



*Compliance to latest ITE2005 and Caltrans2007

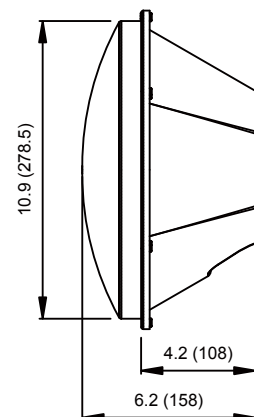
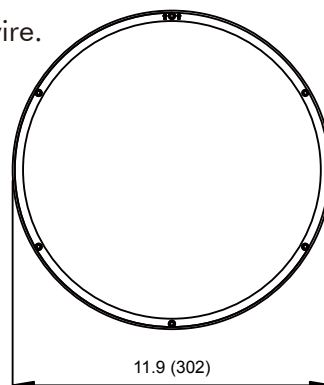
12 Inch Incandescent Look LED Traffic Signals

Features/Benefits

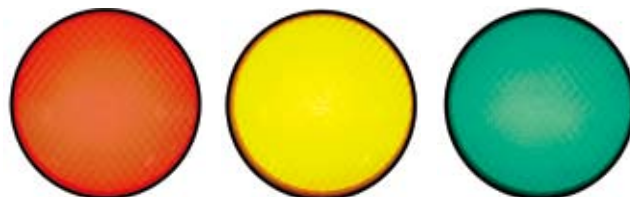
- 90% reduction in power vs. incandescent.
- Long life ; Up to 10 times longer than incandescent.
- Hi-Flux LED technology.
- Uniform non-pixelated illumination and incandescent look.
- Expanded view radiation pattern suitable for span wire.
- Easy to install into existing signal enclosure.

Specifications

- Operates at -40°C to +74°C.
- UV stabilized scratch resistant shell.
- Fuse and transient suppressor incorporated for line and load protection.
- Power Factor greater than 0.9.
- Operating Voltage Range: 80V~135V.
- Total Harmonic Distortion < 20%.
- Meet Fcc Title 47. Subpart B Section 15 Regulations for Electrical Noise.
- Turn on / Turn off Time < 75 msec.
- Conform to MIL-STD-810F for blowing rain.
- Conform to MIL-STD-883, Test method 2007, For mechanical vibration.
- Conform to MIL-STD-883, Test method 1010, Temperature cycling requirement.



unit : inch (mm)



Color	Model Number	Lens Type	Size	Power Consumption Typical(Watt)	Dominant Wavelength Typical(nm)	Peak Minimum Maintained Luminous Intensity (cd)	Meet ITE/Caltrans Spec.
Red	TRV-R12SG-D2T	Tinted	12" / 300 mm	6.5	623	399	✓
Amber	TRV-Y12SG-D2T	Tinted	12" / 300 mm	19	590	910	✓ *
Green	TRV-G12SG-D2T	Tinted	12" / 300 mm	10	500	798	✓
Green	TRV-G12SG-D2T-C	Clear	12" / 300 mm	10	500	798	✓

✓ *: Measured at 25 degree C



*Compliance to latest ITE2005 and Caltrans2007

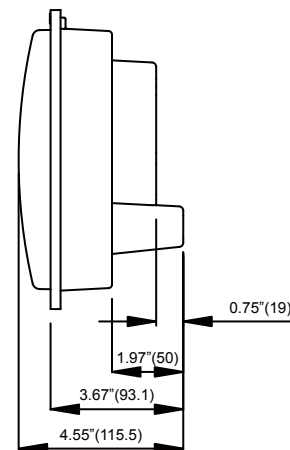
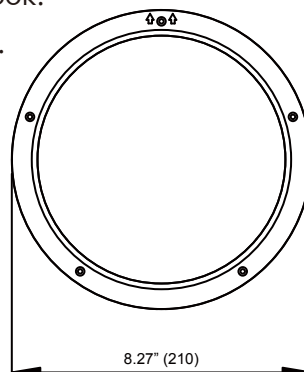
8 Inch Incandescent Look LED Traffic Signals

