

A-A-1535
July 28, 1981

COMMERCIAL ITEM DESCRIPTION
 FIXTURE, LIGHTING
 (FLUORESCENT SURFACE MOUNTED)

The General Services Administration has authorized the use of this commercial item description in preference to Federal Specification W-F-1662, class IV, arrangements A or C, mountings 10R2.

This commercial item description covers surface mounted fluorescent lighting fixtures for use on either 120V or 277V, 60 Hz alternating current.

Salient characteristics:

The fixture shall be individually mounted or row mounted.

The fixture shall reflect 85 to 95 percent of the light downward.

The reflective surfaces shall be white and have a reflectance of 86 percent.

Ballasts shall have the UL listing mark, class P, ETL certified and have a nonpolychlorinated biphenyl (PCB) insulating fluid.

Ballasts shall be rapid start with a high power factor.

The type of wires shall be in accordance with UL Standard 1570.

Ballasts, sockets, all electrical wiring and components shall be replaceable without removing fixture.

The ballast for two (40 watt) F40T12/RS lamps shall not exceed 90 input watts when tested in accordance with ANSI Standard C82.2.

Ballasts shall be held firmly in contact with the metal of the fixture.

F40T12/LW/RS or equal lamps shall be furnished.

The fixture shall have a steel housing with baked enamel finish.

Fixture housing shall have a separate installed grounding device, as required by UL 1570.

The diffuser shall be a prismatic acrylic patterned type with pyramid-prisms on the bottom enclosed in a metal frame and linear prisms on the sides (inside or outside).

The diffuser shall swing open on hinges from either side of the luminaire.

The diffuser shall have a hinging or a latching device so as to prevent actual disengagement of the diffuser frame from the fixture.

The types of fixtures shall be in accordance with table I.

TABLE I		
Type	Lamp No.	Volts
1	2F40T12	120
2	2F40T12	277
3	4F40T12	120
4	4F40T12	277

The fixture shall have the UL listing mark in accordance with UL Standard No. 1570

The issue of ANSI C82.2 and UL 1570 in effect on the date of the solicitation shall be used to determine compliance with these requirements.

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Certification. The contractor shall certify that the product offered meets the salient characteristics of this description, and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices, and is the same product sold in the commercial marketplace. The Government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

Regulatory requirements. The manufacturer shall utilize recovered materials to the maximum extent practicable.

Packaging, packing, and marking. Packaging, packing, and marking shall be as specified in the contract or order.

ANSI C82.2 is available from American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018.

UL Standard No. 1570 is available from Underwriters Laboratory, Inc., Publications Stock, 333 Pfingsten Road, Northbrook, IL 60062.

Preparing Activity:

GSA-FSS