4.9	5	84

Heavy Duty

Overall Length	Above Ground	Catalog Number	Calculated Effective Projected Area (EPA) ^{1,2}							Additional Information	
			90 mph	100 mph	110 mph	120 mph	130 mph	140 mph	150 mph	Burial Depth (feet)	Weight of the Pole ⁵
15	12	D3TH15F00N##GXHH	15.2	11.9	9.4	7.5	6.2	5.9	5.0	3	35
16	12	D4TH16F00N##GXHH	15.2	11.9	9.4	7.5	6.2	5.9	5.0	4	37
17	13	D4TH17F00N##GXHH	15.2	11.8	9.3	7.4	6.1	5.8	4.9	4	39
18	14	D4TH18F00N##GXHH	15.2	11.8	9.2	7.3	5.9	5.7	4.8	4	41
20	16	D4TH20F00N##GXHH	15.5	11.9	9.3	7.3	6.0	5.7	4.8	4	42
22	18	D4TH22F00N##GXHH	15.6	11.8	9.1	7.3	6.2	5.9	5.0	4	50
24	20	D4TH24F00N##GXHH	15.7	11.8	9.0	7.3	6.1	5.9	4.9	4	60
25	20	D5TH25F00N##GXHH	17.9	13.6	10.5	8.6	7.2	6.9	5.9	5	77
30	25	D5TH30F00N##GXHH	22.5	17.0	13.6	11.1	9.4	9.0	7.6	5	94

Extra Heavy Duty

Overall Length	Above Ground	Catalog Number	Calculated Effective Projected Area (EPA) ^{1,2}							Additional Information	
			90 mph	100 mph	110 mph	120 mph	130 mph	140 mph	150 mph	Burial Depth (feet)	Weight of the Pole ⁵
15	12	D3TE15F00N##GXHH	18.4	14.5	11.6	9.3	7.7	7.4	6.3	3	37
16	12	D4TE16F00N##GXHH	18.4	14.5	11.6	9.3	7.7	7.4	6.3	4	39
17	13	D4TE17F00N##GXHH	18.5	14.5	11.5	9.3	7.6	7.3	6.2	4	41
18	14	D4TE18F00N##GXHH	18.5	14.4	11.4	9.2	7.5	7.2	6.2	4	43
20	16	D4TE20F00N##GXHH	18.8	14.6	11.5	9.1	7.6	7.2	6.2	4	44
22	18	D4TE22F00N##GXHH	18.9	14.5	11.3	9.2	7.8	7.4	6.3	4	53
24	20	D4TE24F00N##GXHH	19.1	14.5	11.3	9.2	7.8	7.4	6.3	4	63
25	20	D5TE25F00N##GXHH	24.1	18.6	14.6	12.1	10.2	9.8	8.4	5	81
30	25	D5TE30F00N##GXHH	32.4	25.1	20.3	16.7	14.2	13.6	11.7	5	99



Alliance™ Round Tapered, 25', direct bury, fiberglass light pole.



Alliance™ Round Tapered, 20', direct bury, fiberglass light pole.

Visit alliancecompositesinc.com for a full list of products and EPA ratings up to 180 mph.

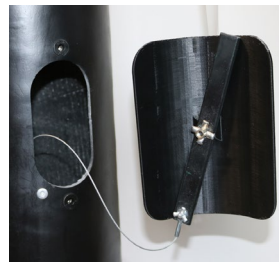
Hand Hole Options²

Hand Hole and Cover²

2½" x 5" Hand Hole is standard. 4" x 6" and 4" x 12" Hand Holes available on most poles. The EPA ratings may be affected when using Hand Holes other than 2½" x 5". Covers are made of a durable, weather resistant material, color matched to the pole. Hand hole located at 18" above ground level.



Backer Bar and Tether
Backer Bar and Tether available (individually or as a set) on our 4" x 6" and 4" x 12" Hand Hole Covers.



Hand Hole Tethers are available for covers with Backer Bar

Additional Options

- I.D. Tag
- Ground Line Locator
- Non-Standard Ground Line Entry Hole Sizes
- Grommets for Cable Entry locations



Ground Line Durability

Pole Guard

UV resistant, high impact material. Designed to protect against mower decks, string trimmers, and other lawn care equipment.



