

70W HPS LUMINAIRE - SPHERICAL 120 VOLT

I. Quantity

The base bid shall include the indicated number of luminaires to be furnished and installed as hereinafter specified.

II. Material

The fixture shall consist of an 18" spherical luminaire with an interior glass refractor mounted on an aluminum casting to support the fixture on a 3" O.D. tenon, and shall be wired for a HPS lamp.

The sphere shall be clear seamless type DR, high impact acrylic plastic. The interior refractor shall be of a borosilicate glass in IES Type 5 distribution pattern.

The sphere shall lock into an aluminum fitter assembly and shall be sealed against dirt and moisture by two weather-proof gaskets. The fitter ring assembly shall support a pre-wired lamp socket on its top surface. The H.I.D. ballast shall be a CWA type, 120 volt, in-tenon type, held by a bracket on the underside surface of the fitter ring assembly. Fitter shall securely lock into the inside of 3" O.D. tenon by means of a single bolt toggle action locking device.

All hardware shall be countersunk. All hardware and miscellaneous metal parts shall be aluminum or stainless steel. The fixture shall include all hardware necessary for complete installation. All aluminum surfaces on the luminaire shall be treated with an alodyne etch, washed, primed and finished with a dark bronze acrylic enamel to match the pole.

The fixture shall be wrapped and boxed to protect its finish during shipment and installation.

The entire fixture shall be Appleton Catalog No. G-GCR8L77-1-BZ or approved equal.

Lamp - The High Pressure Sodium lamp to be furnished with the luminaire shall be 70 watt, with a rated life of 24,000 hours equal in quality, design and performance to General Electric Company's LU70.

III. Installation

The luminaire shall be installed as indicated in the specification titled Aluminum Pole Short North.

IV. Quotation

The 70w HPS luminaire spherical shall be quoted as a unit price each in the appropriate place of this document.