

**LAMPS AND LIGHTING FIXTURES****PART ONE: GENERAL****1.1 Description**

- 1.1.1 Work of this Section, as shown or specified, shall be provided by the Interior Contractor and shall be in accordance with the requirements of the Contract Documents.
- 1.1.2 Work includes all labor, materials, equipment, accessories and appliances required to furnish and install Lamps and Lighting Fixtures as indicated on the drawings and herein specified.
- 1.1.3 Related work in other Sections:
  - a. Millwork Section 06410.
  - b. Casework Section 12302.
- 1.1.4 Interior Contractor shall provide templates for cutting of holes where required in Casework or Millwork for wiring access and attachment of fixtures as required for their installation.
- 1.1.5 Advise General Contractor of requirements relating to his placement of any blocking or supports which are to be used for anchoring or supporting lamps or light fixtures.
- 1.1.6 Interior Contractor shall provide and locate outlet boxes, receptacles, device plates, switches, and junction boxes, where they are a part of the fixture and indicated on drawings and specifications. All other electrical work shall be furnished and installed by the Electrical Contractor, including installation of conduits to fixtures, connection to boxes, and the wiring of electrical outlets and permanently mounted Lighting Fixtures.
- 1.1.7 The drawings indicate the desired basic design and dimensions of the Lamps and Lighting Fixtures; minor deviations therefrom may be substituted for approval according to Section 01640, and provided basic requirements are met and no major redesign is required to affect the proposed alteration. Such deviations shall be made without expense to Owner.

- 1.1.8 The Interior Contractor shall be responsible for the satisfactory operation of the Lamps and Lighting Fixtures. Tests of the installed Lamps and Lighting Fixtures shall be required. Defects or deficiencies noted as a result of tests shall be corrected to the entire satisfaction of the Owner and/or his agent at the expense of the Interior Contractor. The Interior Contractor shall consult the mechanical and electrical drawings and their accompanying specifications to determine additional requirements of the work, and shall cooperate with all trades to insure a completely satisfactory installation.
- 1.1.9 Required voltages, cycles and phase and electrical requirements shall be checked before ordering Lamps and Lighting Fixtures.
- 1.1.10 Before preparing shop drawings for work in this section, dimensions upon which the work will be contingent shall be verified.

## 1.2 Submittals

- 1.2.1 All submittals shall be made according to Section 01300 and as described herein.
- 1.2.2 Submit the following for each item:
- a. The Interior Contractor shall submit two (2) copies for approval of 3/4" (20 mm) scale shop drawings covering all items of work included; detail drawings shall show all dimensions and all details of installation and the relation to adjoining and related work; all reinforcements, anchorages and other work required for complete installation. One copy with approval or corrections shall be returned to the Interior Contractor who shall revise such drawings and resubmit two (2) additional copies for final approval. (Scale: 3/4" (20 mm) and larger, as required.) Shop drawing blueprints shall not be larger than 30" x 42" (760 x 1060 mm).
  - b. When requested by Consultant, provide one (1) working sample of each custom fabricated Lamp or Lighting Fixture.
- 1.2.3 After final approval Interior Contractor shall print and distribute four (4) copies of shop drawings to other interested parties, or as directed by the

Consultant.

- 1.2.4 Approval of such drawings shall not relieve the Interior Contractor from responsibility for any deviations from the drawings and specifications, unless such deviations are approved in writing by the Owner or his agent.
- 1.2.5 Review of samples will be for color and design concept; compliance with other requirements is the responsibility of the Interior Contractor.
- 1.2.6 All Lamps and Lighting Fixtures delivered and installed shall match the applicable approved samples and/or Shop Drawings.

### **1.3 Quality Assurance**

- 1.3.1 All Lamps and Lighting Fixtures shall be fabricated using experienced, skilled workmen to the highest standard of workmanship.
- 1.3.2 All work and materials shall conform to the drawings and specifications; any changes or deviations in materials or methods must be approved by the Consultant.
- 1.3.3 All Lamps and Lighting Fixtures shall be U.L. approved and shall meet requirements of local and state codes where applicable. Comply with all laws, ordinances, rules and regulations and orders of any public authority having jurisdiction over this part of the work.
- 1.3.4 The Interior Contractor shall be responsible for taking accurate job-site measurements for all dimensions related to the work.
- 1.3.5 The Interior Contractor shall examine all conditions pertaining to the installation of Lamps and Lighting Fixtures and shall provide all coordination as required to achieve the proper and timely completion of the installation.
- 1.3.6 The Interior Contractor will not change source or brands of materials during the course of the work, unless approved by Consultant.
- 1.3.7 All lamps and lighting fixtures shall be provided for intended use as recommended by Manufacturer. Installation shall be according to manufacturers instruction.

**1.4 Product Handling**

- 1.4.1 Use all means necessary to protect the materials of this Section before, during and after installation and to protect the work and materials of all other trades.
- 1.4.2 In the event of damage, immediately make all repairs and replacements needed to the approval of the Owner and with no additional cost to the Owner.

**PART TWO: PRODUCTS****2.1 Lamps and Lighting Fixtures**

- 2.1.1 All Lamps and Lighting Fixtures shall be provided as indicated on drawings and specifications and as described herein.
- 2.1.2 "Cord and plug" shall mean a sufficient length (from item to receptacle) of insulated cord with polarized cap of sufficient size and capacity to carry the connected load. Plug shall match receptacles. Unless specified otherwise cord shall be clear and 8'-0" (2.4 M) in length.

**PART THREE: EXECUTION****3.1 Delivery and Storage**

- 3.1.1 The Lamps and Lighting Fixtures and fixtures shall be delivered and installed on schedule.
- 3.1.2 Insofar as possible, all custom work shall be fabricated and finished in the shop and delivered complete to the jobsite ready to set in place.
- 3.1.3 Follow manufacturers' recommendations for all handling and storage of Lamps and Lighting Fixtures.

**3.2 Installation**

- 3.2.1 Installation of Lamps and Lighting Fixtures shall be in strict accordance with Manufacturer's approved shop and installation drawings.
- 3.2.2 Repair any damage done to the premises as a result of installation of Lamps and Lighting Fixtures.
- 3.2.3 All soil marks, flaws or other defects shall be eliminated, removed or repaired as directed by the Owner prior to final acceptance.

3.2.4 The Interior Contractor shall correct any installation defects within a reasonable period of time.

3.2.5 The Interior Contractor shall be responsible for cleaning up any debris resulting from his work.

**END OF SECTION**