GemLite Formed Channel Letters/Logos Specifications

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 25 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).
   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

2.3 General Construction
A. Thermoformed: two part construction, separate face and back pieces, in either standard or custom styles per vector art.
B. Colors: made in one of 8 standard pigmented, light diffused LED formulated, CAB colors, polished or brushed chrome laminate.
C. Face Profiles: flat, round, or prismatic face. Individual letters, connected script, or logos.
D. Construction type: Traditional GemLite face, back portion partially exposed, or optional flush face.
E. Sizes: Letter’s 9”-36”high, or MINI GemLites, 6”-9”high. Logos or panels up to 45”x 68”.
F. Lighting: face and side lit, halo lit, face lit with painted sides, border and side lit-painted face, face & side lit-paint lip, side lit – painted face.
G. UL Certified: when supplied with LEDs, power supplies, and 36”standard lead cable, UL certified with UL Sign Section labels and wiring instructions. Optional – non-lit (customers can light with LEDs themselves).

2.4 Mounting Hardware
A. GemLite Formed letters are supplied with face screws (with UL Certified 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 (CAB), LED diffused pigment colors.
B. Letter shall be __________________ letter style and shall be __________ inches high, as indicated on the drawings.
C. Letters shall/shall not be UL Certified, with _________color LEDs.
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 GemLite Formed Channel letters and logos.

3.2 Warranty
A. Letters should be guaranteed for the life of the business against defects.
B. Manufacturer’s 4-year warranty on LEDs and power supplies.

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