

SECTION 16500
LIGHTING FIXTURES

PART 1 - GENERAL

1.1 DESCRIPTION

- A. This section describes general requirements, products and methods of execution relating to lighting fixtures approved for use at ANC.

1.2 QUALITY ASSURANCE

- A. The fixture shall be a standard catalog item as made by a nationally recognized manufacturer unless specifically approved by ANC.

PART 2 - PRODUCTS

2.1 GENERAL AND ACCESSORIES

- A. Provide fixtures with all required flanges and supports. Lighting fixtures shall be provided complete with all suspension, trim, mounting, and operating accessories normally considered necessary for a complete, functional, and safe installation.
- B. Canopies for pendant-hung fixtures shall be of the ball-joint type. Where more than one pendant is used per fixture, as in the case of fluorescents, a ball-joint fitting shall also be provided in the fixture-end of each pendant.
- C. Provide ball-joint canopies for cable hung fixtures.

2.2 LENSES

- A. Lenses for recessed fluorescent fixtures shall be 100 percent virgin acrylic with a minimum overall thickness of 0.125".

2.3 LINEAR FIXTURES

- A. "Linear" fixtures shall be provided with all corners, transitions, adjustable sections, custom angles, etc., to provide continuous linear systems. These features shall be provided to center the lamp cavity(s) of the fixtures within the designated mounting space(s) (typically wall-to-wall).

2.4 RECESSED FIXTURES

- A. Fixtures shall have thermal protection conforming to NEC and shall so be identified as thermally protected unless fixture is:
 - 1. Identified for use and installed in poured concrete, or
 - 2. Identified as suitable for installation in cavities where the thermal insulation will be in direct contact with the fixture.

PART 3 - EXECUTION

3.1 INSTALLATION AND CLEANING

- A. Install fixtures level, plumb and true. Align rows accurately in three dimensions. Verify type of ceilings as shown on architectural drawings.

- B. Support suspended acoustical ceiling fixtures according to the requirements of the applicable building codes as well as any local amendments, and Section 16190.
- C. Clean all fixtures and lenses prior to final acceptance.

END OF SECTION