

# GELcore

Incandescent look

## GT1™ LED Signal Modules

8 and 12 inch

Only GELcore brings you the outstanding reliability and quality of the GE brand

### Excellent Appearance & Visibility

- Centralized light source and exclusive optical lensing efficiently distributes light
- Expanded view for fixed and span wire applications meets new ITE requirement
- Excellent color uniformity creates an incandescent look for easy readability
- Improved luminous intensity uniformity exceeds new ITE requirement

### Outstanding Reliability & Robust Operation

- High efficiency and high-brightness LED light source
- Improved failed state impedance protection detects the loss of LED load
- Optimized thermal management for longer life
- O-ring gasket and over-molded electrical connector provide increased moisture and dust protection

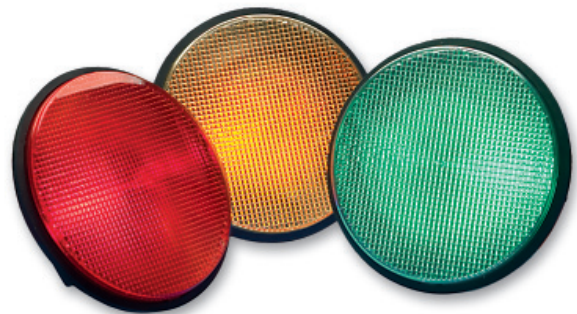
### Meets Rigorous Certification & Testing Standards

- Energy Star products available
- CSA Approved
- Using MIL Std 810 for environmental robustness, passed reliability and qualification testing including high temperature, high humidity cycling
- Designed to the new ITE VTCSH standards dated June 27<sup>th</sup> 2005\*

\*Luminous intensity measured at  $T_a = 25^\circ\text{C}$  for yellow



ITE performance\*  
New or retrofit use  
Tinted or clear lens



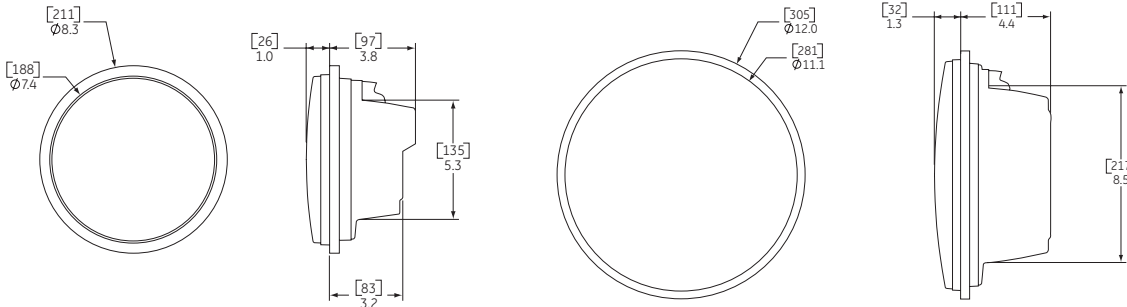
The Greatest Signals Stand the Test of Time.™

# GT1™ LED Signal Modules

- 8 and 12 inch



## Mechanical Outline Dimensions in inches. (mm) indicates metric equivalent



## Design Compliance

Test type	Compliance
Luminous Intensity	ITE VTCSH-LED Circular Signal Supplement <sup>1</sup>
Chromaticity	ITE VTCSH-LED Circular Signal Supplement <sup>1</sup>
Moisture Resistance	Blown Wind Rain MIL-STD-810F method 506.4
Mechanical Vibration	MIL-STD-883 Method 2007
Electronic Noise	FCC Title 47 Sub. B Sec 15 <sup>2</sup>
Transient Voltage Protection	Sec 2.1.8 NEMA TS-2-2003
Controller Compatibility	ITE VTCSH-LED Circular Signal Supplement
Wiring	NFPA 70, National Electric Code
Transient Suppression	A. IEC 1000-4-5 Standard Test at 3kV with 2.5 Ω B. IEC 61000-4-12, 6KV, 200A, 100 KHz ring wave

## Operating Specifications

Parameter	Rating
Operating Temperature Range*	-40 to +74°C (-40 to +165°F)
Operating Voltage Range	80 to 135 V (60Hz AC)
Power Factor (PF)	> 90 %
Total Harmonic Distortion (THD)	< 20 %
Voltage Turn-Off (VTO)	35 V
Turn-On / Turn-Off Time	< 75msec
Lens & Shell Material	UV Stabilized Polycarbonate
Wiring	16 AWG, Color Coded with Strain Relief 48in long

\* Performed in compliance with ITE test method described in the technical notes  
<sup>1</sup> Measured at T<sub>c</sub> = 25°C for Yellow  
<sup>2</sup> Class A

## Product Information

Model Number	Size (in)	AC Voltage	Power (W)	Wavelength (nm)	Maintained Intensity (Cd)
		Nominal	Nominal	Dominant	Minimum <sup>1</sup>
DR4-RTFB-17A	8	120V – 60Hz	5	626	165
DR4-YTFB-17A	8	120V – 60Hz	11	589	410
DR4-GTFB-17A	8	120V – 60Hz	8	500	215
DR4-GCFB-17A	8	120V – 60Hz	8	500	215
DR6-RTFB-17A	12	120V – 60Hz	10	626	365
DR6-YTFB-17A	12	120V – 60Hz	19	589	910
DR6-GTFB-17A	12	120V – 60Hz	13	500	475
DR6-GCFB-17A	12	120V – 60Hz	13	500	475

Standard product equipped with universal connectors (spade-quick disconnect).

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Publication No: SSUSGT1F46ITE: 12/05/06 • GELcore LLC is a joint venture between GE Lighting and EMCORE Corporation  
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