

# FEDERAL LIGHTING REGULATIONS FOR TRUCKS, BUSES & MPVs

**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 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 TRUCKS, BUSES & MPVs

DESCRIPTION				MANDATORY REQUIREMENTS					
Area	Equipment	SAE Lens Coding	Functional Purpose	Quantity	Color	Location	Height mm (in.) from the ground		
1	Headlamps - Lower Beam	(H, HR)	Forward road illumination	Minimum 2	White	On the front - symmetrical as far apart as practicable	560-1370 (22-54)		
	Headlamps - Upper Beam	(H, HR)	Forward road illumination	Minimum 2	White	On the front - symmetrical If 4 lamp system - inboard or below lower beams	560-1370 (22-54)		
	Parking Lamps	(P)	Indicate parked vehicle	Minimum 2	White or Yellow	On the front - symmetrical as far apart as practicable	380-1830 (15-72)		
	Daytime Running Lamps (DRL)	(Y2)	Indicate in use vehicle	Minimum 2	White or Yellow	On the front - symmetrical as far apart as practicable	380 (15) min. Max. depends on type of DRL		
Front Turn Signal/Hazard Warning Lamps				(I)	Indicate direction of turn/identify disabled vehicle	Minimum 2	Yellow	On the front - symmetrical as far apart as practicable	380-2110 (15-83)
2	Front Clearance Lamps	(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		
3	Front Identification (ID) Lamps	(P2 or P3)	Indicate presence of a wide vehicle	Exactly 3	Yellow	On the front - center horizontally spaced 150mm (6 in.) to 300mm (12 in.) apart	As high as practicable or on top of the cab		
4	a Front Side Marker Lamps	(P2, PC* or P3, PC2*)	Front and rear side marker lamps / side reflex reflector indicate vehicle's presence and length	Minimum 2	Yellow	Each side at front as far forward as practicable	380 (15) min.		
	b Front Side Reflex Reflectors	(A)		Minimum 2	Yellow	Each side at front as far forward as practicable facing sideward	380-1530 (15-60)		
5	a Rear Side Marker Lamps**	(P2, PC* or P3, PC2*)	Rear side marker lamps / side reflex reflector indicate vehicle's presence and length	Minimum 2	Red	Each side at rear as far back as practicable	380 (15) min.		
	b Rear Side Reflex Reflectors**	(A)		Minimum 2	Red	Each side at rear as far back as practicable facing sideward	380-1530 (15-60)		
6	Rear Clearance Lamps	(P2, PC* or P3, PC2*)	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 facing rearward	As high as practicable may be lower only if rear ID lamps are at the top		
7	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		
8	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/Hazard Warning Lamps	(I)	Indicate direction of turn/identify disabled vehicle	Minimum 2	Red or Yellow	On the rear - symmetrical as far apart as practicable	380-2110 (15-83)		
	Rear Reflex Reflectors	(A)	Show vehicle's presence and width	Minimum 2	Red	On the rear - symmetrical as far apart as practicable	380-1530 (15-60)		
9	Backup Lamp	(R)	Illuminates the ground behind the vehicle and alert road users	Minimum 1	White	Rear	No requirement		
10	License Plate Lamp(s)	(L)	Illuminates license plate	Minimum 1	White	On the rear - above or at the sides of license plate	No requirement		
11	Center High Mounted Stop Lamp	(U3)	Indicates braking	Minimum 1	Red	On the rear - centerline of the vehicle	860 (34) minimum		

