

Division 26 Electrical and Lighting Specification: LT-1BOX™ Lighting Controls Enclosure

DIVISION 26 - ELECTRICAL AND LIGHTING

SECTION 26 09 23 - LIGHTING CONTROL DEVICES

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Enclosure Details.
- B. Components required.
- C. Wiring, connections, and necessary requirements.

1.02 RELATED SECTIONS

- A. Division 26 Section "Electrical" for general electrical requirements.
- B. Division 16 Section "Basic Electrical Materials and Methods" for wiring requirements.

1.03 REFERENCES

- A. National Electrical Manufacturers Association (NEMA).
- B. Institute of Electrical and Electronics Engineers (IEEE).
- C. National Electrical Code (NEC).

1.04 SUBMITTALS

- A. Product Data: Submit manufacturer's product literature, including technical data sheets and installation instructions for all components.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Acceptable Manufacturer: Lumentender Controls Solutions, Inc.

2.02 ENCLOSURE DETAILS

- A. Stainless Steel Quick Release Latches with Padlock Hasps.
- B. Fully Gasketed Raised Lid.

- C. Integral Mounting Flange.
- D. RoHS Compliant materials
- E. NEMA Type 4, 4X IP66 rating.
- F. UV Inhibited Fiberglass.
- G. UL94-5VFlame Rating.

2.03 COMPONENTS

- A. DIN rail mount.
- B. Arch. Lighting Controller (As Required.)
- C. Networking components.
- D. Broadband Cellular component (As Required).
- E. DMX Distribution (As Required).
- F. Wireless DMX Enabled.
- G. Line Voltage Surge protection.
- H. Low Voltage Surge protection.
- I. UPS Battery Back up.
- J. Pre-Assembled and bench tested as a complete working control system.
- K. Lumentender Cloud Based Controls Enabled.

2.04 POWER

- A. Provide necessary power and wiring for the installation of the enclosure.
- B. Wiring shall conform to NEC standards and manufacturer recommendations.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Verify that electrical wiring and connections are in place and ready for installation.

3.02 TRAINING

- A. Provide training to building staff on the operation and maintenance of the system.
- B. Include instruction on programming schedules, adjusting settings, creating custom scenes, and troubleshooting common issues.

3.03 DEMONSTRATION

- A. Demonstrate the functionality of the system to the owner or owner's representative.
- B. Address any questions or concerns regarding the operation of the system.

3.04 WARRANTY

- A. Provide a minimum one-year warranty covering all components and workmanship of the system.

END OF SECTION
