

## SECTION 265100 - INTERIOR LIGHTING

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### 1.2 STANDARDS AND CODES

- A. Except where otherwise required by this Section, the following Standards and Codes shall govern:
  - 1. NEC Article 410
  - 2. UL Listed

#### 1.3 SUBMITTALS

- A. Submit catalog cuts giving complete description of fixtures to include photometric curves and method of installation.

#### 1.4 QUALIFICATION

- A. The lighting fixtures listed in the fixture schedule are the basis of design for the lighting systems. Substitutions will be considered if proposed fixtures are equivalent in all respects as to performance; quality of construction suitability for the application and appearance, including aesthetic considerations for compatibility with the architecture.
- B. The Contractor shall be responsible for all changes and modifications to the work required to accommodate the substitute fixtures of accepted, including costs of additional design engineering work if any.
- C. Final review for fixtures will be when shop drawings are submitted. The Owner or Engineer reserves the right to reject any fixtures which, in his opinion, do not meet the overall lighting system design. Upon request, the fixture supplier shall submit sample fixtures.

### PART 2 - PRODUCTS

#### 2.1 FLUORESCENT FIXTURES

- A. Temperature around ballast and in fixture housing shall not exceed 90°C with ambient room temperature of 27°C.

- B. Fluorescent ballast shall be electronic with 20% maximum harmonic distortion.
- C. Recessed fixtures in plaster ceilings shall be furnished with plaster frames.
- D. Prior to placing orders for recessed fluorescent fixtures. Contractor shall verify the types of ceilings that have been approved for the project and shall order fixtures with flanges as required to fit in the approved ceilings.

## 2.2 INCANDESCENT FIXTURES

- A. Recessed fixtures shall be furnished with gaskets, so designed and installed that they will completely eliminate light leakage between flanges and ceilings.

## 2.3 LAMPS

- A. Furnish lamps for all fixtures as per schedule on Drawings.
- B. All fluorescent lamps in residential units shall be 3000°K with a CRI of 82 or higher.
- C. All fluorescent lamps in Clubhouse shall be 3500°K with a CRI of 82 or higher.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Install fixtures; coordinate exact location with Architect's reflected ceiling plan.
- B. Fixtures shall be grounded. Lamp sockets shall be wired so that the outer connected to the neutral grounded conductor.

END OF SECTION 265100