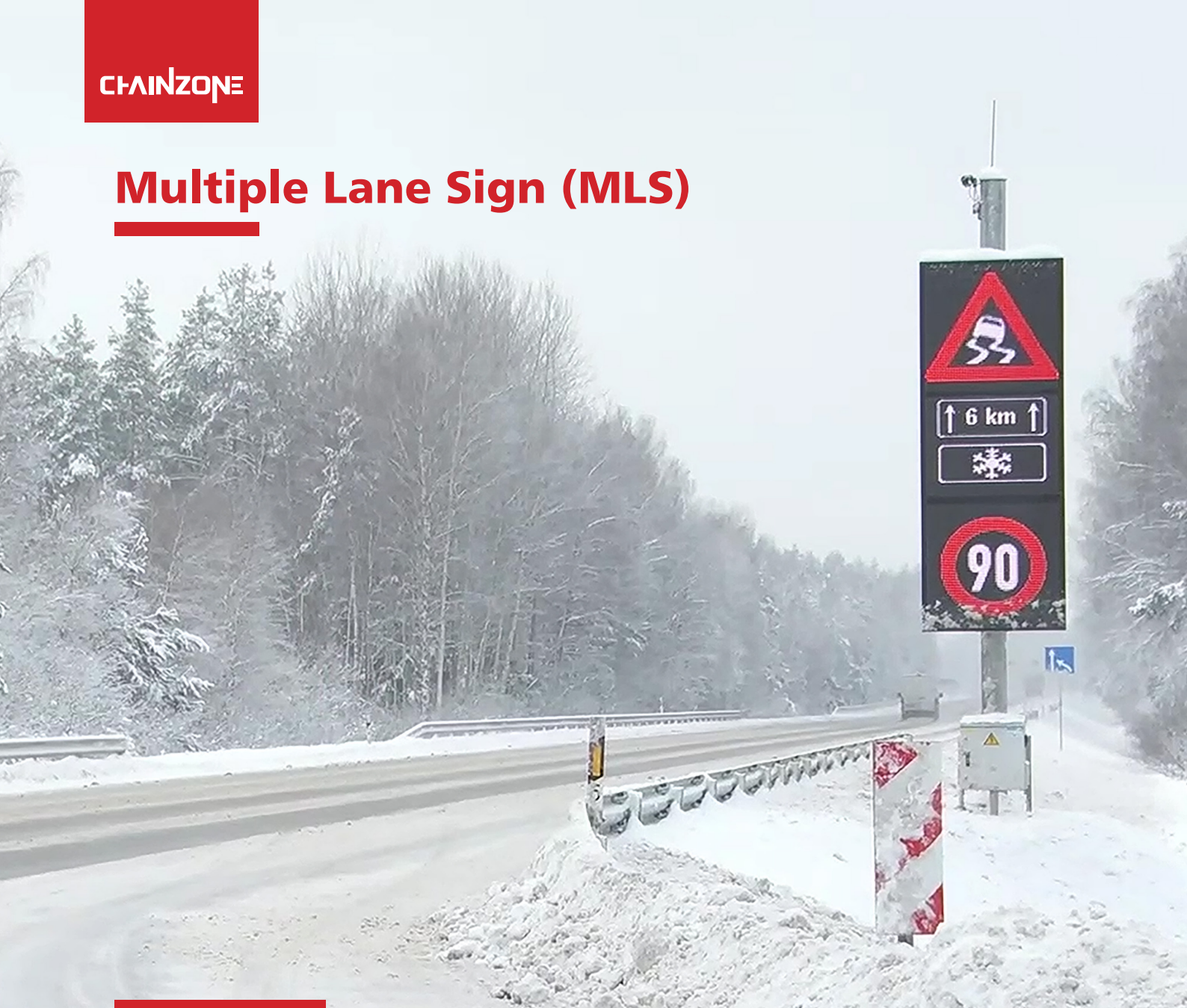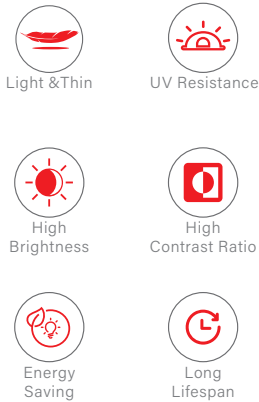# Multiple Lane Sign (MLS)

Application

Multiple Lane Signs usually contain multiple traffic symbols to provide traffic safety information to road users. They are widely used as danger signs, warning signs, etc. and are mounted on public roads, highways, and tunnels.

Feature

- **Enhanced reliability**
  SMD LED + optical lens is more reliable than exposed DIP LED
- **Lower Power Consumption**
  SMD + optical lens technology reduces power consumption by approximately 50% compared to DIP LED + visor design
- **High Contrast Ratio**
  Under the strong sun or large amounts of snow, SMD + Optical lens technology delivers much clearer road information to the drivers than the DIP LED + PC design
- **Excellent Optical Performance**
  Chainzone's Multiple Lane Signs achieve the highest optical performance of EN12966 standard: L3 / L3* / L3 (T), R3, C2, B1-B7
- **Water-proof Ingress Protection: IP56 and IP65**
- **Lighter Weight and Anti-rust**
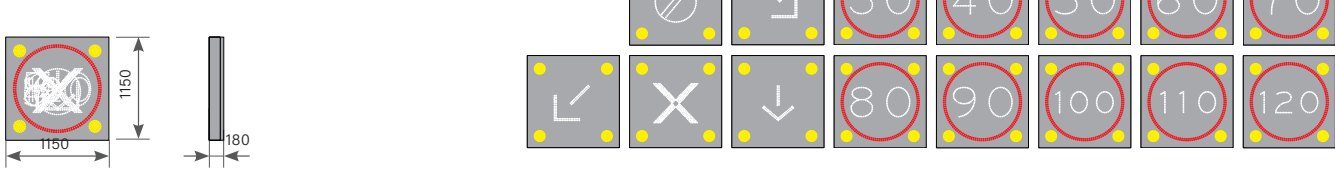 All multiple lane sign housing is made of aluminum, while stainless steel is optional

Light &Thin | UV Resistance
High Brightness | High Contrast Ratio
Energy Saving | Long Lifespan

Multiple Lane Sign

MLS-1000X1000

MLS-1150X1150

MLS-1300X1300

MLS-1650X1300

Specification

Model	MLS-1000×1000	MLS-1150×1150	MLS-1300×1300	MLS-1650×1300
Housing Size (W×H×D) (mm)	1000×1000×100	1150×1150×180	1300×1300×180	1650×1300×180
Ring Diameter (R) (mm)		970	850	850
Triangle Length (mm)	840			985
Pitch Size (mm)	20	20	20	20
Display	Red ✕ , Green / Amber ↙ ↓ ↘			
Enclosure Materia	Aluminum			
Enclosure Surface	Powder Coated, Matte Black (Other Colors Available)			
LED Type	SMD LEDs with Optical Lens			
Power Supply	90 ~ 260VAC (50/60Hz), 12/24 VDC			
Optical Performance	EN12966 (L3 / L3(*) / L3(T), R3, C2, B6)			
Protocol	NTCIP 1203 / MODBUS / JetfileII / Profibus			
Communication	RS232 / RS485 / Ethernet Via RJ45 / Optic Fiber			
Control Mode	I/O Control (Dry Contact optional) / Protocol Control			
Working Temperature	**T1** (-15℃ ~ +60℃), **T2** (-25℃ ~ +55℃), **T3** (-40℃ ~ +40℃)			
Ingress Protection Class	IP56, IP65, IP66			