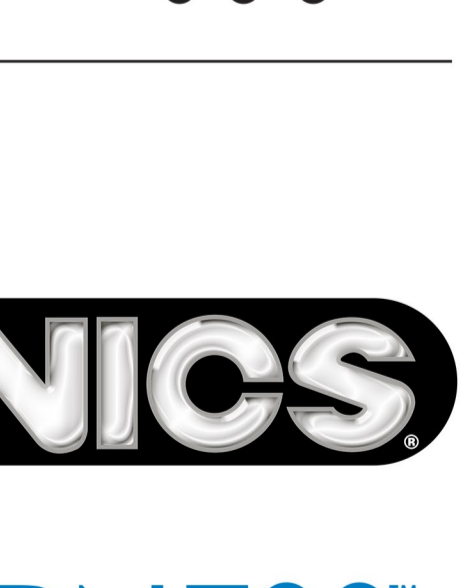
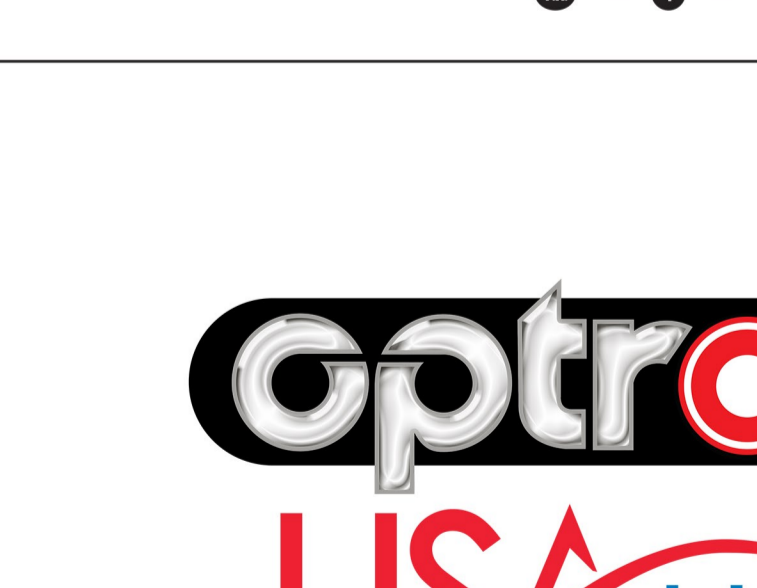
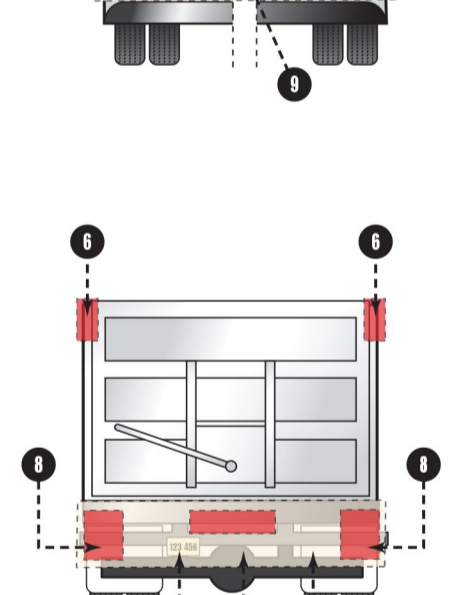
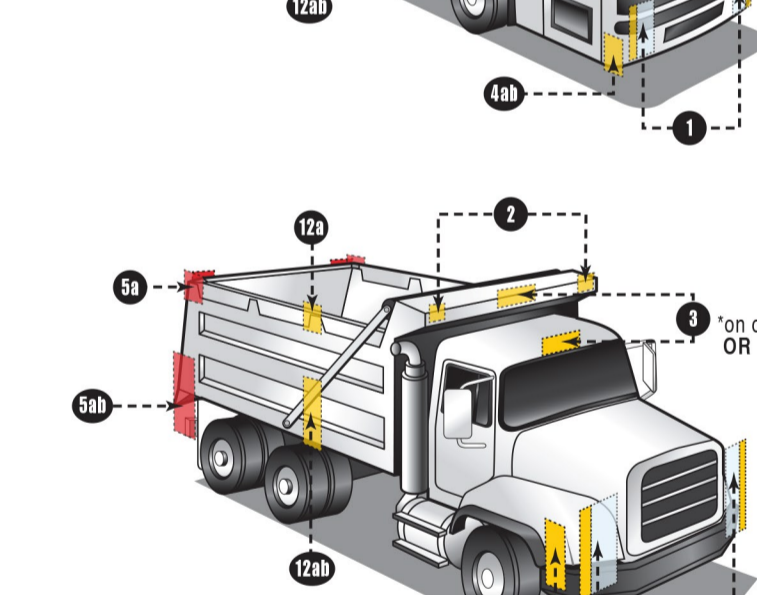
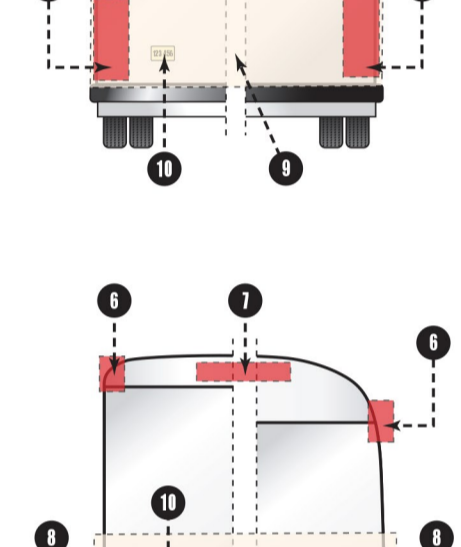
