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GYR Traffic Signal Inpavement Light

General Description

The GYR is a unidirectional inpavement light designed to work in sync with traffic signal lights for crosswalk applications. GYR lights help prevent accidents two ways: (1) by providing an extra street-level indication of the signal light status, and (2) by forming a visual stop bar between vehicles and pedestrians in the crosswalk.

The GYR lights are operated by the traffic light controller and display the same color: green, yellow or red. The heavy-duty body casting is load bearing and manufactured from corrosion resistant anodized aluminum or stainless steel.

Features

- Cost-saving, energy-efficient LEDs clearly visible in daytime and under the worst weather conditions
- Low maintenance - LED light source has 50,000 hour lifetime.
- Corrosion resistant anodized aluminum or stainless steel body stands up to traffic wear and weather.
- Stainless steel fixture is designed to be used where the fixtures are exposed to salt and, or chemicals.
- High static load rating (44,000 lb.) reduces likelihood of damage from heavy vehicles.
- Self-cleaning lens design reduces build-up of dirt and need for frequent cleaning.
- Pressurized light cavity keeps moisture out and reduces the frequency of replacement.

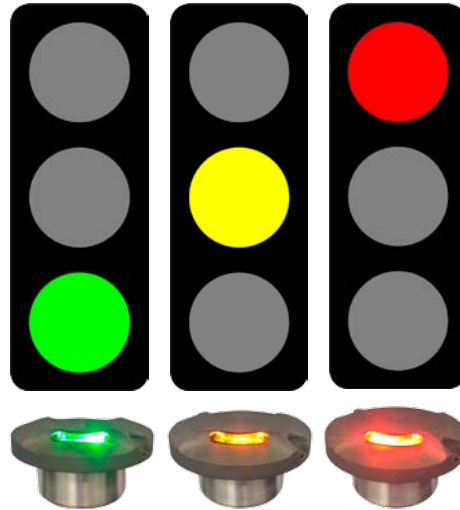
Specifications

Compliances

- IP67 Compliant

Mechanical

- Construction: Machined anodized aluminum 6061T6 (TS-GYR-4) or stainless steel 316C16 BS3100 (TS-GYR-5).
- Hardware: 304 stainless steel



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- Low profile: .64" [1.63 cm] (base can mounted)
- Diameter: 8" [20.32 cm]
- Bolt circle: 7.25" [18.42 cm]
- Weight: Aluminum 7.85 lb. [3.6 kg] (TS-GYR-4), stainless steel 10 lb. [4.5 kg] (TS-GYR-5)
- Fixture withstands a static load of 44,000 lb. without sustaining permanent deformation or cracking of materials. Leads, gaskets, etc. rated to withstand 300° F.

Electrical

- Voltage: 100-240 VAC, 50-60Hz
- Power Consumption: 10VA
- 6 LEDs: 2 Green, 2 Yellow, 2 Red
- LED lifetime: 50,000 hours
- Each LED color (Green, Yellow, Red) is activated by a 120-240 VAC signal (ON/OFF) from the controller.
- Includes 48" [122 cm] of cable (18AWG, 6 conductors, UL Compliant).

Ordering Codes

- TS-GYR-4: aluminum body.
- TS-GYR-5: stainless steel body.

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How to Specify the GYR Traffic Signal Inpavement Light

The fixture shall be model GYR as marketed by Traffic Safety Corporation or approved equal. In order to be considered equal, the alternate fixture shall satisfy the following requirements.

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Mounting Base:

Fixture shall be installed in mounting base (TSC #BA-725-5-2MR) of high strength steel, hot dip galvanized after fabrication per ASTM-153 specifications, with a 7.25" diameter bolt circle, a 0.75" mud ring, and standard base depth of 5". The mud ring shall be detachable from the base. Mounting base without mud ring shall be made available upon request. The base shall be supplied with a plywood cover to protect the mounting flange during installation.

Warranty:

2 years from the date of shipment to buyer.

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