



FEDERAL LIGHTING REQUIREMENTS

IMPORTANT NOTE: Every lamp, reflex reflector, and conspicuity treatment must be permanently attached in the location specified below and must comply with all applicable requirements prescribed for it by FMVSS/CMVSS 108. The face of any device on the front/rear and sides should be, respectively perpendicular and parallel to the vehicle's centerline, unless it is photometrically certified at installation angle. No part of the vehicle shall prevent any device from meeting its prescribed requirements unless an auxiliary device meeting all prescribed requirements is installed.

IN CANADA: Manufacturers and importers of vehicles must have the proper certification test records demonstrating compliance of lighting components with all prescribed requirements.

BASIC EQUIPMENT REQUIRED ON ALL TRAILERS

	DESCRIPTION SAE Lens Functional			MANDATORY REQUIREMENTS				
Area	Equipment	Coding	Purpose	Quantity	Color	Location	Height mm(in.) from the ground	
O	Tail Lamps	(T)	Indicate vehicle's presence and width	Minimum 2	Red	On the rear - symmetrical as far apart as practicable	380-1830 (15-72)	
~	Stop Lamps	(S)	Indicate braking	Minimum 2	Red	On the rear - symmetrical as far apart as practicable	380-1830 (15-72)	
	Rear Turn Signal Lamps	(1)	Indicate direction of turn	Minimum 2	Red or Yellow	On the rear - symmetrical as far apart as practicable	380-2110 (15-83)	
	Rear Reflex Reflectors	(A)	Indicate vehicle's presence and width	Minimum 2	Red	On the rear - symmetrical as far apart as practicable facing rearward	380-1530 (15-60)	
0	License Plate Lamp(s)	(L)	Illuminates license plate	Minimum 1	White	On the rear - above or at the sides of license plate	No requirement	
3	Rear Side Marker Lamps 'photometrically certified at	(P2, PC* or) P3, PC2*) installation angle		Minimum 2	Red	Each side at rear as far back as practicable	380-1530 (15-60) no max for veh. under 2032mm (80°) wid	
	Rear Side Reflex Reflectors	(A)	Front and rear side marker lamps / side reflex reflectors	Minimum 2	Red	Each side at rear as far back as practicable facing sideward	380-1530 (15-60)	
4	Front Side Marker Lamps *photometrically certifie	(P2, PC* or P3, PC2*) ed at installation angle	indicate vehicle's presence and length	Minimum 2	Yellow	Each side at front as far forward as practicable	380 (15) minimum	
	OFront Side Reflex Reflectors	(A)		Minimum 2	Yellow	Each side at front as far forward as practicable facing sideward	380-1530 (15-60)	

ADDITIONAL EQUIPMENT FOR TRAILERS EXCEEDING THE FOLLOWING PARAMETERS Length 9.1m (30 ft.) or longer

DESCRIPTION			MANDATORY REQUIREMENTS				
Area	Equipment	SAE Lens Coding	Functional Purpose	Quantity	Color	Location	Height mm(in.) from the ground
6	a Intermediate Side Marker Lamps 'photometrically certified	(P2, P3, PC* or PC2*) at installation angle	Indicate presence of a long vehicle	Minimum 2	Amber	Each side near center facing sideward	380 (15) minimum
	Intermediate Side Reflex Reflectors	(A)	Indicate presence of a long vehicle	Minimum 2	Amber	Each side near center facing sideward	380-1530 (15-60)

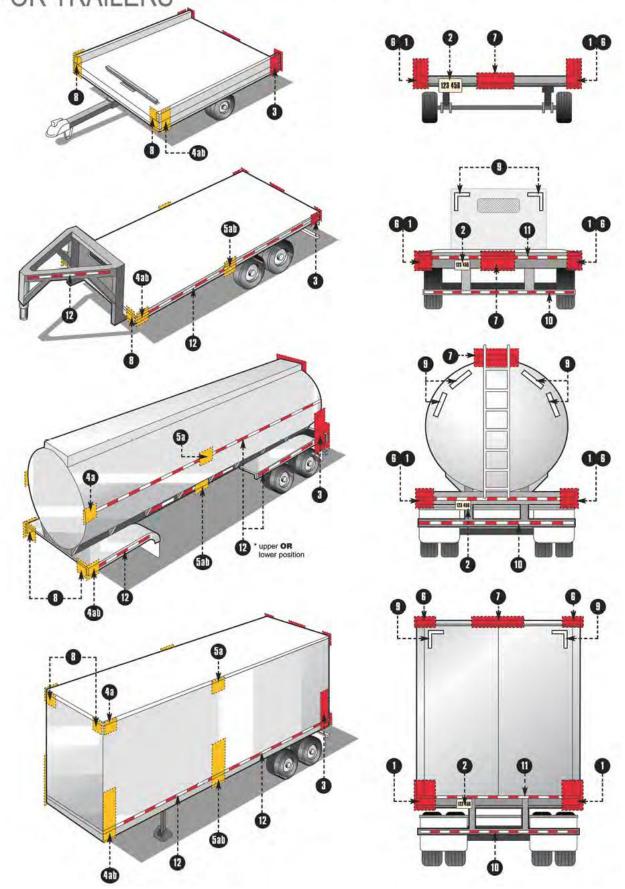
Width 2032mm (80 in.) or wider

	DESCRIPTION		Administration	MANDATORY REQUIREMENTS			
Area	Equipment	SAE Lens Coding	Functional Purpose	Quantity	Color	Location	Height
6	Rear Clearance Lamps *photometrically cartified at ins	(P2, PC* or P3, PC2*) italiation angle	Show vehicle's width MAY NOT be combined with tail lamps	Minimum 2	Red	At widest point - symmetrical on the rear or near the rear tacing rearward	As high as practicable may be lower only if ID lamps are at the top
0	Rear Identification (ID) Lamps	(P2 or P3)	Indicate presence of a wide vehicle	Exactly 3	Red	On the rear - center horizontally spaced 150mm (6 in.) to 300mm (12 in.) apart facing rearward	At the top - may be lower if door header narrower than 25mm
0	Front Clearance Lamps *photometrically certified at ins	(P2, PC* or P3, PC2*)	Show vehicle's width	Minimum 2	Yellow	At widest point - symmetrical on the front or near the front facing forward	As high as practicable

Width 2032mm (80 in.) or wider AND GVWR 4536 kg (10,000 lb.) or more



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