Features/Benefits

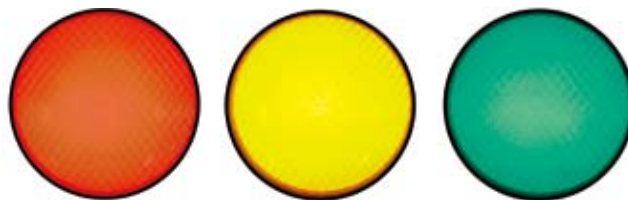
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Specifications

- Operates at -40°C to +74°C.
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- Power Factor greater than 0.9.
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- Meet Fcc Title 47. Subpart B Section 15 Regulations for Electrical Noise.
- Turn on / Turn off Time < 75 msec.
- Conform to MIL-STD-810F for blowing rain.
- Conform to MIL-STD-883, Test method 2007, For mechanical vibration.
- Conform to MIL-STD-883, Test method 1010, Temperature cycling requirement.



unit : inch (mm)



Color	Model Number	Lens Type	Size	Power Consumption Typical(Watt)	Dominant Wavelength Typical(nm)	Peak Minimum Maintained Luminous Intensity (cd)	Meet ITE/Caltrans Spec.
Red	TRV-R08SG-D2T	Tinted	8" / 200 mm	6	623	165	✓
Amber	TRV-Y08SG-D2T	Tinted	8" / 200 mm	11	590	410	✓ *
Green	TRV-G08SG-D2T	Tinted	8" / 200 mm	9	500	314	✓
Green	TRV-G08SG-D2T-C	Clear	8" / 200 mm	9	500	314	✓

✓ *: Measured at 25 degree C



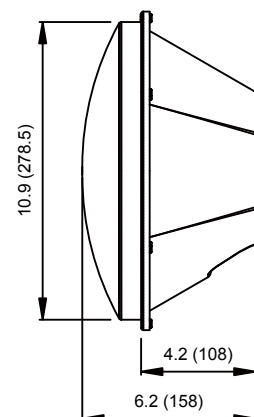
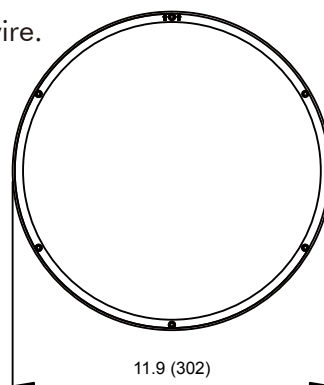
12 Inch Incandescent Look LED Traffic Signals

Features/Benefits

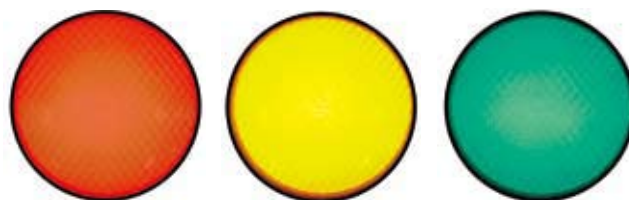
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- Long life ; Up to 10 times longer than incandescent.
- Hi-Flux LED technology.
- Uniform non-pixelated illumination and incandescent look.
- Expanded view radiation pattern suitable for span wire.
- Easy to install into existing signal enclosure.

