



Style 20 Tapered Fluted Aluminum Pole

Made in USA - Virginia

LL-VA-S20-TF12

Style 20 - Structural

The pole shaft will be constructed of seamless extruded tube of 6063 Aluminum Alloy per the requirements of ASTM B221. The shaft shall be joined to the structural base by means of a complete circumferential weld in accordance with AWS Specification D1.2. The assembly shall be full-length heat-treated after weld to produce a T6 temper.



BASE

Cast Aluminum, 1-Piece Structural Pedestal Base of Alloy 356 per ASTM B26 or B108. The base shall have an access door with cast aluminum cover and stainless steel attaching hardware. An internal grounding provision will be provided opposite the access door.

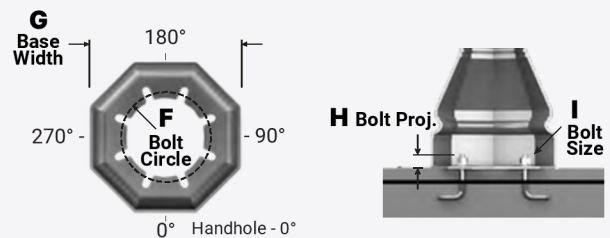
VIBRATION DAMPER

When determined necessary by LITELUME, a Vibration Damper will be factory-installed inside the pole shaft. Customer specification of the damper is available.



ANCHORAGE

Anchorage Kit will include four (4) L-shaped Steel Anchor Bolts conforming to AASHTO M314-90 Grade 55. Ten inches (10") of threaded end will be galvanized per ASTM A153. Kits will contain four (4) Hex Nuts, four (4) Lock Washers, and four (4) Flat Washers (all components Galvanized Steel). A bolt circle template will be provided.



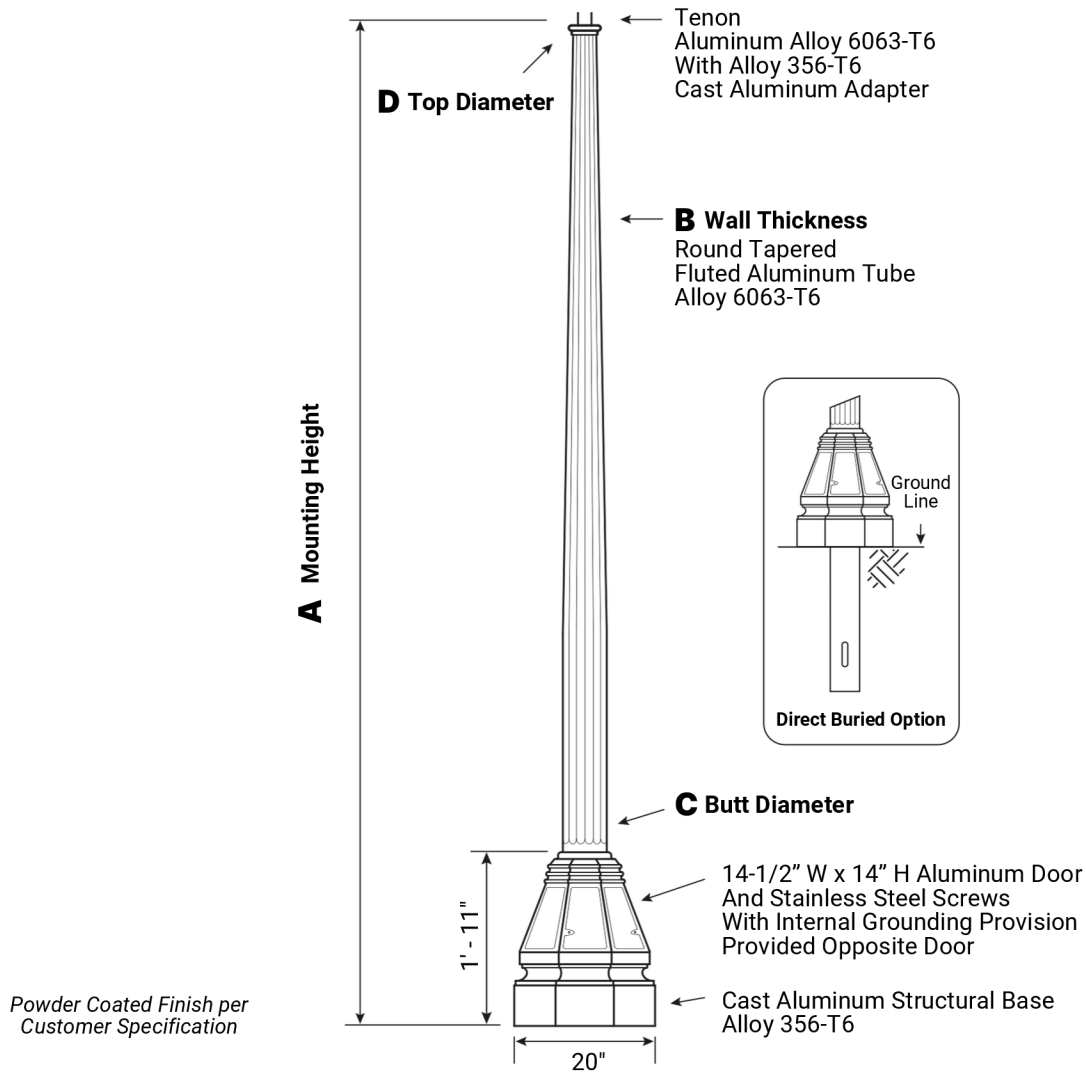
NOTE: All Style 20 pole options may be specified in designs utilizing Direct Buried anchorage.

