



DECORATIVE LAMP POST

POLE **CF50**

DECORATIVE BASE **D5M**

FLUTED TAPERED POLE

- Fluted, tapered composite pole
- Direct Embedded and Anchor Base models
- XTREME® elastomeric urethane base cover

Ordering Information

SAMPLE DESCRIPTION NUMBER LOGIC

	B	C	D	E	F	
CF50-D5M	12	AB	BLK	30	RC	
CF50-D5M	17	DE	WHT	40	•	
	BASE & POLE DESIGN	ABOVE GRADE HEIGHT	INSTALLATION METHOD	COLOR	TENON O.D.	OPTIONS

B ABOVE GRADE HEIGHT

Cat No.	Description
6	6 feet/1.83M
7	7 feet/2.13M
8	8 feet/2.44M
9	9 feet/2.74M
10	10 feet/3.0M
11	11 feet/3.4M
12	12 feet/3.7M
13	13 feet/4.0M
14	14 feet/4.3M
15	15 feet/4.6M
16	16 feet/4.9M
17	17 feet/5.2M

C INSTALLATION METHOD

Cat No.	Description
DE	Direct Embedded
AB	Anchor Base

D COLOR

Cat No.	Description
BLK	Black
DBZ	Dark Bronze
DGR	Dark Green
SLV	Silver
WHT	White
GRY	Grey
CC	Custom color - Please provide a min. 3"x3" color chip.
RAL	Please provide a four digit RAL color number.

E TENON O.D. (OUTSIDE DIAMETER)

Cat No.	Description
30	3" (76mm) OD X 3" (76 mm) height
40	4" (102mm) OD X 6" (178mm) height
99	Custom Tenon Size

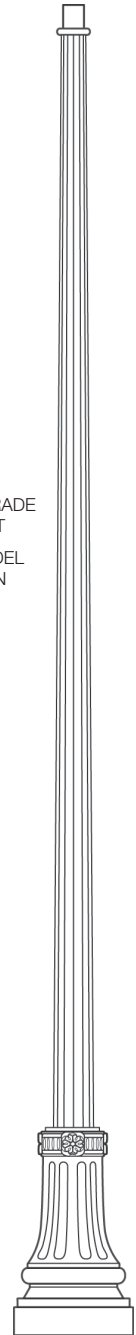
Tenons include a cast decorative ring at the top of the pole.

- For other tenon sizes contact the factory.

F OPTIONS

Cat No.	Description
RC	Receptacle housing and a NEC approved cover with GFCI receptacle. Standard location is 12"/305mm below the top of the pole.

- Other accessories are shown on the Accessories specification sheet.



ABOVE GRADE HEIGHT
17' MODEL SHOWN

HEIGHT: 36"/915MM

BASE DIAMETER: 20"/510MM

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Specifications

POLE SHAFT

The CF50 pole shaft shall be round tapered with 16 flutes and a .14" per foot taper, with the top of the post at 5.0" diameter. The hand hole shall be 2.5"/62mm x 5"/125mm with a cover. The shaft shall be constructed using an advanced resin transfer manufacturing process to produce an ornamental pole with extremely precise detail on the shaft flutes. The shaft is available in heights up to 17' above grade (for taller height, contact factory). The shaft shall be non-conductive and chemically inert. The poles shall be designed with a minimum safety factor of 1.5:1 and have a maximum deflection of 15% under full wind loading conditions. The fluting extends to the end of the pole and on embedded-type post shall serve as a resistance to rotation.

PERFORMANCE CRITERIA

The post shall be designed with a minimum safety factory of 1.5:1 and have no more than a 15% deflection at full wind loading. The post shall deflect no more than 2.5% above grade length with 100 lbs. of lateral top load (stiffness). Poles shall be tested and rated per ANSI C136.20-2012.

DIRECT EMBEDDED INSTALLATION

Direct embedded poles shall have a 2.5"/62mm x 5"/125mm slot for conduit entrance 24 inches (610mm) below finished grade. Embedded depths may vary per local codes, site soil conditions, drainage and very high wind conditions.

ANCHOR BASE

Anchor bases shall be constructed of galvanized steel or aluminum base plate. The base shall be factory bonded to the post. The anchor base shall have four holes at ninety degrees, accommodating a bolt circle of 9 inches to 12 inches.

POST TOP

A painted aluminum or galvanized steel tenon shall be firmly bonded to the pole for mounting a post-top luminaire or arm.

FINISH

The surface of the pole shall be uniform and consistent for the entire length of the post. A UV-resistant catalyzed urethane coating shall be extremely durable and retains its gloss after a 5000 hour exposure test (ASTM G-154), with no dulling or chalking of the surface.

ORNAMENTAL BASE COVER

The ornamental decorative base cover shall be on one or two-piece and constructed from a proprietary elastomeric urethane and finished to match the post. The base shall be corrosion free and extremely resistant to impact and chipping.

WARRANTY

The products shall be warranted to be free of defects for three years from the date of shipment from the factory.

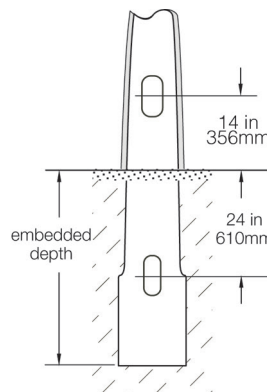
**Wind Loading Data
for Direct Embedded and Anchor Base**

Cat No.	Description	WT	WIND SPEED (MPH) WITH 3 SECOND GUST FACTOR							
			90	100	110	120	130	140	150	
6	6 feet/1.83M	55	11.9	9.4	7.5	6.1	5.0	4.2	3.6	
7	7 feet/2.13M	58	11.9	9.4	7.5	6.1	5.0	4.2	3.6	
8	8 feet/2.44M	61	11.9	9.4	7.5	6.1	5.0	4.2	3.6	
9	9 feet/2.74M	64	11.9	9.4	7.5	6.1	5.0	4.2	3.5	
10	10 feet/3.10M	67	11.9	9.4	7.5	6.1	5.0	4.2	3.5	
11	11 feet/3.35M	70	11.9	9.4	7.4	6.0	4.9	4.1	3.4	
12	12 feet/3.66M	75	11.9	9.3	7.4	5.9	4.8	4.0	3.3	
13	13 feet/3.96M	78	11.9	9.2	7.3	5.8	4.7	3.9	3.2	
14	14 feet/4.27M	82	11.8	9.1	7.1	5.7	4.6	3.7	3.1	
15	15 feet/4.57M	86	11.7	9.0	7.0	5.6	4.5	3.6	3.0	
16	16 feet/4.88M	90	10.7	8.2	6.3	5.0	4.0	3.2	2.6	
17	17 feet/5.18M	95	10.4	7.9	6.1	4.8	3.8	3.0	2.4	

Wind speed values are for a 3-second gust per ASCE 7-05. Calculated per ANSI C136.20-2012. Assumes load 12 inches above the pole top. Safety factor = 1.5:1. Maximum weight for tenon mount is 100 lbs. for side mounting, total loading cannot exceed 50 lbs. (max loading includes all attachments, arms, fixtures and accessories).

Contact the factory for AASHTO or specific local codes.

Direct Embedded - DE



SHAFT LENGTH	EMBEDDED DEPTH
6 to 13 feet	3ft / .91M
14 to 17 feet	4ft / 1.2M

* Embedded depths may vary per local codes, site soil conditions, drainage and very high wind conditions.

Anchor Base Installation - AB