Specifications

- Operates at -40°C to +74°C.
- UV stabilized scratch resistant shell.
- Fuse and transient suppressor incorporated for line and load protection.
- Power Factor greater than 0.9.
- Total Harmonic Distortion < 20%.
- Turn on / Turn off Time < 75 msec.
- Moisture and Dust Ingress: Meet IP65



unit : inch (mm)



Color	Model Number	Size	Operating Voltage Range	Power Consumption Typical(Watt)	Dominant Wavelength Typical(nm)	Peak Minimum Maintained Luminous Intensity (cd)
Red	TRV-R12SF-D2T	12" / 300 mm	100~240VAC	7	623	400
Red	TRV-R12SH-D2T	12" / 300 mm	18~50VAC	7	623	400
Amber	TRV-Y12SF-D2T	12" / 300 mm	100~240VAC	19	590	400
Amber	TRV-Y12SH-D2T	12" / 300 mm	18~50VAC	19	590	400
Green	TRV-G12SF-D2T	12" / 300 mm	100~240VAC	12	500	400
Green	TRV-G12SH-D2T	12" / 300 mm	18~50VAC	12	500	400



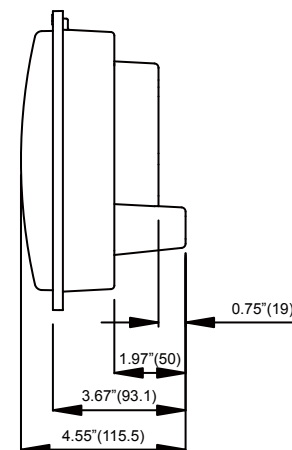
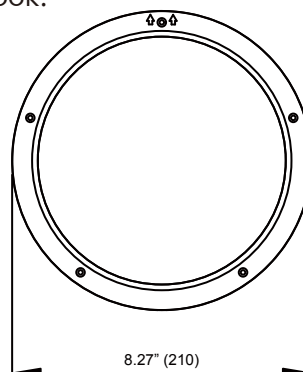
8 Inch Incandescent Look LED Traffic Signals

Features/Benefits

- 90% reduction in power vs. incandescent.
- Long life ; Up to 10 times longer than incandescent.
- Hi-Flux LED technology.
- Uniform non-pixelated illumination and incandescent look.
- Easy to install into existing signal enclosure.

Specifications

- Operates at -40°C to +74°C.
- UV stabilized scratch resistant shell.
- Fuse and transient suppressor incorporated for line and load protection.
- Power Factor greater than 0.9.
- Total Harmonic Distortion < 20%.
- Turn on / Turn off Time < 75 msec.
- Moisture and Dust Ingress: Meet IP65



unit : inch (mm)



Color	Model Number	Size	Operating Voltage Range	Power Consumption Typical(Watt)	Dominant Wavelength Typical(nm)	Peak Minimum Maintained Luminous Intensity (cd)
Red	TRV-R08SF-D2T	8" / 200 mm	100~240VAC	7	623	200
Red	TRV-R08SH-D2T	8" / 200 mm	18~50VAC	7	623	200
Amber	TRV-Y08SF-D2T	8" / 200 mm	100~240VAC	9	590	200
Amber	TRV-Y08SH-D2T	8" / 200 mm	18~50VAC	9	590	200
Green	TRV-G08SF-D2T	8" / 200 mm	100~240VAC	12	500	200
Green	TRV-G08SH-D2T	8" / 200 mm	18~50VAC	12	500	200

