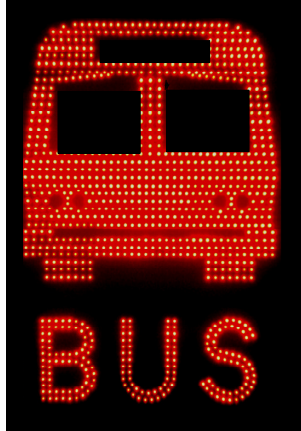




National Sign and Signal



LED Blank Out Signs

Features

- Exceptional message visibility and clarity
- Ideal for all standard traffic control applications
- Utilizes all standard ITE colors
- Single or double face models
- Cost efficient
- Provides 50,000 / 100,000 hours lamp life
- Capable of displaying multiple messages
- Low power consumption
- Low Maintenance
- Complete blank out when not energized
- Housing shall be NEMA 4 rating
- UL listed components

1.0 General Description

1.1 Each side of a one-way or two-way sign shall be capable of displaying multiple overlaid messages.

1.2 Legends or symbols shall be formed by single or double rows of LED's.

1.2 Legends shall conform to the standard FHWA / MUTCD specification.

- 1.3 Custom legends or symbols available for special applications.

2.0 Functional Requirements

- 2.1 All messages or symbols shall be clearly legible attracting attention under any lighting conditions.
- 2.2 The sign shall completely blank out when not energized. No phantom words or legend shall be seen under any ambient light condition.
- 2.3 LED illumination display the message(s) or symbol(s).
- 2.4 A matte/clear lens mounted in the doorframe shall protect the entire sign face from UV light.
- 2.5 Transformers or LED Drivers shall be used to reduce the incoming 120 volts to the manufacturer suggested operating voltage and current.
- 2.6 The sign shall be capable of continuous operation over a range in temperatures from -35 degrees to +140 degrees Fahrenheit (-37 degrees to +60 degrees Celsius).

3.0 Mechanical Construction

- 3.1 Housing shall be constructed of extruded aluminum.
- 3.2 All components shall be readily accessible.
- 3.3 All corners or seams are heli-arc welded to provide a weatherproof seal around the entire case.
- 3.4 A continuous stainless steel hinge shall attach the housing and doors.
- 3.5 Doors shall be constructed of extruded aluminum and have one side removable to gain access to the sign face.
- 3.6 Sign face shall be constructed of aluminum and shall have the LED assembly mounted to it.
- 3.7 Sign shall have one or more stainless steel link locks to tightly secure the door to the gasket.

3.8 A visor shall be provided to protect the sign face from direct sunlight.

3.9 Drainage shall be provided by drain holes located on the housing bottom.

4.0 LED Modules

4.1 LED assembly shall be mounted to flat black aluminum panel.

4.2 LED's shall be conformal coated for protection.

4.3 LED driver(s) shall be attached to panel