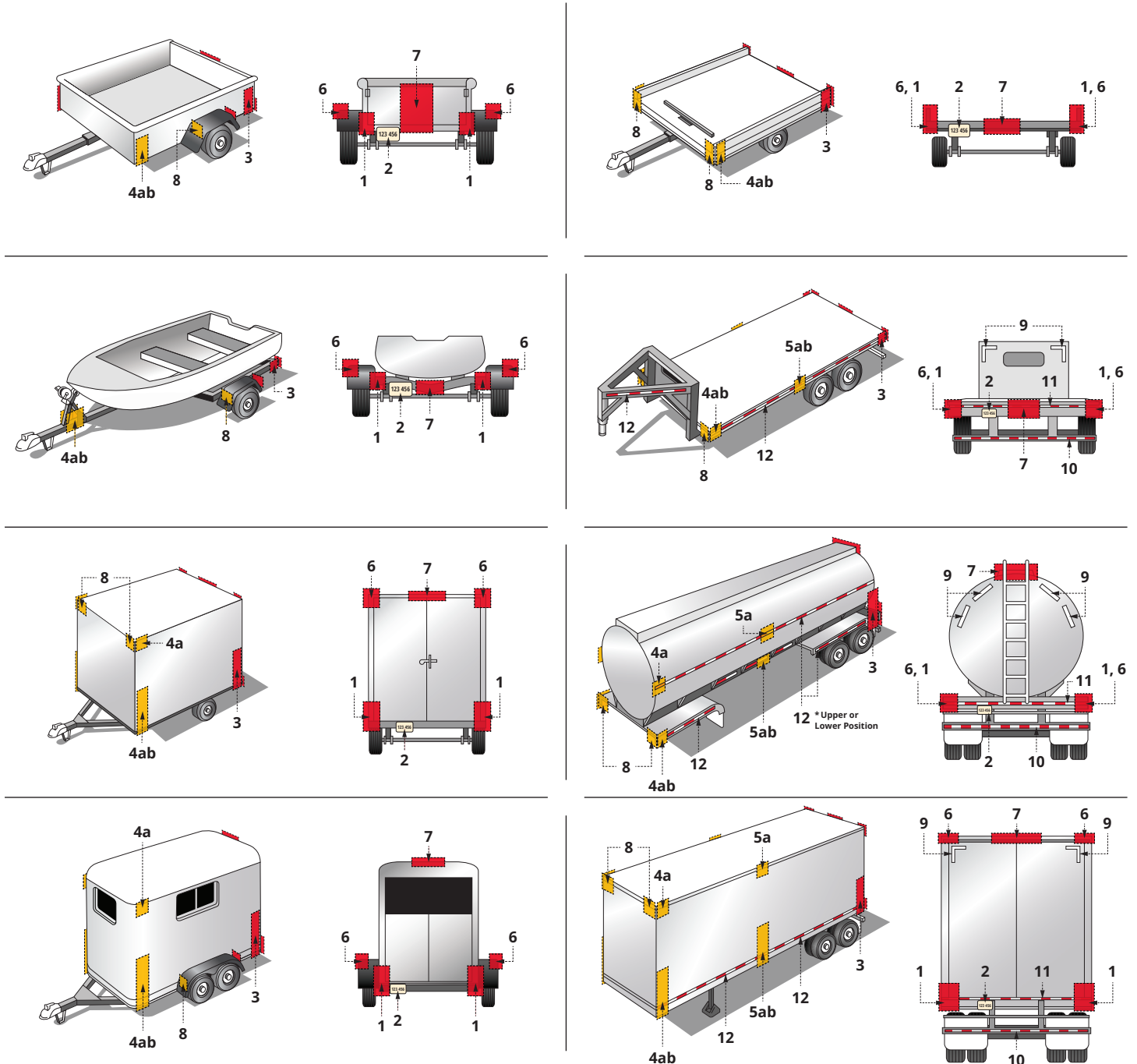


TRAILERS: FEDERAL LIGHTING EQUIPMENT LOCATION REQUIREMENTS

Important Note: Every light, reflex reflector, and conspicuity treatment (device) 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 vehicle 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.



This table summarizes lighting equipment requirements contained in Federal/Canada Motor Vehicle Safety Standard 108. While Croft Trailer Supply believes this to be an accurate summary of the latest printed information, the actual standard should be consulted for design or other such purposes. For complete compliance requirements consult Title 49 - Code of Federal Regulations-Section 571.108 (USA) or Section 108 of the Motor Vehicle Safety Regulations (Canada). State or Provincial regulations, where they may apply, have not been included.

