



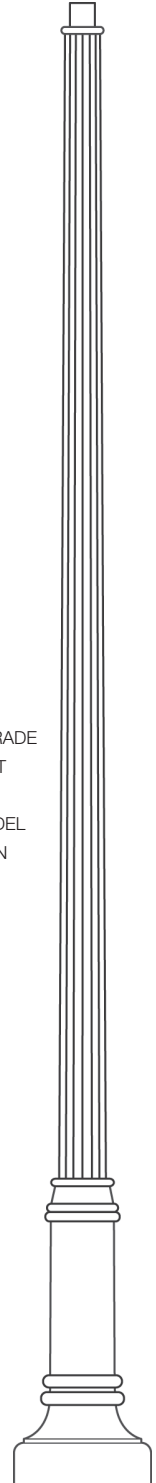
DECORATIVE LAMP POST

POLE **CF50**

FLUTED TAPERED POLE

DECORATIVE BASE **D21M**

- 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-D21M	- 12	- AB	- BLK	- 30	- RC	
CF50-D21M	- 18	- DE	- WHT	- 40	- •	
	BASE & POLE DESIGN	ABOVE GRADE HEIGHT	INSTALLATION METHOD	COLOR	TENON	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

E TENON SIZE

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

F OPTIONS

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

- *Other accessories are shown*

ABOVE GRADE HEIGHT

17' MODEL SHOWN

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" x 3" color chip.

HEIGHT: 48"/1245MM

BASE DIAMETER: 22"/560MM

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. Anchor bases shall be galvanized steel or aluminum, bonded to the shaft. A painted 6061-T6 tenon shall be bonded to the pole for mounting a post-top luminaire or arm. 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 6061-T6 aluminum 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) to the sun, 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

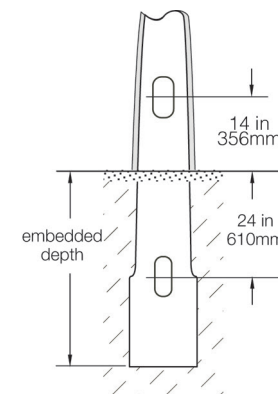
The products shall be warranted to be free of defects for three years from the date of shipment from the factory.

**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	7feet/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. 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).

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