Base Covers³

Weed Eater Cover

The Weed Eater Cover is an epoxy resin two-piece cover, placed around the base of the light pole.



Base Shroud

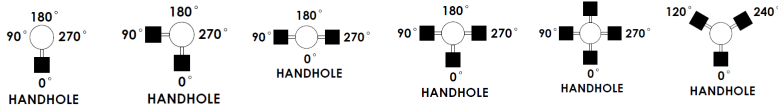
Base Covers are urethane and come in one and two-piece variants, color matched to pole. May have extended lead time.



Pole Specifics

Pole Shaft

Poles are filament wound utilizing continuous glass fiber reinforcement within in a thermoset resin system. This process allows for flexibility to design poles with targeted strength profiles, resulting in a line of poles providing optimized performance, weight, and cost across a variety of applications.



Drilling⁴

All poles are factory drilled to specifications outlined in the manufacturing drawing.

Mounting Options

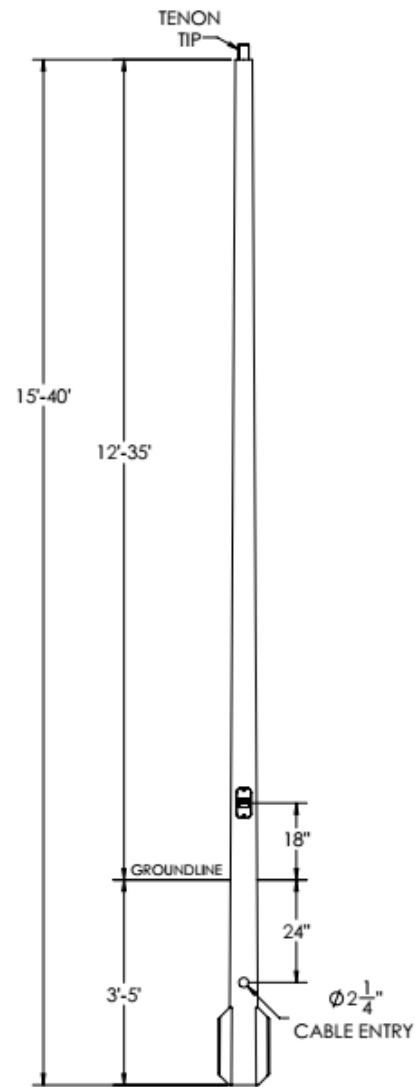
Tenon or Side Drill Mount applications available. Side Drill orientation and luminaire drilling locations and patterns must be supplied at time of order.

Product Finish³

Poles are available in a Natural and Smooth finish. All round poles include 3-layers of UV protection, including a thermally bonded outer coating. Colors include black, bronze, and gray.

Tenons and Top Caps

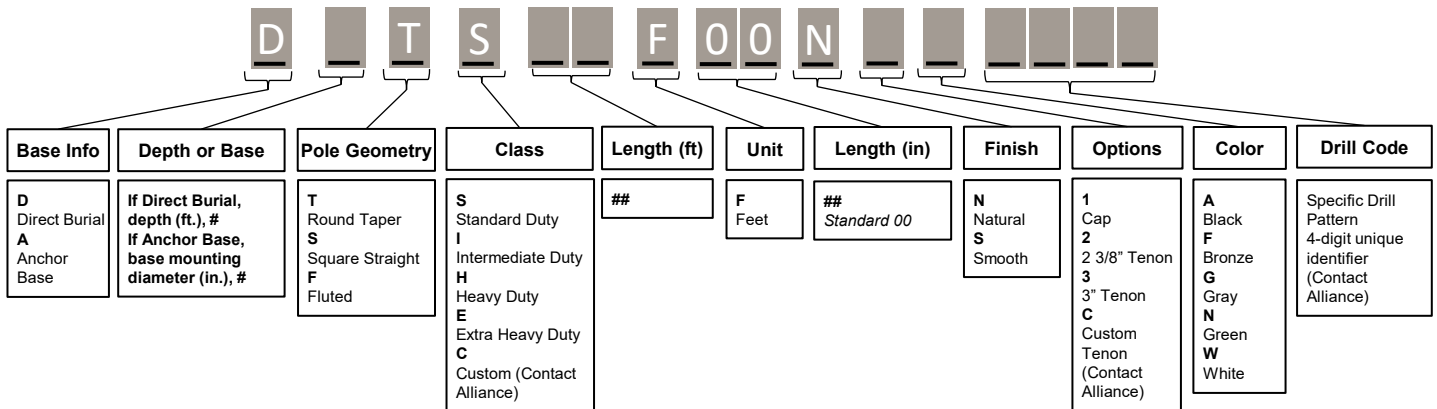
Aluminum tenon or plastic top cap is shipped, assembled to the pole. For top mount luminaires, 2-3/8" and 3" diameter tenons are standard. Custom tenons available.



