

LUXE – Precision Cut LED Lit Letters/Logos Specifications

Rev. 11/1/16

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. Cast Acrylic base with Translucent Acrylic face. Fully recyclable.

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

A. Precision cut, two part letters and logos Produced to match custom styles per custom vector art.

B. Letter base is cut from 1-1/2"thick cast clear or trans white acrylic, then returns or returns and backs are painted. Backs are drilled and tapped for a standard 2"long 10-24 aluminum stud, or longer studs with spacers, per customer requests.

C. Faces are precision cut from clear or translucent colored acrylic and glued to backs (after LED population).

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 are non-removable once constructed.

Face, Halo or Face and Halo lighting options available. Optional LED colors to match face colors.

F. Supplied with UL Listed sign section labels, UL approved LEDs, lead wires and 12VDC power supplies.

2.4 Mounting Hardware

A. Precision cut LUXE letters are supplied with lead wired (cables), studs for mounting, and power supplies.

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 with translucent acrylic faces.

B. Letter shall be _____ letter style and shall be _____ inches high, as indicated on the drawings.

C. 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 Precision Cut Letters and Logos per NEC, UL and local electrical rules.

3.2 Warranty

A. Letters should be guaranteed for the life of the business against defects. LED are not guaranteed.

B. LED warranty (typical 3 years) carried by the LED manufacturer. Letters are not designed to allow LED replacements, as faces are glued to cans.

3.3 Maintenance

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