

Powder Coated Finish per Customer Specification.

C BUTT DIA.	D TOP DIA.	F BOLT CIR. DIA.	G BASE WIDTH	H BOLT PROJ.	I BOLT SIZE
4	4	6.5 - 8.5 ■ ◆	10.75	2	.5 x 17 x 3

■ Square Bolt Pattern ◆ Diamond Bolt Pattern

Dimensions in Inches

### Base

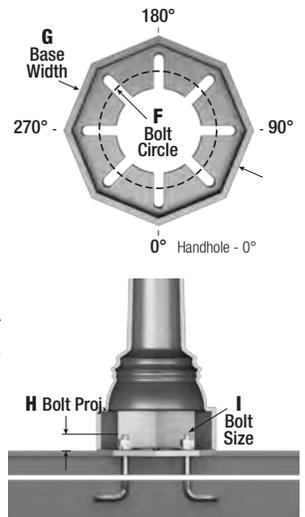
Cast Aluminum, 1-Piece Structural Pedestal Base of Alloy 356 per ASTM B26 or B108. The base shall have an access door with cast aluminum cover and stainless steel attaching hardware. An internal grounding provision will be provided opposite the access door.

### 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 KINGSTON 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.



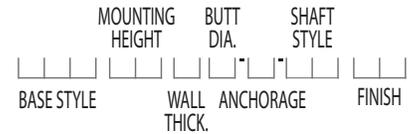
A MTG. HGT.	B WALL THICKNESS	C BUTT DIA.	TOTAL LUM. WEIGHT	MAXIMUM EPA						CATALOG NUMBER*
				90	100	110	120	130	140	
8	0.125	4	100	15.1	12.0	9.8	8.1	6.8	5.7	KIS08B4-4-SR-**
10	0.125	4	100	11.6	9.1	7.3	6.0	4.9	4.0	KIS10B4-4-SR-**
12	0.125	4	100	9.0	7.1	5.6	4.4	3.5	2.8	KIS12B4-4-SR-**
	0.188	4	100	9.0	7.0	5.6	4.4	3.5	2.8	KIS12D4-4-SR-**
14	0.125	4	70	7.2	5.5	4.2	3.2	2.4	1.8	KIS14B4-4-SR-**
	0.188	4	40	7.2	5.4	4.2	3.2	2.4	1.8	KIS14D4-4-SR-**
16	0.125	4	40	5.6	4.0	3.0	2.1	1.4	1.0	KIS16B4-4-SR-**
18	0.125	4	45	4.2	2.9	1.9	1.2	-	-	KIS18B4-4-SR-**
	0.188	4	40	4.2	3.0	2.0	1.2	-	-	KIS18D4-4-SR-**
	0.250	4	40	4.2	3.0	2.0	1.2	0.7	-	KIS18F4-4-SR-**
20	0.125	4	40	2.9	1.8	1.0	-	-	-	KIS20B4-4-SR-**
	0.188	4	45	3.1	2.0	1.2	-	-	-	KIS20D4-4-SR-**
	0.250	4	40	3.1	2.0	1.2	0.5	-	-	KIS20F4-4-SR-**
25	0.250	4	40	0.9	-	-	-	-	-	KIS25F4-4-SR-**

**EPA Notes:** Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2015 AASHTO LFRD (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 -

**KIS 14 D 4 - 4 - SR - BA**

KINGSTON Structural Base, 14' Mounting Height, .188" Wall Thickness, 4" Butt Diameter, 4-Bolt Base, Straight Round Shaft, Black Powder Coat Finish

### Wall Thickness

B = .125"  
D = .188"  
F = .250"

### Butt Dia.

4 = 4"

### Anchorage

4 = 4-Bolt Base  
E = Direct Buried

### Shaft Style

SR = Straight Round

### Powder Coat Finish

BA - Black Powder Coat  
BH - White Powder Coat  
BM - Dark Bronze Powder Coat  
BV - Dark Green Powder Coat  
GC - Gray 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.



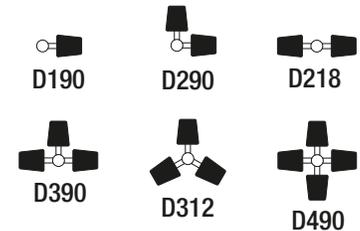
#### Side Drill Mount

Includes removable pole cap.

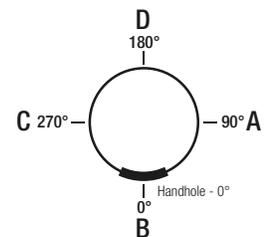
NOTE: A luminaire drilling template must be supplied at time of order.



### Drill Mount Options



### Pole Orientation



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