

POST TOP LUMINAIRE, 100W, 480V
LANTERN TYPE

I. Quantity

The base bid shall include the indicated number of 100 Watt High Pressure Sodium post top luminaires, octagonal lantern type, furnished and installed as hereinafter specified.

II. Material

A. Luminaire

Post mounted luminaire, lantern style, shall consist of a die-cast aluminum housing and pressed one piece prismatic borosilicate glass refractor and spun cast aluminum hinged top cover. The luminaire shall provide an IES/ANSI III light distribution. The luminaire shall be furnished with an internally mounted 480V ballast and protected starter, suitable for 100 watt vertical burning lamp. The housing shall be finished with an oven cured texture polyester powder paint (black).

- 1) Ballast Housing for 7? U Fitter, cast iron standard.

The cast aluminum housing shall fit a 7? U Fitter and be secured by four stainless steel set screws.

The luminaire shall be a Holophane Unique Solution # AR100HP48B63-PS or approved equal.

2. Lamps

The High Pressure Sodium lamps to be furnished with the luminaire shall be 100 watt with a rated life of 24,000 hours equal in quality, design and performance to North American Phillips Corp. ANSI Code # S54SB-100.

III. Installation

The post top luminaire, lantern type, shall be installed on the poles shown on the drawings and as indicated in the field by the engineer. Orientation and leveling of the units shall be so as to provide for uniform appearance, maximum lighting efficiency and ease of maintenance, as directed by the engineer.

IV. Information Required

Bidders shall also furnish complete performance data on the luminaire equipped with the lamp they propose to furnish. The data submitted shall contain at least the following information:

FAILURE TO FURNISH THE INFORMATION BELOW MAY RESULT IN REJECTION OF BID

Isocandle Curves from Photometric Test

Utilization Curves

Isolux Lines of Horizontal Foot-Candles from a single unit

Total Wattage of Fixture

Volt-Watt Traces

Lamp Trapezoid Traces

Drawings showing magnitude, shape, position and duration of starting pulse

Value of ballast losses

Ballast open circuit voltage

IV. Quotation

The complete Post Top Luminaire, lantern type, with lamp, shall be quoted as a unit price in each of the appropriate places in this document.

