

CITY OF AUSTIN, ELECTRIC UTILITY DEPARTMENT

PURCHASE SPECIFICATION

FOR

FLOODLIGHTS, HIGH PRESSURE SODIUM, 250W, 400W, 1000W

<u>Date</u>	<u>Prepared By</u>	<u>Issuance/Revision</u>	<u>Approval</u> Division Manager/ Standards Manager
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PURCHASE SPECIFICATION

FOR

FLOODLIGHTS, HIGH PRESSURE SODIUM, 250W, 400W, 1000W

1.0 SCOPE AND CLASSIFICATION

- 1.1 The material to be purchased under these specifications shall be high pressure sodium.
- 1.2 No deviations from these specifications on the part of the bidder will be allowed.
- 1.3 Any material supplied under these specifications not in complete compliance with these specifications shall be unacceptable.

2.0 FUNCTIONAL REQUIREMENTS

The high pressure sodium floodlights will be used in the lighting of softball fields.

3.0 PHYSICAL REQUIREMENTS

3.1 Lighting characteristics

High pressure sodium - 250 watt	NEMA type 6 NEMA type 6Hx6V Beam efficiency Minimum-54%
High pressure sodium - 400 watt	NEMA type 7
High pressure sodium - 1000 watt	NEMA type 7Hx6V Beam efficiency Minimum-53%

3.2 Ballast characteristics - 250 watt - 400 watt and 1000 watt

- 3.2.1 Regulating ballast, high pressure sodium.
- 3.2.2 Ballast shall operate high pressure sodium.
- 3.2.3 Primary voltage: 120/208/240/277 V taps for field connections
Quad voltage.
- 3.2.4 Temperature range for high pressure sodium lamps from 150 degrees to -20 degrees.

3.3 The floodlight shall have cast aluminum body and ballast enclosure with a 2" integral slip fitter mounting. Knuckle Type.

3.4 The reflector shall be Alzak Aluminum with an 80% reflectance factor.

3.5 The floodlight shall be of integral and/or separate ballast design to separate heat of lamp and ballast.

- 3.6 The unit shall have a completely sealed and filtered optical assembly.
- 3.7 The floodlight socket assembly shall secure the lamp firmly from vibration.
- 3.8 The fixture shall be supplied prewired with a 6 foot - 3 conductor #16 SO cord.

4.0 GENERAL REQUIREMENTS

- 4.1 Photometric data and ballast electrical characteristics shall be furnished with quotations submitted.
- 4.2 The complete fixture and ballast assembly shall be warranted for three (3) years.