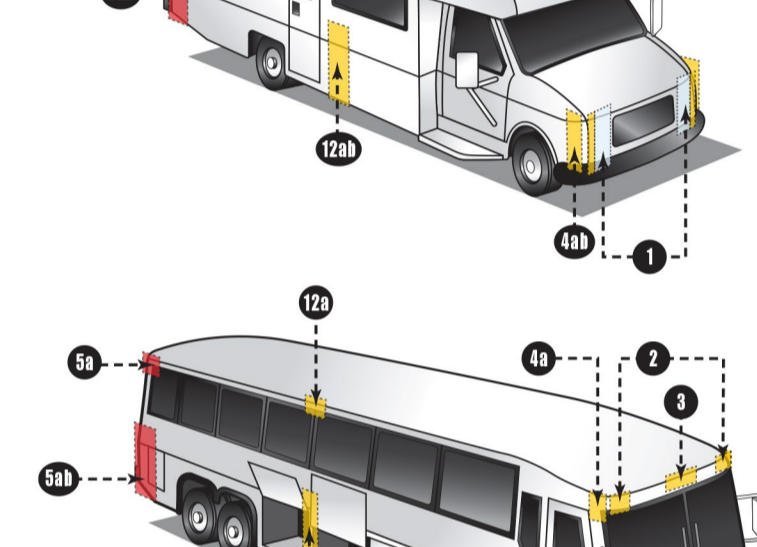
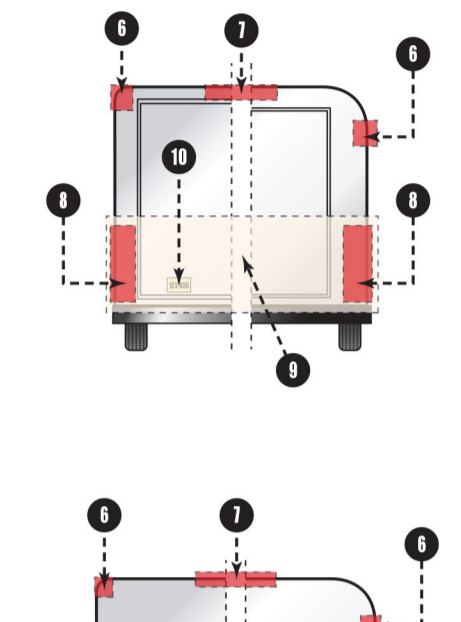
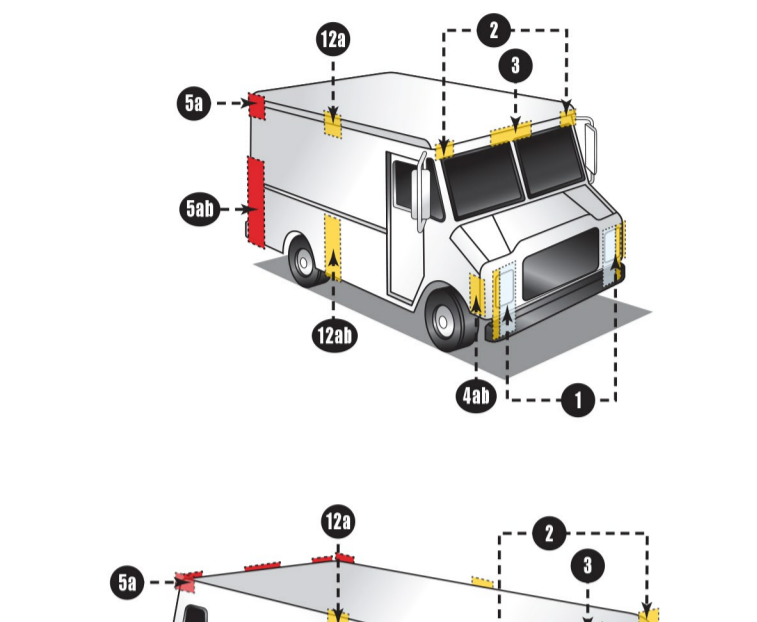
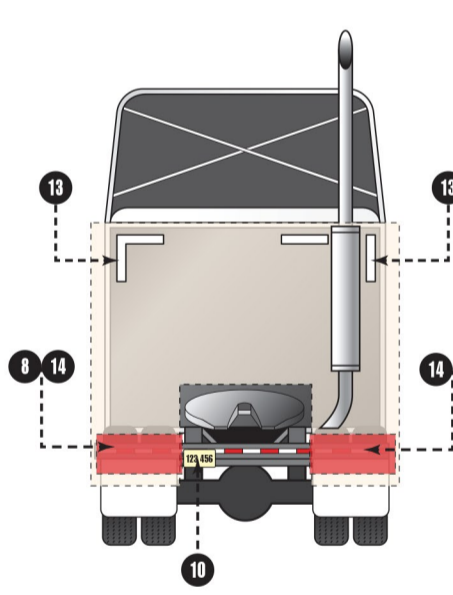
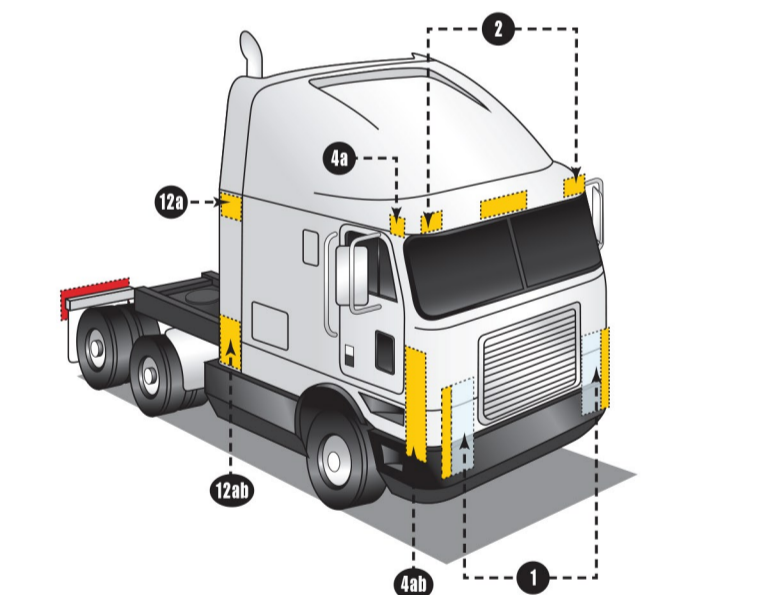
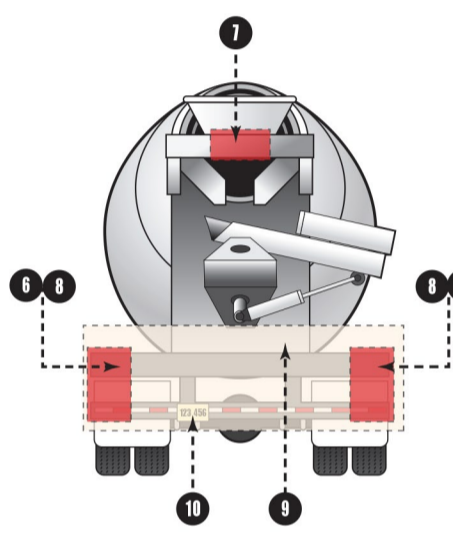