WARNING: Do not install light pole without luminaire.



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C	D	F		G	H	I
Butt Dia.	Top Dia.	Bolt Cir. Dia.		Base Width	Bolt Proj.	Bolt Size
5	Varies	12 - 15	13 - 15	20	2.5	1 x 36 x 4
6	Varies	12 - 15	13 - 15	20	2.5	1 x 36 x 4
7	Varies	12 - 15	13 - 15	20	2.5	1 x 36 x 4
8	Varies	12 - 15	13 - 15	20	2.5	1 x 36 x 4

■ Square Bolt Pattern ◆ Diamond Bolt Pattern

Dimensions in Inches



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CATALOG NUMBER SYSTEM

The catalog number for LITELUME poles utilizes the following identification system.

LL-VA - S20 - -

Mounting Height Butt Dia. Shaft Style

Base Style Wall Thick. Anchorage Finish

Catalog Number Example

LL-VA-S20-18-B-6-4-TF12-BK

Style 20 Structural Base, 18' Mounting Height, .125" Wall Thickness, 6" Butt Diameter, 4-Bolt Base, Tapered Fluted Shaft - 12-Flute, Black Powder Coat Finish

A	B	C	TOTAL LUM. WEIGHT	MAXIMUM EPA						CATALOG NUMBER
MTG. HGT.	Wall Thickness	Butt Dia.		90	100	110	120	130	140	
8	0.125	5	100	25.6	20.6	16.8	13.9	11.6	9.9	LL-VA-S20-08-B-5-4-TF***
	0.188	5	100	28.6	22.9	18.8	15.6	13.1	11.2	LL-VA-S20-08-D-5-4-TF***
	0.125	6	100	37.5	30.2	24.7	20.6	17.4	14.9	LL-VA-S20-08-B-6-4-TF***
	0.188	6	100	45.2	36.4	29.8	24.9	21.0	18.0	LL-VA-S20-08-D-6-4-TF***
	0.125	7	100	51.7	41.7	34.1	28.5	24.2	20.7	LL-VA-S20-08-B-7-4-TF***
	0.188	7	100	53.8	43.4	35.6	29.8	25.2	21.6	LL-VA-S20-08-D-7-4-TF***
	0.125	8	100	67.9	54.8	45.0	37.6	31.9	27.4	LL-VA-S20-08-B-8-4-TF***
	0.188	8	100	86.4	70.0	57.4	48.2	40.9	35.2	LL-VA-S20-08-D-8-4-TF***
10	0.125	5	100	20.1	16.0	12.9	10.6	8.8	7.4	LL-VA-S20-10-B-5-4-TF***
	0.188	5	100	22.2	17.8	14.4	11.9	9.9	8.4	LL-VA-S20-10-D-5-4-TF***
	0.125	6	100	29.6	23.8	19.3	16.0	13.4	11.4	LL-VA-S20-10-B-6-4-TF***
	0.188	6	100	35.4	28.4	23.1	19.2	16.2	13.8	LL-VA-S20-10-D-6-4-TF***
	0.125	7	100	41.1	33.1	26.9	22.4	18.9	16.1	LL-VA-S20-10-B-7-4-TF***
	0.188	7	100	42.2	34.0	27.6	23.0	19.4	16.6	LL-VA-S20-10-D-7-4-TF***
	0.125	8	100	54.3	43.7	35.7	29.8	25.2	21.5	LL-VA-S20-10-B-8-4-TF***
	0.188	8	100	68.6	55.2	45.2	37.8	32.0	27.4	LL-VA-S20-10-D-8-4-TF***

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*4-Bolt Base Anchorage shown. For direct buried design replace -4 in catalog number with -E.