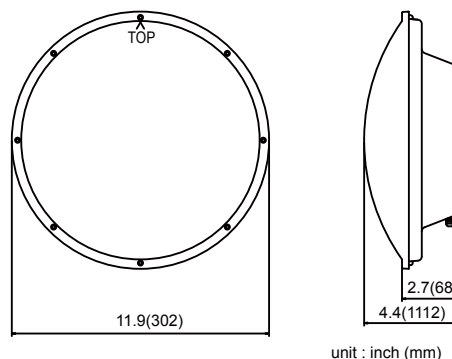


Meet Caltrans, ITE Signals

Specifications

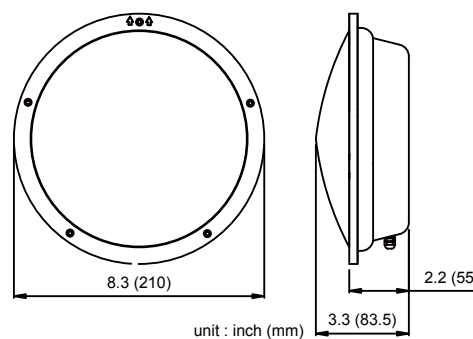
- Operates at -40°C to $+74^{\circ}\text{C}$.
- UV stabilized scratch resistant shell.
- Fuse and transient suppressor incorporated for line and load protection.
- Power Factor greater than 0.9.
- Operating Voltage Range: 80V~135V.
- Total Harmonic Distortion < 20%.
- Meet Fcc Title 47. Subpart B Section 15 Regulations for Electrical Noise.
- Turn on / Turn off Time < 75 msec.
- Voltage Turn off < 70 V.

12" Vehicle Traffic Signals



unit : inch (mm)

8" Vehicle Traffic Signals



unit : inch (mm)

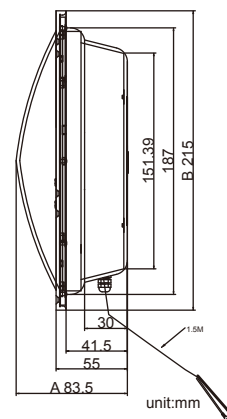
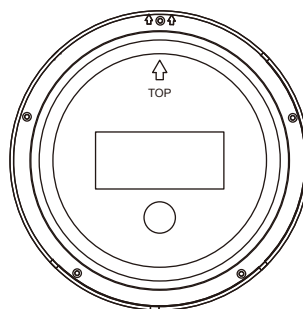
Color	Model Number	Description	Size	Power Consumption (Watt)	Dominant Wavelength (nm)	Minimum Luminous Intensity
Red	TRV-R12EG-A	12" Ball	12" (300 mm)	< 11	≥ 623	399 cd
Red	TRA-R12DG-G	12" Arrow	12" (300 mm)	< 9	≥ 623	5500 cd/m ²
Red	TRV-R08EG-J	8" Ball	8" (200 mm)	< 8	≥ 623	157 cd
Amber	TRV-Y12EG-A1	12" Ball	12" (300 mm)	< 15	586~592	798 cd
Amber	TRA-Y12DG-G	12" Arrow	12" (300 mm)	< 9	586~592	11000 cd/m ²
Amber	TRV-Y08EG-N2	8" Ball	8" (200 mm)	< 13	586~592	314 cd
Green	TRV-G12EG-B2	12" Ball	12" (300 mm)	< 15	499~508	798 cd
Green	TRA-G12DF-G	12" Arrow	12" (300 mm)	< 10	499~508	11000 cd/m ²
Green	TRV-G08EG-N	8" Ball	8" (200 mm)	< 12	499~508	314 cd



Meet EN12368 With CE Certificate Signals

Specifications

- Operates at -40°C to +74°C.
- UV stabilized scratch resistant shell.
- Operating Voltage: 220V or 42V.
- Turn on / Turn off Time < 75 msec.
- Moisture and Dust Ingress: Meet IP65.



Color	Model Number	Description	Size	Power Consumption (Watt)	Performance Level	Phantom Class	Luminous Intensity Distribution	Operating Voltage (VAC)
Green	TRV-G08EF-J2T	8" Ball	8" (200 mm)	< 15	B3/2	5	W	80~250
Green	TRV-G08EH-J2T	8" Ball	8" (200 mm)	< 15	B3/2	5	W	18~50
Amber	TRV-Y08EF-J2T	8" Ball	8" (200 mm)	< 15	B3/2	4	W	80~250
Amber	TRV-Y08EH-J2T	8" Ball	8" (200 mm)	< 15	B3/2	4	W	18~50
Red	TRV-R08EF-J2T	8" Ball	8" (200 mm)	< 15	B3/2	5	W	80~250
Red	TRV-R08EH-J2T	8" Ball	8" (200 mm)	< 15	B3/2	5	W	18~50



