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Catalog Cut
Item #: 1105...

Incandescent look

GT1™ LED Arrow Signals

12 inch Red, Yellow, Green



Excellent Appearance & Visibility

- Efficient optical design allows omnidirectional arrow placement with maximum light output
- 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

- EPACK 2005 compliant
- Using MIL-STD-810F for environmental robustness, passed reliability and qualification testing including high temperature, high humidity cycling
- Meets Caltrans standards
- Designed to the draft Vehicle Traffic Control Signal Heads - Light Emitting Diode (LED) Vehicle Arrow Traffic Signal Supplement version dated July 1, 2007

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

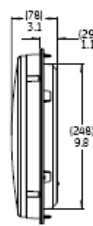
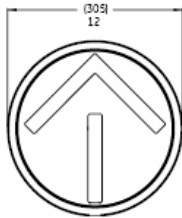
ITE performance*
Omnidirectional
Expanded view

GT1™ LED Arrow Signals

- 12 inch module

Mechanical Outline

Dimensions in inches, (mm) indicates metric equivalent



Design Compliance

Test type	Compliance
Luminous Intensity	A: ITE VTCSH-LED Vehicle Arrow Traffic Signal Supplement, draft version July 1, 2007 B: Caltrans
Chromaticity	ITE VTCSH-LED Vehicle Arrow Traffic Signal Supplement, draft version July 1, 2007
Moisture Resistance	NEMA STD 250 Type 4 - 1991 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 ²
Transient Voltage Protection	Sec. 2.1.6, NEMA TS-2-2003
Controller Compatibility	ITE VTCSH-LED Vehicle Arrow Traffic Signal Supplement, draft version July 1, 2007

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

* Performed in compliance with ITE test method described in the technical notes
¹ Measured at $T_a = 25^\circ\text{C}$ for Yellow
² Class A

Distributed by:

Product Information

Model Number	Size (in)	AC Voltage	Power (W)	Wavelength (nm)	Maintained Intensity (Cd)	Luminous Intensity Spec
					Minimum ¹	
DRS-RTAAN-17A	12	120V - 60Hz	5	626	58	A & B
DRS-YTAAN-17A	12	120V - 60Hz	9	589	146	A ¹ & B
DRS-GTAAN-17A	12	120V - 60Hz	5	500	176	A & B
DRS-GCAAN-17A	12	120V - 60Hz	5	500	176	A & B

Standard product equipped with universal connectors (spade-quick disconnect).
PRELIMINARY: GE Lumination reserves the right to effect changes to offer better product or accommodate changes in the draft specifications.