

POST TOP LUMINAIRE, 100W, 240V, WITH PHOTOCONTROL
ACORN TYPE

I. Quantity

The base bid shall include the indicated number of 100 watt High Pressure Sodium post top luminaires with photocontrol, acorn type furnished and installed as hereinafter specified.

II. Material

A. Luminaire

The post top luminaire shall of a die cast aluminum housing with a raised oak leaf pattern. It shall fit a 2 7/8" to 3 1/8" O.D. tenon. The housing shall have a knock out for button type photocontrol. The housing shall contain a 240 volt auto-transformer ballast, starting circuit, lamp socket, and photocontrol. The casting shall be painted black to match the pole.

The refractor shall be a one piece borosilicate prismatic glass designed to provide IES/ANSI type III light distribution.

The luminaire shall be secured to the pole tenon by four hex head stainless steel set screws.

The luminaire shall be a Unique Solutions GV1A100HP24LB3A or approved equal.

B. Photocontrol

The electronic button photocontrol shall have a cadmium sulphide sensor, voltage range of 105 to 130 volts, 100 joule MOV, and full four year warranty.

The photocontrol shall be a Dark to Light DB Series Model DB120-15.ST or approved equal.

C. 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 Philips Corp. ANSI Code # S54SB-100.

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III. Installation

The post top luminaire acorn 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

V. Quotation

The complete Post Top Luminaire acorn type with photocontrol and lamp shall be quoted as a unit price in each in the appropriate place in this document.