

Powder Coated Finish per Customer Specification.

C BUTT DIA.	D TOP DIA.	F BOLT CIR. DIA.	G BASE DIA.	H BOLT PROJ.	I BOLT SIZE
4	4	9 ▲	13.125	1.75	.75 x 17 x 3

▲ Triangle Bolt Pattern

Dimensions in Inches

### Base

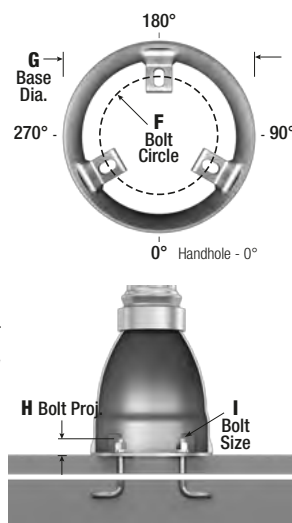
Cast Aluminum, 1-Piece Structural Pedestal Base of Alloy 356 per ASTM B26 or B108. The base shall have two access doors with cast aluminum covers and stainless steel attaching hardware. One grounding provision will be provided opposite the access doors.

### Pole

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.

### 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 LEUIN pole options may be specified in designs utilizing Direct Buried anchorage.

### Vibration Damper

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



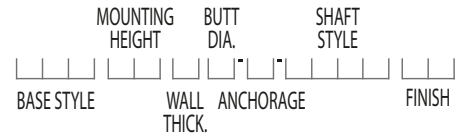
A MTG. HGT.	B WALL THICKNESS	C BUTT DIA.	TOTAL LUM. WEIGHT	90	100	MAXIMUM EPA 110	120	130	140	CATALOG NUMBER*
8	0.125	4	100	14.0	11.2	9.2	7.6	6.4	5.4	LES08B4-3-SF12-**
	0.188	4	100	14.0	11.2	9.2	7.6	6.4	5.4	LES08D4-3-SF12-**
10	0.125	4	100	10.7	8.5	6.8	5.6	4.6	3.8	LES10B4-3-SF12-**
	0.188	4	100	10.7	8.5	6.8	5.6	4.6	3.8	LES10D4-3-SF12-**
12	0.125	4	100	8.4	6.5	5.2	4.1	3.3	2.6	LES12B4-3-SF12-**
	0.188	4	100	8.4	6.5	5.2	4.1	3.3	2.6	LES12D4-3-SF12-**
14	0.125	4	60	6.5	5.0	3.8	2.9	2.2	1.6	LES14B4-3-SF12-**
	0.188	4	60	6.5	5.0	3.8	2.9	2.2	1.6	LES14D4-3-SF12-**
16	0.125	4	50	5.0	3.6	2.6	1.9	1.3	-	LES16B4-3-SF12-**
	0.188	4	40	5.0	3.6	2.6	1.9	1.3	0.8	LES16D4-3-SF12-**
18	0.125	4	40	3.8	2.6	1.7	1.0	-	-	LES18B4-3-SF12-**
	0.188	4	40	3.8	2.6	1.7	1.0	-	-	LES18D4-3-SF12-**
20	0.125	4	60	2.7	1.6	-	-	-	-	LES20B4-3-SF12-**
	0.188	4	40	2.7	1.6	0.9	-	-	-	LES20D4-3-SF12-**

**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.

### Catalog Number System

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



### Catalog Number Example -

**LES 14 D 4 - 3 - SF12 - BA**

LEUIN Structural Base, 14' Mounting Height,  
.188" Wall Thickness, 4" Butt Diameter, 3-Bolt Base,  
Straight Fluted Shaft - 12-Flute, Black Powder Coat Finish

### Wall Thickness

B = .125"  
D = .188"

### Butt Dia.

4 = 4"

### Anchorage

3 = 3-Bolt Base  
E = Direct Buried

### Shaft Style

SF12 = Straight Fluted - 12-Flute

### Powder Coat Finish

BA - Black Powder Coat      BV - Dark Green Powder Coat  
BH - White Powder Coat      GC - Gray Powder Coat  
BM - Dark Bronze Powder Coat      SC - Special Colors\*

\* Provide RAL # or Sample Color Chip

### Mounting Options

#### Tenon Mount

For Tenon Mount applications  
specify both Tenon diameter  
and length.



### Flute Options



CATALOG NUMBER:	QUANTITY:
CUSTOMER NAME:	
PROJECT:	LOCATION:
NOTES:	