GE
Lighting Solutions

RG6 LED Level Crossing Signal Modules

12 inch (300mm)

Outstanding Reliability

- Self-contained design provides protection against moisture and dust
- Designed for retrofit into existing housings

Excellent Appearance & Visibility

- Robust LED system design enables high luminous intensity over long product life
- Optional sidelights

Meets Rigorous Certification & Testing Standards

- Meets AREMA standards
- All lamps undergo comprehensive testing in the manufacturing plant
- Lens withstands 100 mph baseball impact as per NOCSAE Impact Test [1]

imagination at work

RG6 LED Level Crossing Signal Modules

- 12 inch (300mm)

RG6 - Uniform Look

- Meets AREMA Class B Standards
- Transport Canada Compliant
- Optional sidelights provide additional visibility
- Efficient optical system delivers uniform color

RG6 - Pixelated Look

- Meets AREMA Class B Standards
- Low power consumption for long battery back-up life
- Designed to ensure that sidelights are on only when the front signal is flashing
- Surge and over voltage protection protects LEDs

Design Compliance

Parameter	Compliance
Environmental Limits	AREMA Part 11.5.1 – Class B
Electronic Noise	AREMA Part 11.5.1 – Class B
Transient Immunity	AREMA Part 11.3.3
Photometric Requirements	Transport Canada [2] AREMA Part 3.2.35, Type 30-15 and 20-32 [3]
Impact Resistance	100 mph baseball [1]

Operating Specifications

Parameter	Uniform Rating	Pixelated Rating
Operating Temperature Range	-40 to +70°C (-40 to +158°F)	-40 to +70°C (-40 to +158°F)
Operating Voltage Range	8 to 20V DC 8 to 16V AC (50-60Hz)	8 to 14 V AC 8 to 14 V DC
Voltage Turn-Off (VTO)	4V	-
Power Surge	45Vrms for 80µms	42Vrms for 80ms 1000 Vrms for 1.8µms
Nominal Current Draw [4]	1.5A	0.85A (DC) 1.05A (AC)

Mechanical Outline

Dimensions in inches. (mm) indicates metric equivalent

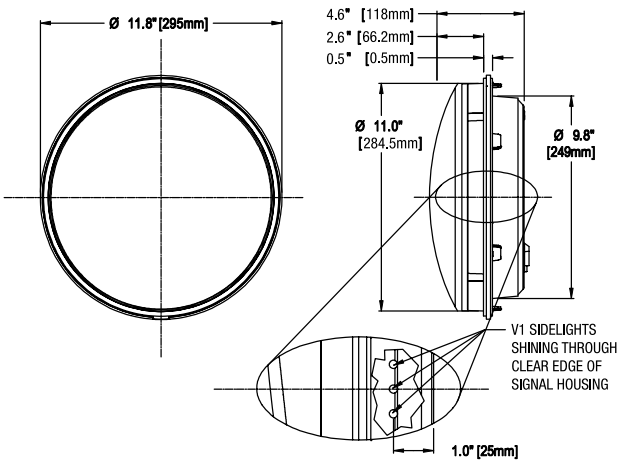


Figure A -Uniform Look

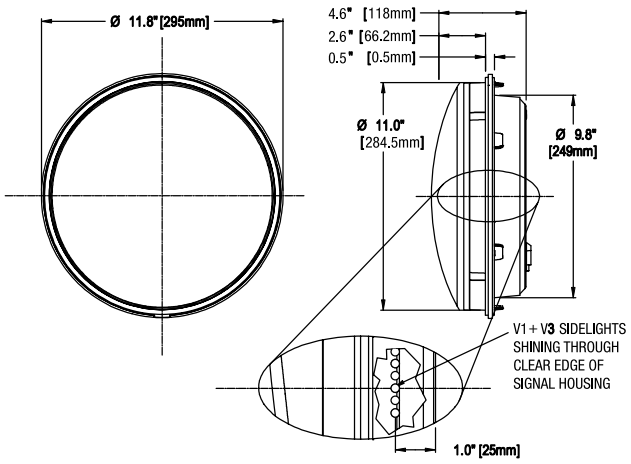
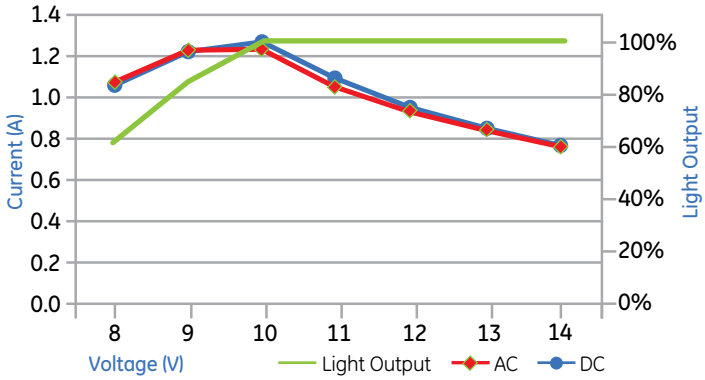


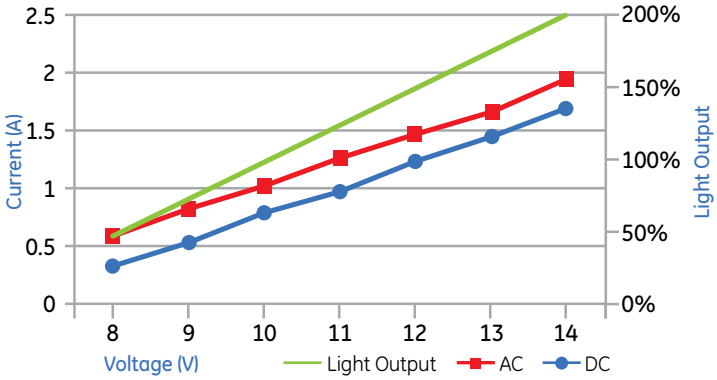
Figure B -Pixelated Look

Typical Current Draw

Uniform look



Pixelated Look



Product Information

Model Number	Sidelight Color	Lamp Appearance	Dominant Wavelength (nm)	Nominal Power (W) [4]	Typical Beam Angles (50% of peak intensity)	Typical Field Angles (10% of peak intensity)	Figure
RG6-RTFB-48BV1-H7	Red	Uniform	630	12W AC / 12W DC	20°H x –7.5°V	45°H x –17.5°V	A
RG6-RTFB-01BV1-H7	Red	Pixelated	623	10.5W AC / 8W DC	30°H x 30°V	46°H x 46°V	B
RG6-RTFB-01BV1-GH7 [5]	Red	Pixelated	623	10.5W AC / 8W DC	30°H x 30°V	46°H x 46°V	B
RG6-RTFB-01BV3-H7	White	Pixelated	623	10.5W AC / 8W DC	30°H x 30°V	46°H x 46°V	B
RG6-RTFB-01BV3-GH7 [5]	White	Pixelated	623	10.5W AC / 8W DC	30°H x 30°V	46°H x 46°V	B

All values are design or typical values when measured under laboratory conditions at T=25˚C.
For gasket options, please contact your sales agent.

[1] Resists concentric impact from a baseball (NOCSAE DOC 072) projected per NOCSAE DOC 021 Section 5.2 & 12.
[2] Applicable to uniform look only.
[3] Applicable to pixelated look only.
[4] Based on nominal voltage of 10V.
[5] With gasket option.

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RAIL032-R020112