

## GL GAUGE LIGHT Specifications



LED (left) and HPS (right) Models



Rear Views

**GENERAL / APPLICATION:** The gauge light shall be Model GL, as manufactured by B&B Roadway, LLC, (888) 560-2060, and shall be designed for use as a gauge sign illumination light, per Coast Guard requirements.

**FIXTURE (HPS Model):** [Note: This paragraph applies to the High Pressure Sodium fixture ONLY.] The fixture housing body shall be of precision die cast aluminum with a durable powder coat finish. All components shall be corrosion resistant. Construction shall be rain-tight and shall be equipped with a retained gasket. Lens shall be thermal-tempered shock-resistant glass. A reflector shall be used to maximize light output. Fixture shall be designed with a hood to reduce glare. Fixture head rotation shall be adjustable and incorporate locking teeth and internal gasket for secure, leak-free positioning of the head. Hinge pins and external fasteners shall be of stainless steel.

**FIXTURE (LED Model):** [Note: This paragraph applies to the LED fixture ONLY.] The fixture housing body shall be of precision die cast aluminum with a durable powder coat finish. All components shall be corrosion resistant. Construction shall be rain-tight and shall be equipped with a retained gasket. Lens shall be thermal-tempered shock-resistant glass. Fixture head rotation shall be adjustable and incorporate locking teeth and internal gasket for secure, leak-free positioning of the head. Hinge pins and external fasteners shall be of stainless steel.

**LAMP (HPS Model):** [Note: This paragraph applies to the High Pressure Sodium fixture ONLY.] Lamp shall be 35W 120V, clear, high pressure sodium, medium base, rated for 24,000 hours life. Starting amps shall be 1.4A. Operating amps shall be .9A at 120VAC. A 2-position adjustable socket shall enable beam spread adjustment. No tools shall be required for re-lamping.

**LAMP (LED Model):** [Note: This paragraph applies to the LED fixture ONLY.] Lamp shall be a 12V LED array. Nominal life shall exceed 50,000 hours. Supply power shall be 12VDC, or, when specified as an option, a step transformer and rectifier shall be provided in the junction box to convert power from 120VAC supply.

**ACCESSORY CABINET:** A cast aluminum NEMA 4X accessory and electrical connection cabinet shall be included as part of the gauge light assembly. The cabinet shall have a hinged cover fitted with a gasket. Terminal blocks for convenient wiring shall be provided. All wiring shall terminate inside the accessory cabinet. The lamp shall be pre-wired to the terminal block. The cabinet shall provide for secure mounting to the gauge post using a square 4-bolt pattern.

### **AVAILABLE OPTIONS:**

**12VAC Model:** When specified, matched step-up and step-down transformers shall be included to permit running 12V lines between a 120V power source and the gauge light. One transformer shall be prewired and mounted inside the accessory cabinet to step power back up to 120V to supply the lamp. The second transformer shall be shipped separately for mounting in the field, as determined by the engineer. [Note: 120V HPS specifications apply above.]

**Photocontrol:** When specified, a photocell shall be included, prewired, to automatically turn the gauge light on when ambient lighting approximates dusk and off when ambient lighting approximates dawn.

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