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China Factory

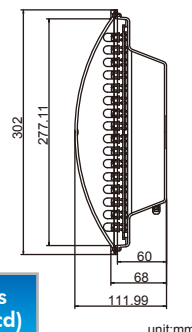
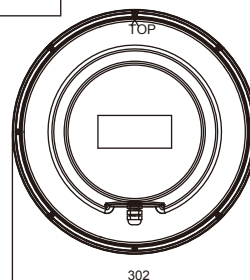
Lianxinfeng Opto. Co., Ltd.
Bldg. No. 15, Tongfuyu Industrial Park,
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Tel : 86-755-2814-0029 Fax: 86-755-2814-0027



DC12V~36V Traffic Signals

12" Vehicle Traffic Signals

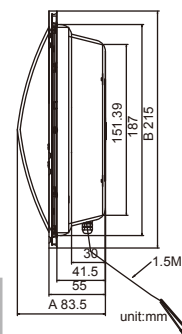
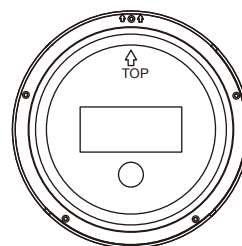
- Operating Voltage Range: DC12V~DC36V.
- Moisture and Dust Ingress: Meet IP65
- UV stabilized scratch resistant shell.
- Operates at -30°C to +74°C.



Color	Model Number	Description	Size	Power Consumption (Watt)	Dominant Wavelength (nm)	Luminous Intensity (cd)
Green	TRV-G12EJ-Y2	12" Ball	12" (300 mm)	< 10	495~515	> 400
Amber	TRV-Y12EJ-Y1	12" Ball	12" (300 mm)	< 9	585~596	> 400
Red	TRV-R12EJ-Y1	12" Ball	12" (300 mm)	< 9	>= 618	> 400

8" Vehicle Traffic Signals

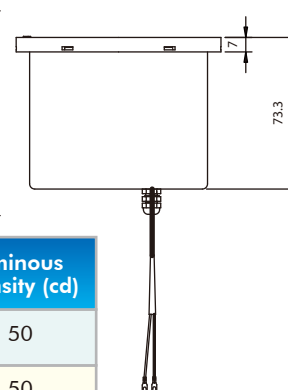
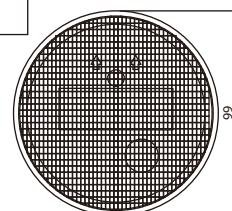
- Operating Voltage Range: DC12V~DC36V.
- Moisture and Dust Ingress: Meet IP65
- UV stabilized scratch resistant shell.
- Operates at -30°C to +74°C.



Color	Model Number	Description	Size	Power Consumption (Watt)	Dominant Wavelength (nm)	Luminous Intensity (cd)
Green	TRV-G08EJ-N2	8" Ball	8" (200 mm)	< 9	495~515	> 200
Amber	TRV-Y08EJ-N2	8" Ball	8" (200 mm)	< 7	585~596	> 200
Red	TRV-R08EJ-N2	8" Ball	8" (200 mm)	< 7	>= 618	> 200

4" Vehicle Traffic Signals

- Operating Voltage Range: DC12V~DC36V.
- Moisture and Dust Ingress: Meet IP54
- UV stabilized scratch resistant shell.
- Operates at -30°C to +74°C.



Color	Model Number	Description	Size	Power Consumption (Watt)	Dominant Wavelength (nm)	Luminous Intensity (cd)
Green	TRV-G04DJ-δ 2	4" Ball	4" (100 mm)	< 6	495~515	> 50
Amber	TRV-Y04DJ-δ 1	4" Ball	4" (100 mm)	< 6	585~596	> 50
Red	TRV-R04DJ-δ 1	4" Ball	4" (100 mm)	< 6	>= 618	> 50