

GE
Lumination

Incandescent look

GT1™ LED Signal Modules

8 and 12 inch

Excellent Appearance & Visibility

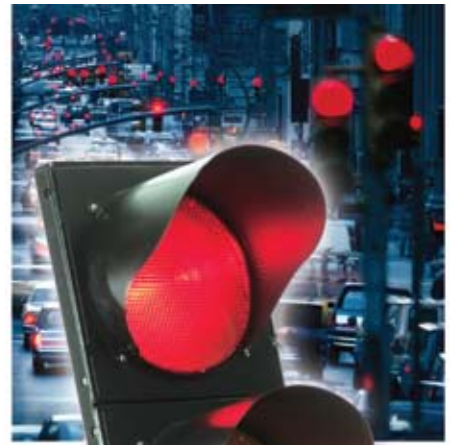
- Centralized light source and exclusive optical lensing efficiently distributes light
- Expanded view for fixed and span wire applications meets new ITE requirement
- Excellent color uniformity creates an incandescent look for easy readability
- Improved luminous intensity uniformity exceeds new ITE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

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
- Provides performance under extreme field temperature conditions

Meets Rigorous Certification & Testing Standards

- Intertek ETL Verified compliant
- EPACT 2005 compliant
- CSA approved
- Using MIL-STD-810F for environmental robustness, passed reliability and qualification testing including high temperature, high humidity cycling
- Compliant with the new ITE VTCSH LED Circular Signal Supplement dated June 27th 2005



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 -June 2005
Chromaticity	ITE VTCSH-LED Circular Signal Supplement -June 2005
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 ¹
Transient Voltage Protection	Sec. 2.1.6 NEMA TS2-2003, 300V, 2500W Sec. 2.1.6 NEMA TS2-2003, 600V, 10µF Sec. 2.1.8 NEMA TS2-2003
Controller Compatibility	ITE VTCSH-LED Circular Signal Supplement -June 2005
Wiring	NFPA 70, National Electric Code
Transient Suppression	Sec. 8.2 IEC 1000-4-5 & Sec. 6.1.2 ANSI/IEEE C62.41.2 - 2002, 3KV, 2 Ω Sec. 8.0 IEC 1000-4-12 & Sec. 6.1.1 ANSI/IEEE C62.41.2 - 2002, 6KV, 30 Ω

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
¹ Class A

Product Information

Model Number	Size (in)	AC Voltage Nominal	Power (W) Nominal	Wavelength (nm) Dominant	Maintained Intensity (Cd) Minimum
DR4-RTFB-17A	8	120V - 60Hz	5	626	165
DR4-YTFB-17A*	8	120V - 60Hz	11	589	410
DR4-YTFB-17A-YX	8	120V - 60Hz	8	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-YTFB-17A-YX	12	120V - 60Hz	15	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).
 All lamps available in tinted or clear lens.

* Luminous intensity measured at T_a = 25°C for yellow (these models are not Intertek ETL Verified compliant).

Distributed by:



6180 Halle Drive • Valley View, Ohio, 44125-4635, USA
 P: 216.606.6612 • F: 216.606.6599 • W: www.led.com • E: signals@led.com

Lumination, LLC is a subsidiary of the General Electric Company. GT1 is a trademark of Lumination, LLC. The GE brand and logo are trademarks of the General Electric Company.
 © 2008 Lumination, LLC. Information provided is subject to change without notice. All values are design or typical values when measured under laboratory conditions.