

NEW MUTCD Minimum Maintained Retroreflectivity Levels Quick Reference Guide

(in units of cd/lx/m² measured at an angle of 0.2° and an entrance angle of -4.0°)

Information taken from the FHWA Manual on Uniform Traffic Control Devices for Streets and Highways

Sign Color	Additional Criteria	Sheeting Type			
		Beaded Sheeting			Prismatic Sheeting
		I	II	III	III, IV, VI, VII, VIII, IX, X
White on Green	Overhead	white not approved; green ≥ 7	white not approved; green ≥ 15	white not approved; green ≥ 25	white ≥ 250; green ≥ 25
	Ground-mounted	white not approved; green ≥ 7	white ≥ 120; green ≥ 15		
Black on Yellow or Black on Orange	For text and fine-symbol signs measuring ≥ 1200mm (48in) and all bold symbol signs	yellow/orange not approved	yellow ≥ 50; orange ≥ 50		
	For text and fine symbol signs measuring < 1200mm (48in)	yellow/orange not approved	yellow ≥ 75; orange ≥ 75		
White on Red	Minimum sign contrast ratio ≥ 3:1 (white retroreflectivity / red retroreflectivity)	white ≥ 35; red ≥ 7			
Black on White	—	white ≥ 50			