



Online Class

Shahid Raja



Chapter 7: Lighting and Optical Signals

The function of the lighting of a vehicle is **to see and be seen by other users** of the road.

7.1 When driving

Between sunset and sunrise or in adverse conditions (Night, rain, fog, etc.) or tunnels:

a) Urban roads and cross-town roads:

- Sufficiently lit: Sidelights / Position lamps + Headlights (dipped beam / low-beams headlights)
- Insufficiently lit: Sidelights / Position lamps + Headlights (dipped beam / low-beams headlights)

b) On interurban roads:

- Sufficiently lit: Sidelights / Position lamps + Headlights (dipped beam / low-beams headlights)
- Insufficiently lit: Sidelights / Position lamps + High beams

It is mandatory to replace high beams with dipped/low beam headlights if there is glare.

If you are traveling at **40km/h or less** on an insufficiently lit inter-urban road, you may use low beam headlights instead of high beams.

A road is considered insufficiently lit when: you cannot read a registration / license plate from 10 metres or cannot make out a dark vehicle from 50 metres.



Sidelights / Position lights:
Vehicle lighting for us to be seen, both from the front and the back.



Low-beams headlights (Dipped headlights): In passenger cars 2 are required, 1 or 2 for motorcycles.



Main / high-beam headlights: In passenger cars 2 or 4 are required, 1 or 2 for motorcycles.



Front fog lights (white or selective yellow lights):

- Can be used in adverse conditions except in light rain
- Optional
- Can be used in narrow stretches of road with the dangerous bends sign at night



Rear fog lights (red lights):

- Used only in very adverse conditions: very heavy rain, snow, dense fog, dense smoke or dust
- Required
- Optional on motorcycles

7.2 Lighting when immobilized







STOPPING (TEMPORARY & INTENTIONALLY): Between sunset and sunrise, always use front side/position lights both in and out of a built-up area.

DETENTION (FORCED/OBLIGATED): Between sunset and sunrise, always use front side/position lights both in and out of a built-up area. In case of emergency you should also turn on the emergency lights. During the day, only use the emergency lights.

PARKING: Between sunset and sunrise (night), front position lights, except:

- **Urban roads:** no lights are left on.
- **Cross-town roads:** front position lights may be replaced by parking lights or the two sidelights / position lights on the road side.

7.3 Other lights

	<p>Reflective markers: Passenger cars must have reflective markers of the same colour as the lights. Their shape must not be triangular, except for trailers which are triangular.</p>
	<p>End outline marker lights: Mandatory for vehicles measuring more than 2.10 metres, except motorcycles and 3-wheeled vehicles.</p>
	<p>Interior light: Not mandatory for passenger cars.</p>
	<p>Vehicle registration number plate light: Illuminates when side/position lights are turned on.</p>
	<p>Reverse lights: white colour, and lights up when reversing. 1 light is mandatory and 2 optional.</p>
	<p>Emergency lights (flash simultaneously): Yellow. Required on passenger cars and optional on motorcycles. May be used when:</p> <ul style="list-style-type: none"> • If there is a risk of collision by braking on the motorway and dual carriageway • Immobilization or driving in an emergency • Emergency services in a non-priority vehicle



Brake light: Bright red. Passenger cars are required to have at least 2 and optionally 3, and in motorcycles 1 is required and 2 are optional.



Adaptive lights: Improve visibility in certain situations, such as at a curve or an intersection.

