

GemLite Formed Channel Letters/Logos Specifications

Rev. 3/18/15

Part I – General

1.1 Scope

A. Furnish letters-logos, as components, for Lit or Non-Lit GemLite Channel 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. Cellulose Acetate Butyrate(CAB.),LED colors. Wood and Cotton fiber based plastic (non-petroleum). Fully recyclable.
- B. Material tested to J2527, based on test parameters of SAE J1960 for UV exposure resistance and UL 48.
 - 1. Specific heat of about 0.35. Specific Gravity 1.16-1.21
 - 2. Heat Combustion of approximately 10,400 BTU per pound (2.42 x 10⁷ J/Kg).
 - 3. Self Ignition temperature of 880° F (470°C), using ASTM D 1929.
 - 4. UL94 Flame Class: 94HB. Flame Spread Index: 130 (NFPA 286: Group B: Flame Spread: 26-75)
 - 5. Burn rate of .08/min.
 - 6. Smoke Develop. Index: 416
 - 7. Thermal Expansion rate: .00008/inch.

2.3 General Construction

- A. Thermoformed. two part letters, in either Standard Styles or Custom Styles per custom vector art.
- B. Colors: made in one of 8 standard pigmented, light diffused LED formulated, CAB. colors, or Chrome laminate.
- C. Face Profiles: Flat face, Round Face or Prismatic Face. Individual Letters or connected script. Standard GemLite two-part face/back or optional Flush face construction.
- D. Standard Letter sizes or custom sizes per art. Largest single piece= 45" x 68".
- E. Faces available with translucent face for LED lighting, or opaque face to allow for Halo lighting.
- F. Available with an optional UL Listed LED lighting package or plain (customer to LED light themselves).

2.4 Mounting Hardware

- A. GemLite Formed letters are supplied with face screws (in optional LED Lit package), or standard formed mounting hardware with a optional Halo construction. All other hardware and wiring supplies provided by customer or installer.

2.5 Manufacture

- A. Letters shall be made of cellulose acetate butyrate (C.A.B), LED diffused pigment colors.
- 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 GemLite Formed Channel letters and logos.

3.2 Warranty

- A. Letters should be guaranteed for the life of the business against defects.
- B. LED warranty (typical 3 years) carried by the LED manufacturer.

3.3 Maintenance

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