

Lamp, LED, Medium Base, Color Light



1. Scope

This standard covers the requirements for color, single-ended, light-emitting diode (LED) lamps with medium screw (E26) bases.

This standard applies to the following Seattle City Light stock numbers:

Stock No.	Incandescent Equivalent (W)	Color
013677	40	Red
013678	40	Green

2. Application

Color LED lamps are used as status indicators on vault-installed transformers.

Color LED lamps:

- Are instant-on.
- Are mercury-free.
- Have a minimum 200-degree beam spread.
- Are shatter resistant.
- Are UL Listed for installation in damp locations.
- Are suitable for installation in open and enclosed fixtures.
- Are dimmable.
- FCC and RoHS compliant.

3. Industry Standards

ANSI C78.20-2003 – American National Standard for Electric Lamps – A, G, PS, and Similar Shapes with E26 Medium Screw Bases

4. Requirements

Lamps shall meet the applicable requirements of ANSI C78.20 and Table 4 of this standard with the following clarifications:

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

Table 4. Requirements for Color LED Lamps

Stock No.	Color	Incandescent Equivalent (W)	Input Voltage (V)	Nominal Power (W)
013677	Red	40	120	5
013678	Green	40	120	6

4.1 Lamp Performance

Rated lamp life, minimum, hrs	25,000
Operating temperature range	
°C	-4 to 40
°F	-4 to 104
Power factor, minimum	0.90

5. Tests and Test Reports

Lamp test data that establishes compliance with the requirements of ANSI C78.20 and this standard shall be provided upon request.

6. Packaging

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

7. Shipping

Lamps shall be shipped in whole cartons only.

8. Issuance

EA

9. Approved Manufacturers

Stock No.	Color	Incandescent Equivalent (W)	Manufacturer	Catalog No.
013677	Red	40	Westinghouse	5A19/LED/R
013678	Green	40	Westinghouse	6A19/LED/G

10. Sources

Byun, Robin; SCL Standards Engineer and subject matter expert for 5722.91

Chao, Yaochiem; SCL Standards Engineer and originator of 5722.91
(yaochiem.chao@seattle.gov)

Westinghouse Lighting; Omni-Directional Specialty LED Lamp Specifications, Green and Red