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A	B	C	TOTAL LUM. WEIGHT	MAXIMUM EPA						CATALOG NUMBER
MTG. HGT.	Wall Thickness	Butt Dia.		90	100	110	120	130	140	
12	0.125	5	100	15.8	12.4	10.0	8.1	6.6	5.5	LL-VA-S20-12-B-5-4-TF***
	0.188	5	100	18.0	14.2	11.4	9.3	7.7	6.4	LL-VA-S20-12-D-5-4-TF***
	0.125	6	100	24.0	19.1	15.4	12.6	10.5	8.8	LL-VA-S20-12-B-6-4-TF***
	0.188	6	100	28.8	23.0	18.6	15.2	12.8	10.8	LL-VA-S20-12-D-6-4-TF***
	0.125	7	100	33.6	26.9	21.7	18.0	15.1	12.8	LL-VA-S20-12-B-7-4-TF***
	0.188	7	100	34.4	27.6	22.2	18.4	15.4	13.1	LL-VA-S20-12-D-7-4-TF***
	0.125	8	100	44.8	35.9	29.1	24.2	20.3	17.3	LL-VA-S20-12-B-8-4-TF***
	0.188	8	100	56.2	45.2	36.8	30.6	25.8	22.0	LL-VA-S20-12-D-8-4-TF***
14	0.125	5	100	12.7	9.9	7.8	6.3	5.0	4.1	LL-VA-S20-14-B-5-4-TF***
	0.188	5	100	14.8	11.6	9.2	7.4	6.0	5.0	LL-VA-S20-14-D-5-4-TF***
	0.125	6	100	19.5	15.4	12.2	9.9	8.1	6.8	LL-VA-S20-14-B-6-4-TF***
	0.188	6	100	24.0	19.0	15.2	12.4	10.2	8.6	LL-VA-S20-14-D-6-4-TF***
	0.125	7	100	28.0	22.3	17.8	14.6	12.2	10.2	LL-VA-S20-14-B-7-4-TF***
	0.188	7	100	28.6	22.8	18.2	15.0	12.4	10.4	LL-VA-S20-14-D-7-4-TF***
	0.125	8	100	37.6	30.1	24.1	19.9	16.7	14.1	LL-VA-S20-14-B-8-4-TF***
	0.188	8	100	47.3	37.8	30.6	25.4	21.3	18.1	LL-VA-S20-14-D-8-4-TF***
16	0.125	5	100	10.1	7.7	6.0	4.7	3.7	2.9	LL-VA-S20-16-B-5-4-TF***
	0.188	5	100	12.2	9.4	7.4	5.8	4.6	3.7	LL-VA-S20-16-D-5-4-TF***
	0.125	6	100	15.8	12.3	9.6	7.7	6.2	5.0	LL-VA-S20-16-B-6-4-TF***
	0.188	6	100	19.8	15.6	12.3	9.9	8.0	6.6	LL-VA-S20-16-D-6-4-TF***
	0.125	7	100	22.8	18.0	14.1	11.5	9.4	7.8	LL-VA-S20-16-B-7-4-TF***
	0.188	7	100	23.6	18.7	14.7	12.0	9.8	8.2	LL-VA-S20-16-D-7-4-TF***
	0.125	8	100	31.3	24.9	19.7	16.2	13.4	11.3	LL-VA-S20-16-B-8-4-TF***
	0.188	8	100	39.5	31.6	25.2	20.8	17.4	14.7	LL-VA-S20-16-D-8-4-TF***
18	0.188	5	100	10.1	7.7	6.0	4.6	3.6	2.8	LL-VA-S20-18-D-5-4-TF***
	0.125	6	100	12.9	9.9	7.6	5.9	4.6	3.6	LL-VA-S20-18-B-6-4-TF***
	0.188	6	100	16.6	12.8	10.0	8.0	6.4	5.2	LL-VA-S20-18-D-6-4-TF***

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*4-Bolt Base Anchorage shown. For direct buried design replace -4 in catalog number with -E.