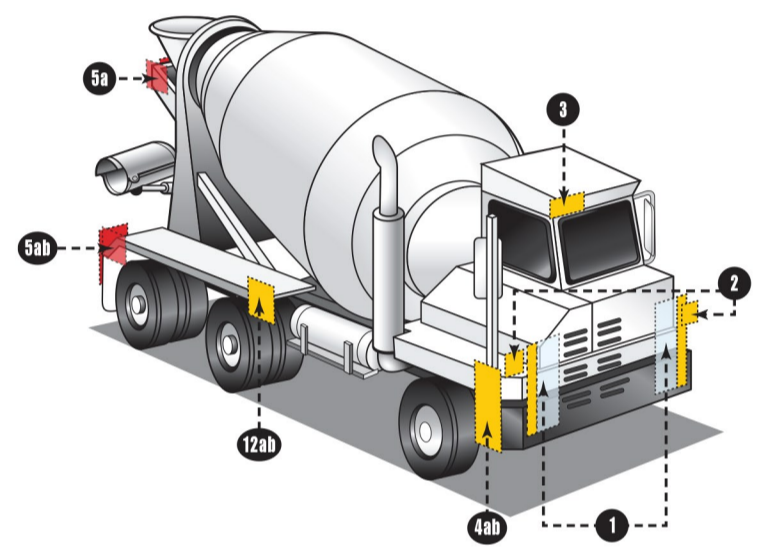
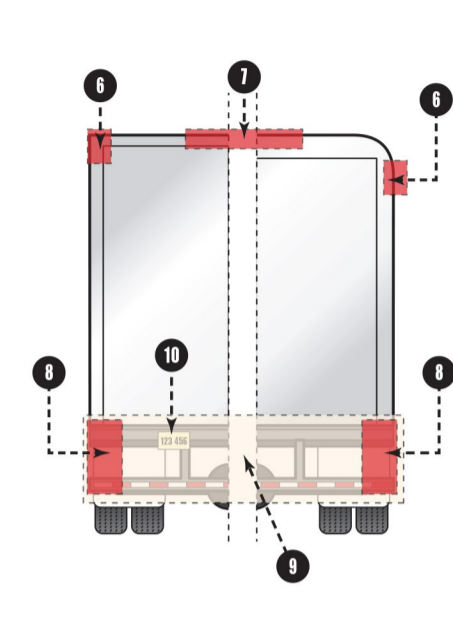
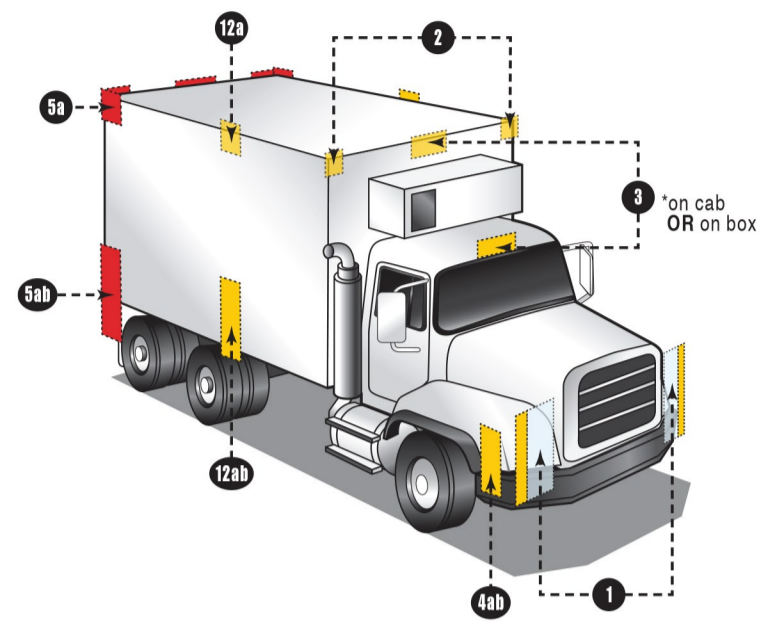
## ADDITIONAL EQUIPMENT FOR SPECIFIC VEHICLES VEHICLES 9.1m (30 ft.) LONG OR LONGER

