

**LOW PRESSURE SODIUM (LPS) LUMINAIRES 35/55W**  
**480V**

I. Quantity

The base bid shall include the indicated number of low pressure sodium (LPS) luminaires (35/55w) complete with internal ballast and 55 watt LPS lamps wired and erected as hereinafter specified.

II. Material

- a. Luminaire - The luminaires shall be suitable for attachment by means of a slip-fitter connection to a 2" IPS bracket. The slip-fitter shall include means for securely attaching the luminaire and shall also provide for adjustment above or below the horizontal. Each luminaire shall consist of an internally-mounted ballast, a die cast aluminum housing forming the upper half of the assembly, an interior efficient reflector, and a moulded prismatic polycarbonate reflector mounted on a hinged holding ring. The assembly shall be drip proof and bug proof.
- b. Internal Ballast - The internal ballast shall be reactor type 480 volt, 35/55 watts. The entire unit shall be pre-wired and ready for installation. The luminaire shall be an approved equal in appearance, quality and design to American Electric, Ordering Code # SRX55L48SA.
- c. Lamps - The Low Pressure Sodium lamps to be furnished with the luminaire shall be 55 watt, with a rated life of 18,000 hours equal in quality, design and performance to North American Phillips Company SOX55.

III. Installation

The Luminaires shall be installed on the bracket as 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.

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IV. Information Required

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

Isocandle Curves from Photometric Test  
Utilization Curves  
Isolux Lines of Horizontal Foot-candles from a single unit  
Total Wattage of Fixture

V. Quotation

The complete 35/55 Watt Low Pressure Sodium Luminaire with lamp shall be quoted as a unit price in the appropriate place in this document.