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A	B	C	TOTAL LUM. WEIGHT	MAXIMUM EPA						CATALOG NUMBER
MTG. HGT.	Wall Thickness	Butt Dia.		90	100	110	120	130	140	
18	0.125	7	100	18.8	14.7	11.3	9.1	7.4	6.0	LL-VA-S20-18-B-7-4-TF***
	0.188	7	100	19.8	15.5	12.0	9.6	7.8	6.4	LL-VA-S20-18-D-7-4-TF***
	0.125	8	100	25.9	20.5	16.0	13.0	10.7	8.9	LL-VA-S20-18-B-8-4-TF***
	0.188	8	100	33.4	26.6	21.0	17.2	14.3	12.0	LL-VA-S20-18-D-8-4-TF***
20	0.125	6	100	10.5	7.9	5.9	4.4	3.3	2.5	LL-VA-S20-20-B-6-4-TF***
	0.188	6	100	14.0	10.8	8.2	6.4	5.0	4.0	LL-VA-S20-20-D-6-4-TF***
	0.125	7	100	15.6	12.0	9.1	7.1	5.6	4.5	LL-VA-S20-20-B-7-4-TF***
	0.188	7	100	16.6	12.9	9.8	7.7	6.2	5.0	LL-VA-S20-20-D-7-4-TF***
	0.125	8	100	21.8	17.1	13.1	10.5	8.5	7.0	LL-VA-S20-20-B-8-4-TF***
	0.188	8	100	28.6	22.6	17.6	14.4	11.8	9.8	LL-VA-S20-20-D-8-4-TF***
25	0.125	6	95	5.7	4.2	2.8	1.8	1.0	-	LL-VA-S20-25-B-6-4-TF***
	0.188	6	40	9.5	7.0	5.0	3.6	2.6	1.8	LL-VA-S20-25-D-6-4-TF***
	0.125	8	100	14.2	10.8	7.7	5.8	4.4	3.3	LL-VA-S20-25-B-8-4-TF***
	0.188	8	100	19.9	15.4	11.5	9.0	7.2	5.6	LL-VA-S20-25-D-8-4-TF***

EPA Notes:

Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2015 AASHTO LRFD (7th Edition) using a 50-year design life. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight may reduce maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.

*4-Bolt Base Anchorage shown. For direct buried design replace -4 in catalog number with -E.

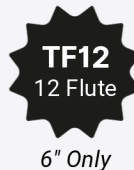
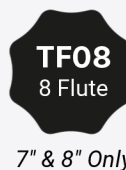
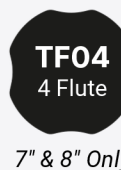
MOUNTING OPTIONS

Tenon Mount

For Tenon Mount applications specify both Tenon diameter and length.



FLUTE OPTIONS





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TAPERED FLUTED MOUNTING HEIGHTS

Butt Diameter	TF04/TF08 Up To	TF12 Up To	TF16 Up To
5"	N/A	18'	18'
6"	N/A	25'	25'
7"	16'	N/A	20'
8"	20'	N/A	25'

PROJECT NAME	
CATALOG #	
JOB TYPE	
PREPARED BY	
NOTES	

ORDERING GUIDE

Brand	Location	Base Style		Height
LL LITELUME	VA Virginia	S20 Style 20		8 = 8' 10 = 10' 12 = 12' 14 = 14' 16 = 16' 18 = 18' 20 = 20' 25 = 25'
Wall Thick.	Butt Dia.	Anchorage	Shaft Style	Finish
B = .125" D = .188"	5 = 5" 6 = 6" 7 = 7" 8 = 8"	4 = 4-Bolt Base E = Direct Buried	TF04 = Tapered Fluted – 4-Flute TF08 = Tapered Fluted – 8-Flute TF12 = Tapered Fluted – 12-Flute TF16 = Tapered Fluted – 16-Flute	POWDER COAT COLORS BK - Black Powder Coat WH - White Powder Coat DBZ - Dark Bronze Powder Coat DGR - Dark Green Powder Coat GY - Gray Powder Coat CUS - Custom Color* * Provide RAL # or Sample Color Chip