DESCRIPTION				MANDATORY REQUIREMENTS			
Area	Equipment	SAE Lens Coding	Functional Purpose	Quantity	Color	Location	Height mm (in.) from the ground
12	a Intermediate Side Marker Lamps	(P2 or P3)	Indicate presence of a long vehicle	Minimum 2	Yellow	Each side near center	380 (15) minimum
	b Intermediate Side Reflex Reflectors	(A)	Indicate presence of a long vehicle	Minimum 2	Yellow	Each side near center facing sideward	380-1530 (15-60)

## Truck Tractors

DESCRIPTION				MANDATORY REQUIREMENTS			
Area	Conspicuity Treatment	Coding	Quantity	Color	Location	Height	Options
13	Rear Upper Body Markings		Exactly 2 pairs of 300mm long strips	White	Rear upper corners of cab facing rearward	As high as practicable excluding fairings	
14	Rear Marking	DOT-C DOT-C2 DOT-C3 DOT-C4	Exactly 2 sections of min. 600mm each	Red/White	Rear - facing rearward - on fenders, on mud flap brackets, or within 300mm below the top of mud flaps	As horizontal as practicable and not higher than 1525mm from the ground	If mud flaps not used - on the cab or frame mounted brackets

*Note: The edge of red conspicuity tape shall not be closer than 75mm to the edge of any amber lamp and the edge of white conspicuity tape shall not be closer than 75mm to the edge of any lamp*



For more information contact:  
 Transport Canada: Motor Vehicle Safety Enforcement Branch  
 National Highway Safety Administration: Office of Safety Performance Standards

