

1. Scope

This Material Standard covers the requirements for furnishing and delivering high pressure sodium lamps for use in roadway and area lighting luminaires. The sizes shown in the following characteristics table shall be supplied under this Material Standard as requested on the Special Provisions Sheet. The lamps shall:

- Be manufactured in accordance with ANSI standards for mogul screw base high pressure sodium lamps.
- Be equipped with date marking provisions on their base.
- Provide satisfactory performance in any position.
- Be of a clear design (non-coated).
- Be dual arc-tube type when specified.

2. Characteristics

The following table lists lamp electrical and photometric specifications:

Lamp Type	LU-100	LU-150	LU-200	LU-250	LU-400
Material ID	1000093	543381	543414	543399	543406
Wattage	100	150	200	250	400
ANSI Ballast Code	S54	S55	S66	S50	S51
Nominal Lamp Volts	55V	55V	100V	100V	100V
Lamp Voltage Range	50-60	50-62	90-110	90-110	90-110
Initial Lumens (Min.)	9,500	16,000	22,000	28,000	50,000

3. Warranty

Each lamp shall carry a manufacturer's warranty for replacement as follows:

Lamp Failed Within Year	Replace With
1	2 new for 1 failed
2	1 new for 1 failed
3	1 new for 2 failed

4. Packaging Shipping

The lamps shall be packaged in a container suitable for easy handling, storage and protection from damage.

5. General Bidding Conditions

The attached general bidding conditions are made a part of this Material Standard.

6. Evaluation of Bids

The following factors will be considered in the analysis and evaluation of bids and subsequent bid award:

1. Past performance of bidder and product
2. Completeness of bidder's data
3. Conditions of warranty
4. Proposed delivery
5. Initial cost and escalations.