



SURFACE VEHICLE STANDARD

J2261™

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Superseding J2261 JAN2002

Stop Lamps and Front- and Rear-Turn Signal Lamps for Use on
Motor Vehicles 2032 mm or More in Overall Width

RATIONALE

The document is materially unchanged from the previous version except:

Removed changes from previous document listed in Rationale.

Removed the definitions for Stop Lamp, Stop Signal Function, Turn Signal Lamp and Turn Signal Function.

6.4.2 removed "lighted and inserted "lens".

1. SCOPE

This SAE Standard provides test procedures, requirements, and guidelines for stop lamps and turn signal lamps intended for use on vehicles 2032 mm or more in overall width. Stop lamps and front- and rear-turn signal lamps conforming to the requirements of this document may be used on vehicles less than 2032 mm in overall width.

2. REFERENCES

2.1 Applicable Documents

The following publications form a part of this specification to the extent specified herein. Unless otherwise specified, the latest issue of SAE publications shall apply.

2.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or +1 724-776-4970 (outside USA), www.sae.org

SAE J576	Plastic Material or Materials for Use in Optical Parts Such as Lenses and Reflex Reflectors of Motor Vehicle Lighting Devices
SAE J578	Color Specification
SAE J759	Lighting Identification Code
SAE J2139	Test for Signal and Marking Devices Used on Vehicles 2032 mm or More in Overall Width

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Documents

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2.2 Related Publications

The following publications are provided for information purposes only and are not a required part of this SAE Technical Report.

2.2.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or +1 724-776-4970 (outside USA), www.sae.org.

SAE J387	Terminology - Motor Vehicle Lighting
SAE J567	Lamp Bulb Retention System
SAE J586	Stop Lamps for Use on Motor Vehicles Less than 2032 mm in Overall Width
SAE J588	Turn Signal Lamps for Use on Motor Vehicles Less than 2032 mm in Overall Width
SAE J1690	Flashers
SAE J1889	L.E.D. Signal and Marking Lighting Devices
SAE Technical Paper 830566	"Motor Vehicle Conspicuity," R.L. Henderson, K. Ziedman, W.J. Burger, and K.E. Cavey, National Highway Traffic Safety Administration

2.2.2 FMVSS Publications

Available from the Superintendent of Documents, U. S. Government Printing Office, Mail Stop: SSOP, Washington, DC 20402-9320.

Federal Motor Vehicle Safety Standard DOT 49CFR Subtitle B Chapter V Part 571.108

Federal Motor Carrier Safety Administration DOT 49CFR Subtitle B Chapter III Part 393

2.2.3 Truck Trailer Manufacturers Association Publication

Available from Truck Trailer Manufacturers Association, 1020 Princess St., Alexandria, VA 22314-2247, Tel: 703-549-3010, www.ttmanet.org.

Truck Trailer Manufacturers Association RP-9

2.2.4 The Technology and Maintenance Council Publication

Available from the Technology and Maintenance Council, American Trucking Associations, 950 North Glebe Road, Suite 210, Arlington, VA 22203-4181, Tel: 703-838-1763, www.truckline.com.

The Maintenance Council RP-702

3. DEFINITIONS

3.1 EFFECTIVE PROJECTED LUMINOUS LENS AREA

Effective projected luminous lens area means the area of the orthogonal projection of the effective light-emitting surface of a lamp on a plane perpendicular to a defined direction relative to the axis of reference. Unless otherwise specified, the direction is coincident with the axis of reference.

3.2 EFFECTIVE LIGHT-EMITTING SURFACE

Effective light-emitting surface means that portion of a lamp that directs light to the photometric test pattern, and does not include transparent lenses, mounting holes bosses, reflex reflector area, beads or rims that may glow or produce small areas of increased intensity as a result of uncontrolled light from an area of 1/2 degree radius around a test point.

That area of the light emitting surface projected on a plane at right angles to the axis of a lamp, excluding reflex reflectors (but including congruent reflexes), which is not obstructed by opaque objects such as mounting screws, mounting rings, bezels, trim, or similar ornamental feature areas. Areas of optical or other configurations, for example, molded-optical rings or markings, shall be considered part of the total effective projected luminous lens area. The axis of the lamp corresponds to the H-V axis used for photometric requirements.

4. LIGHTING IDENTIFICATION CODE

4.1 Turn signal lamps for use on vehicles 2032 mm or more in overall width may be identified by the code:

4.1.1 "I6" for a rear-mounted turn signal lamp and for a front-turn signal lamp mounted 100 mm or more from the lighted edge of a lower beam headlamp, as measured from the optical center of the turn signal, in accordance with SAE J759.

4.1.2 "I7" for a front-mounted turn signal lamp mounted less than 100 mm from the lighted edge of a lower beam headlamp, as measured from the optical center of the turn signal, in accordance with SAE J759.

4.1.3 "S2" for Stop lamps for use on vehicles 2032 mm or more in overall width, in accordance with SAE J759.

5. TESTS

5.1 SAE J2139 is a part of this document. The following tests are applicable with modification as indicated.

5.1.1 Vibration

5.1.2 Moisture

5.1.3 Dust

5.1.4 Corrosion

5.1.5 Photometry

5.1.5.1 Photometric measurements shall be made with the light source at least 3 m from the photometer.

5.1.5.2 The H-V axis of the device shall be parallel to the longitudinal axis of the vehicle when the device is mounted in its design position.

5.1.5.3 Photometric Measurement Steady Burning Mode

Shall be made with the light source steady burning.