

LUMINATO – PORTLAND, MAINE

SECTION 26 51 13

INTERIOR LIGHTING

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Interior luminaires and accessories.

1.2 RELATED SECTIONS

- A. Section 26 05 33 – Raceway and Boxes
- B. Section 26 09 43 – Lighting Controls

1.3 REFERENCES

- A. ANSI/NFPA 70 - National Electrical Code.

1.4 SUBMITTALS

- A. Shop Drawings: Indicate dimensions and components for each luminaire that is not a standard product of the manufacturer.
- B. Product data: Provide dimensions, ratings and performance data.

1.5 PROJECT RECORD DOCUMENTS

- A. Accurately record actual locations of each luminaire.

1.6 REGULATORY REQUIREMENTS

- A. Conform to requirements of ANSI/NFPA 70.
- B. Furnish products listed and classified by Underwriters Laboratories, Inc. as suitable for purpose specified and shown.

LUMINATO – PORTLAND, MAINE

PART 2 - PRODUCTS

2.1 LUMINAIRES

- A. Furnish products as specified in schedule attached to this Section.
- B. Luminaires and LED lamps shall have been tested according to *IESNA* LM-79 and LM-80. Test results shall be provided if requested.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrate and supporting grids for luminaires.
- B. Examine each luminaire to determine suitability for lamps specified.

3.2 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install suspended luminaires using pendants supported from swivel hangers. Provide pendant length required to suspend luminaire at indicated height.
- C. Locate ceiling luminaires as indicated on The Architectural reflected ceiling plans. Consult the Architect for heights of wall mounted luminaires prior to rough-in.
- D. Install surface mounted luminaires plumb and adjust to align with building lines and with each other. Secure to prohibit movement.
- E. Install recessed luminaires to permit removal from below.
- F. Install recessed luminaires using accessories and firestopping materials to meet regulatory requirements for fire rating.
- G. Install accessories furnished with each luminaire.
- H. Make wiring connections to branch circuit using building wire with insulation suitable for temperature conditions within luminaire.
- I. Bond products and metal accessories to branch circuit equipment grounding conductor.
- J. Install specified lamps in each luminaire.

3.3 FIELD QUALITY CONTROL

LUMINATO – PORTLAND, MAINE

- A. Operate each luminaire after installation and connection. Inspect for proper connection and operation.

3.4 ADJUSTING

- A. Aim and adjust luminaires as directed.
- B. Re-lamp luminaires that have failed lamps at Substantial Completion.

3.5 CLEANING

- A. Clean electrical parts to remove conductive and deleterious materials. Remove dirt and debris from enclosure. Clean photometric control surfaces as recommended by manufacturer. Clean finishes and touch up damage.

END OF SECTION