Integral Anti-Rotation Flange
Direct bury poles are manufactured with an integral, anti-rotation flange to support product reliability and longevity.

Catalog Number

Example: D6TS30F00N2G0001: Direct Bury, 6' Burial Depth, Standard Duty, 30', Natural Finish, with 2 3/8" Tenon in Gray.



Options and Accessories – Select and refer to Customer Service

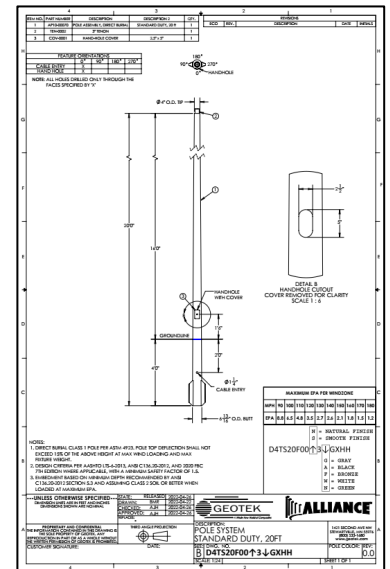
Drawings available at alliancecompositesinc.com

Pole Options²

- 2½" x 5" Hand Hole Cover (Standard)
- 4" x 6" Hand Hole Cover
- 4" x 6" Universal Hand Hole Cover, 8" Backer Bar
- 4" x 12" Universal Hand Hole Cover, 14" Backer Bar
- Hand Hole Tether
- I.D. Tag
- Non-Standard Cable Entry (Standard is 2¼" Round)
- Cable Entry Grommet
- Ground Line Indicator
- Pole Guard, 1-Piece, 20", Installed at factory (Black or Bronze)

Accessories³

- Pole Guard, 1-Piece, 20" (Black or Bronze), Field Install
- Weed Eater Cover - heavy Duty, 2-Piece, Urethane
- Base Shroud 1-Piece
- Base Shroud 2-Piece



Footnotes

- Design criteria per AASHTO LTS-6-2013, with a minimum safety factor of 1.5 per ANSI C136.20-2012, 3 second gust wind speeds per ASCE 7-16, and velocity conversions per IBC 1609.3.1, 2018. Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not to exceed maximum allowable loading of the specified pole in its installed geographic location. EPA ratings available up to 180 mph or for EPA ratings calculated per AASHTO LRFD or other, alternate methods, contact sales@alliancecompositesinc.com for more information.
- EPA ratings shown are for light pole with a standard 2½" x 5" Hand Hole. EPA ratings with a 4" x 6" or a 4" x 12" Hand Hole. Custom color poles (Non-standard) will have a single fastener Hand Hole Cover with a backer bar, matching the color of the pole.
- Longer lead times may apply, contact factory.
- Customer to provide drill patterns. These will be available on the provided, engineering drawing, prior to PO acceptance.
- Pole weights are approximate, +/- 10% of stated value.

All products supported by best-in-class Engineering and Customer Service teams.

All specifications are subject to change without notice. Please visit alliancecompositesinc.com for latest information. Consult GEOTEK with specific inquiries.

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