

3.2 Lighting Classes for Traffic Routes

Road classification as per DMA Roadway & Public Realm Lighting Specification and Roadway Compliance Checklist Tables ⁽¹⁾:

Road name	Road characteristic	Detailed description	ADT	Lighting class ⁽²⁾
Freeway & Expressway	Limited access	Routes for fast moving, long distance traffic. Fully grade separated and restrictions on use		
		Main carriageway in complex interchange areas	< 40,000 > 40,000	ME2 ME2
		Main carriageway with interchanges at < 3 km	< 40,000 > 40,000	ME2 ME2
		Main carriageways with interchanges > 3 km	< 40,000 > 40,000	ME2 ME2
		Emergency lanes	-	ME5
Major Arterials (Boulevards)	Trunk roads and some main roads between primary destinations	Routes for fast moving, long distance traffic with little frontage access or pedestrian traffic. Speed limits are usually in excess of 60 Km/h and there are few junctions. Pedestrian crossings are either segregated or controlled and parked vehicles are usually prohibited		
		Single carriageway	< 15,000 > 15,000	(ME2) ⁽³⁾ (ME2) ⁽³⁾
		Dual carriageway	< 15,000 > 15,000	(ME2) ⁽³⁾ (ME2) ⁽³⁾
Secondary Arterial (Avenue)	Major urban network and inter-primary links, short to medium distance traffic	Routes between strategic routes and linking urban centres to the strategic network with limited frontage access. In urban areas, speed limits are usually 60 Km/h or less, parking is restricted at peak times and there are positive measures for pedestrian safety reasons		
		Single carriageway	< 15,000 > 15,000	ME3a (ME2) ⁽³⁾
		Dual carriageway	< 15,000 > 15,000	ME3a (ME2) ⁽³⁾
Sector Internal Roads (Street)	Classified road and unclassified urban bus route, carrying local traffic with frontage access and frequent junctions	Rural areas (Environmental zones 3 or 4). These roads link larger villages and HGV generators ("Heavy Good Vehicles") or simple "Industrial Areas" to the strategic and main distributor network	< 7,000 7,000-15,000 > 15,000	(ME4a) ⁽⁴⁾ ME3a ME2
		Urban areas (Environmental zone 3). These roads have 50 Km/h speed limits and very high levels of pedestrian activity with some crossing facilities including zebra crossings. On-street parking is generally unrestricted except for safety reasons	< 7,000 7,000-15,000 > 15,000	(ME4a) ⁽⁴⁾ ME3a ME2
Access Lanes	Road linking the main and secondary distribution network with frontage access and frequent junctions	Rural areas (Environmental zones 2, 3 or 4). These roads link smaller villages to the distributor network. They are of varying width and not always capable of carrying two way traffic	Any	ME3a (ME4a) ⁽⁴⁾ ME5
		Urban areas (Environmental zone 3 and 4). These roads are residential or industrial inter-connecting roads with 50 Km/h speed limits, random pedestrian movements and uncontrolled parking	Any Any with high pedestrian or cyclist traffic	ME3a (ME4a) ⁽⁴⁾ or (S1) ⁽⁵⁾

Table 26
Lighting recommendations for traffic routes.