

## Part I – General

### 1.1 Scope

A. Furnish letters-logos, as components, for Lit LUXE LED Lit Letters, shown on drawings and herein specified.

### 1.2 Submittals

- A. Manufacturer's illustrated product literature and specifications.
- B. Installation, wiring and UL instructions

### 1.3 Quality Assurance

- A. Manufacturer to have a minimum of 20 years experience in manufacturing letters.
- B. All letters to be manufactured by one manufacturer.

## Part II – Products

### 2.1 Acceptable Manufacturer or Manufacturer's Representative

- A. Gemini Incorporated  
103 Mensing Way  
Cannon Falls, MN 55009  
Phone: 800-538-8377 or 507-263-3957  
Fax: 800-421-1256 or 507-263-4887  
Email: sales@geminisignproducts.com  
Web: www.geminisignproducts.com

### 2.2 Materials

- A. Precision LUXE: Cast Acrylic base with Translucent Acrylic face. Fully recyclable.
- B. Premium LUXE: Cast Acrylic base and face – covered with 3M translucent vinyl.
  - 1. Self Ignition temperature of 833° F (470°C), using ASTM D 1929.
  - 2. Flame Spread Index: 115 UL723, per ASTM E84
  - 3. Smoke Develop. Index: 550, per UL723 and ASTM D 2843
  - 4. Thermal Expansion rate: .00028/inch.

### 2.3 General Construction

#### Precision White LUXE

- A. Precision cut, two part letters and logos Produced to match custom styles per custom vector art.
- B. Letter base (face & return) are cut from 1-1/2" thick cast trans white acrylic.
- C. Backs cut as separate acrylic pieces – assembled to base with screws (removable to service LEDs) - drilled and tapped for a standard 2" long 10-24 aluminum stud, or longer studs with spacers, per customer requests.
- D. Letter sizes from 8"-24", with 1.25"-5" strokes per art. .
- E. White LEDs are populated into precision cut base and wired for Class 2 lighting. LEDs can be serviced with removal of backs. LEDs light face and returns.
- F. UL Certified: supplied with LEDs, power supplies, 36" standard lead cables, UL Certified Sign Section labels, wiring instructions.

#### Premium LUXE:

- A. Premium, two part letters and logos Produced to match custom styles per custom vector art.
- B. Letter base (face & return) cut from 1-1/2" thick cast trans white acrylic, returns or returns and backs are painted, face is covered with translucent 3M vinyl..
- C. Backs cut as separate acrylic pieces - assembled to base with screws (removable to service LEDs) - drilled and tapped for a standard 2" long 10-24 aluminum stud, or longer studs with spacers, per customer requests.
- D. Letter sizes from 8"-24", with 1"-5" strokes per art. .
- E. LEDs are populated into precision cut base and wired for Class 2 lighting. LEDs can be serviced with removal of backs. LEDs light face of letters. Optional LED colors to match face colors.
- F. UL Certified: supplied with LEDs, power supplies, 36" standard lead cables, UL Certified Sign Section labels, wiring instructions.

### 2.4 Mounting Hardware

- A. LUXE letters are supplied with standard 36" lead cables (longer cable optional), studs for mounting, power supplies, UL wiring instructions.
- All other hardware, wiring, and supplies to be provided by customer or installer.

### 2.5 Manufacture

- A. Letters shall be made of cast acrylic bases, as either Precision White or Premium, with translucent acrylic faces.
- B. Letters shall be supplied with LEDs, power supplies, lead cables, and UL Certified Sign Section labels.
- C. Letter shall be \_\_\_\_\_ letter style and shall be \_\_\_\_\_ inches high, as indicated on the drawings.
- D. Mounting shall be \_\_\_\_\_ and a mounting template designating stud locations is/is not required for mounting on a \_\_\_\_\_ surface

**Part III – Execution**

**3.1 Installation**

A. A qualified installer shall install LUXE Letters and Logos per NEC, UL and local electrical codes and rules.

**3.2 Warranty**

A. Letters should be guaranteed for the life of the business against defects.

B. LEDs and power supplies carry a 4 year defect warranty.

**3.3 Maintenance**

A. Cleaning as needed per manufacturer recommendations. LED & wiring repairs/replacements by certified electrician.