

Lamps, LED, Medium Base, White Light, Non-Dimmable



1. Scope

This standard covers the requirements for white, light-emitting diode (LED) lamps with medium screw bases.

This standard applies to Seattle City Light (SCL) Stock No. 014551.

2. Application

LED lamps are used for lighting in-building vaults.

Installations in enclosed fixtures require a minimum compartment size of 8.5 inches long by 6 inches wide, by 6 inches deep.

3. Industry Standards

LED lamps shall meet the applicable requirements of the latest revision of the following industry standard:

ANSI C78.20; American National Standard for Electric Lamps – A, G, PS, and Similar Shapes with E26 Medium Screw Bases

Standard Coordinator
Brett Hanson

A handwritten signature in black ink, reading "Brett Hanson".

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John Shipek

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Division Director
Tamara Jenkins

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4. Requirements

LED lamps shall meet the applicable requirements of ANSI C78.20 and Section 4.1 of this standard with the following clarifications:

- Lamp bases shall be E26 medium screw
- Lamp base connections shall be welded

LED lamps shall be:

- Instant-on
- Mercury-free
- Shatter-resistant
- UL Listed for installation in damp locations, but are not for use where exposed directly to weather or water
- Suitable for installation in open fixtures
- Non-dimmable

4.1 Lamp Performance

Color	5000K
HID Equivalent	100 W
Input Voltage	100-277 Vac
Nominal Input Power	22 W
Rated lamp life, minimum, hours	35,000
Operating temperature, range	
°C	-30 to 65
°F	-22 to 149
Power factor, minimum	0.90
Color rendering index (CRI), minimum	80

5. Packaging

LED lamps shall be individually packaged to prevent damage during shipping, storage, and casual handling prior to installation.

Individual packages shall be legibly marked with:

- Manufacturer name
- Manufacturer catalog number
- Product description
- SCL stock number

Shipping containers shall be legibly marked with:

- SCL purchase order number

6. Shipping

LED lamps shall be shipped in whole cartons only.

7. Issuance

Stock unit: EA

8. Approved Manufacturer

Manufacturer	Part No.
Satco	S49391

9. Sources

Hanson, Brett; SCL Standards Engineer and subject matter expert for 5722.83

Satco; Specification Sheet S49391, 22W/LED/HP/850/100-277V/E26