For More Information Contact:

Transport Canada • Motor Vehicle Safety Enforcement Branch

National Highway Traffic Safety Administration • Office of Safety Performance Standards

BASIC EQUIPMENT REQUIRED ON ALL TRAILERS

DESCRIPTION				MANDATORY REQUIREMENTS			
Area	Equipment	SAE Lens Coding	Functional Purpose	Quantity	Color	Location	Height From the Ground
1	Tail Lights	(T)	Indicate vehicle's presence and width	Minimum 2	Red	On the rear - symmetrical as far apart as practicable	15-72" (380-1830mm)
	Stop Lights	(S)	Indicate braking	Minimum 2	Red	On the rear - symmetrical as far apart as practicable	15-72" (380-1830mm)
	Rear Turn Signal Lights	(I)	Indicate direction of turn	Minimum 2	Red or Amber	On the rear - symmetrical as far apart as practicable	15-83" (380-2110mm)
	Rear Reflex Reflectors	(A)	Indicate vehicle's presence and width	Minimum 2	Red	On the rear - symmetrical as far apart as practicable facing rearward	15-60" (380-1530mm)
2	License Plate Light(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 Lights <i>*photometrically certified at installation angle</i>	(P2, PC* or P3, PC2*)	Front and rear side marker lights/side reflex reflectors indicate vehicle's presence & length	Minimum 2	Red	Each side at rear as far back as practicable	15-60" (380-1530mm) no max. for vehicle under 80" (2032mm) wide
	Rear Side Reflex Reflectors	(A)		Minimum 2	Red	Each side at rear as far back as practicable facing sideward	15-60" (380-1530mm)
4	a Front Side Marker Lights <i>*photometrically certified at installation angle</i>	(PC, PC* or P3, PC2*)		Minimum 2	Amber	Each side at front as far forward as practicable	15" (380mm) minimum
	b Front Side Reflex Reflectors	(A)		Minimum 2	Amber	Each side at front as far forward as practicable facing sideward	15-60" (380-1530mm)

ADDITIONAL EQUIPMENT FOR TRAILERS EXCEEDING THE FOLLOWING PARAMETERS:
Length 30' (9.1mm) or Longer

DESCRIPTION				MANDATORY REQUIREMENTS			
Area	Equipment	SAE Lens Coding	Functional Purpose	Quantity	Color	Location	Height From the Ground
5	a Intermediate Side Marker Lights <i>*photometrically certified at installation angle</i>	(PC, P3, PC* or PC2*)	Indicate presence of a long vehicle	Minimum 2	Amber	Each side near center facing sideward	15" (380mm) minimum
	b Intermediate Side Reflex Reflectors	(A)	Indicate presence of a long vehicle	Minimum 2	Amber	Each side near center facing sideward	15-60" (380-1530mm)

Width 80" (2032mm) or Wider

DESCRIPTION				MANDATORY REQUIREMENTS			
Area	Equipment	SAE Lens Coding	Functional Purpose	Quantity	Color	Location	Height
6	Rear Clearance Lights <i>*photometrically certified at installation angle</i>	P2, PC* or P3, PC2*)	Show vehicle's width MAY NOT be combined with tail lights	Minimum 2	Red	At widest point - symmetrical on the rear or near the rear facing rearward	As high as practicable may be lower only if ID ights are at the top
7	Rear Identification (ID) Lights	(P2 or P3)	Indicate presence of a wide vehicle	Exactly 3	Red	On the rear - center horizontally spaced 6" to 12" (150mm to 300mm) apart facing rearward	At the top - may be lower if door header narrower than 1" (25mm)
8	Front Clearance Lights <i>*photometrically certified at installation angle</i>	(P2, PC* or P3, PC2*)	Show vehicle's width	Minimum 2	Amber	At widest point - symmetrical on the front or near the front facing forward	As high as practicable

Width 80" (2032mm) or Wider and GVWR 10,000 lb (4536 kg) or More

DESCRIPTION		MANDATORY REQUIREMENTS					
Area	Conspicuity Treatment	DOT Coding	Quantity	Color	Location		Height
9	Rear Upper Body Markings	DOT-C DOT-C2 DOT-C3 DOT-C4	Exactly 2 pairs of 12" (300mm) long strips	White	On the rear upper corners facing rearward		At the top
10	Bumper Bar Marking		Continuous	Red/White	On the rear bumper bar's horizontal element		No requirement
11	Rear Lower Body Marking		Continuous	Red/White (see options)	On the rear full width of the vehicle facing rearward		As horizontal as practicable and as close as practicable to the range of 15" to 60" (375 to 1525mm) from the ground
12	Side Marking		(see location)	Red/White (see options)	Each side-facing sideward continuous, or evenly spaced over minimum of 50% of length starts and ends as close to the front and rear of the vehicle as practicable		As horizontal as practicable and as close as practicable to the range of 15" to 60" (375 to 1525mm) from the ground

NOTE: The edge of red conspicuity tape shall not be closer than 3" (75mm) to the edge of any amber light and the edge of white conspicuity tape shall not be closer than 3" (75mm) to the edge of any light. Reflex reflectors may not be required if they are replaced in their required location with conspicuity treatment. **Optional in Canada:** Rear lower body and side conspicuity treatment may also be solid white, solid yellow, or white and yellow.