

## **DOWNTOWN STREET LIGHT POLE**

### **I. Quantity**

The base bid shall include the indicated number of steel poles furnished and erected as hereinafter specified and located as shown on the drawings.

### **II. Material**

#### **POLE**

The street light pole shall consist of a sharp fluted tapered shaft, 27'-0" steel shaft having a base welded to the lower end and be complete with four (4) hot dipped galvanized steel anchor bolts. The anchor base shall have four slotted holes to accommodate a 13" to 15" bolt circle. Each pole shall have one (1) fixed flagstaff holder mounted at 19' above base plate on the street side at a 45 degree angle. The pole shall also include banner arms on street side and sidewalk side. See attached drawing.

The complete unit shall be designed for wind loading of at least 90 M.P.H. The pole shaft will have a service opening cut into it. The size of the opening will be 5" x 9" in size and will be covered by the cast decorative base when installed. The service opening will be oriented 180 degrees to the luminaire orientation when standing in the street. A grounding lug will be braized to the inside of the pole shaft opposite the service opening. See attached drawing.

The banner arms shall be 1-1/16" O.D. schedule 80 pipe and extend through pole with set collars. Banner arms will be mounted at 18' and 13' and will be 30" in length. They will be oriented perpendicular to curb line. Each banner arm shall have 2" diameter decorative ball on each end of the banner arm. The flower basket arms will be mounted at 12' and will be oriented parallel to the curb line. It will be made like the banner arms. See attached drawing.

The clamshell base shall be cast aluminum and in no more than two (2) parts. The clamshell base shall be free from warping and fit together uniformly without binding or gaps at the point of juncture. The clamshell base shall have a single hand hole opening that aligns with the pole shaft hand hole opening. The hand hole opening in the clamshell base shall allow access to wiring without removing the complete clamshell base from the pole shaft.

Four (4) hot dipped galvanized steel anchor bolts shall be furnished with each pole. Bolts shall not be less than 1" x 40" each and shall be fitted with a hex nut and washer. Each anchor bolt shall have an "L" bend at the bottom end and be threaded at the top end. Threaded ends and all nuts and washers shall be galvanized. Anchor bolts shall be capable of resisting at yield strength stress the bending movement of the shaft at its yield strength stress.

All hardware (bolts, nuts and washers - but not including anchor bolts) not otherwise specifically designated in this specification, shall be stainless steel.

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**BRACKET**

The luminaire mast arm shall be 2-3/8" O.D. schedule 80 pipe, 8'-0" in length with profile and dimensions as shown on drawings. Include a 3/4" thick by 1 1/2" wide decorative strap arm support with profiles and dimensions shown on drawing. Provide a 3/8" wide x 3/4" long slotted opening at the bolt points to the arm and pole as shown on the drawing. See attached drawing.

**FINISH**

All metal components shall have black powder coated finish. All exposed fasteners shall be black anodized. All fixtures shall have standardized Allen head screws for the entire unit. Shaft and bracket arm assembly shall be tire-wrapped with a heavy water resistant paper for protection during shipment and installation.

**All pole components/assembly shall have visible manufacture name tag attached.**

**III. Installation**

The poles shall be set on the foundation securely anchored to the anchor bolts so that the service opening is opposite the curb. Poles shall be properly plumbed by means of shims.

**IV. Quotation**

The steel poles furnished and erected as hereinbefore specified shall be quoted on as a unit price each in the appropriate place of this document.

Manufacturer	Part Number(s)
Holophane	CCA0400HP4801
Lumec	SMA-BKTX-16340+3/R92D-27.5-BAS30(2)-IP-FH-BKTX-LMS16340A
Sun Valley	#SVPB-27'-CS3294REV1-BLK #XPY-MOD-CS3294REV1-BLK
Sun Valley/King Luminiare	#SVPB-27'-CS3294REV1-BLK #MOD-KA72-T-1-8-BLK
Sternberg	1-1914G3/FFAPT-8-HS/6030SRTF-DBA/FH/DHPA/BK

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