

Laserlux[®] FM Vehicle Front Mounted Pavement Retroreflector



Adding to RoadVista's[®] long history of vehicle mounted mobile retroreflectometers (MRU's), the Laserlux[®] FM (LLFM), front mounted retroreflector is ideal for agencies tasked with assessing the retroreflectivity of their pavement markings to comply with the FHWA's MUTCD minimum retroreflectivity requirements and other contractual requirements. It allows operators to quickly identify problem areas, saving time and money by showing them where to focus their re-striping requirements

The Laserlux[®] FM is the safe, smart and simple solution to meet this challenge. It provides continuous pavement marking assessment and evaluation within the flow of traffic with a front mounted design that allows for full-lane measurement of left line, right line, and any center-lane markings on a single pass.

Field-Proven Technology

Safe Workers & Motorists

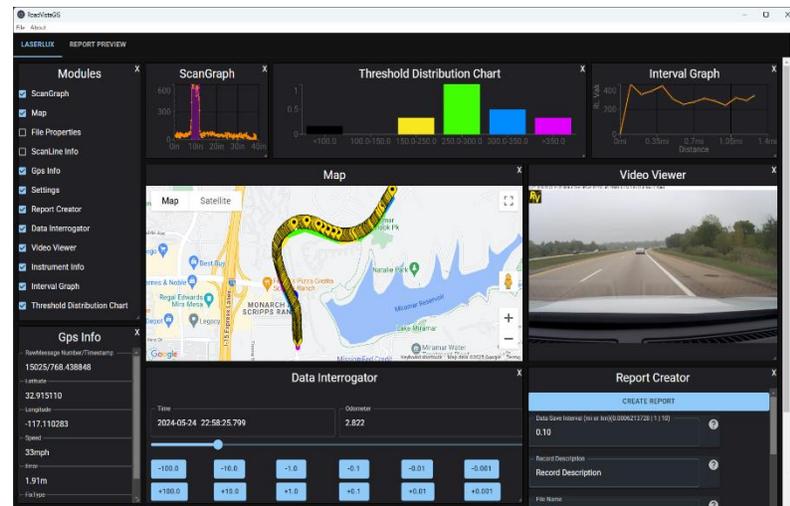
- No static work zones or feet on the street
- Daylight or nighttime measurement
- Continuous measurement at highway speeds

The Latest in Laser & Optics Technology

- Solid-state lasers scan > 400 times per second
- Retroreflectivity, contrast, line width, location, RPM count, and much more
- Auto-positioning system for continuous measurement and geometry management

Simple Setup

- Operates with virtually any handheld device or computer
- Attaches to any vehicle with a standard front hitch receiver



In-Depth Reporting

- Easy data storage and transfer via USB flash drive with basic reporting functions – no post-processing required
- Data is yours to own – no subscription fees to access your data
- RoadVistaGIS software provides in depth analysis and report generation

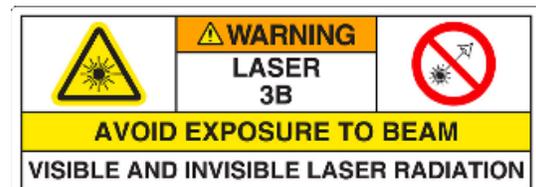
Specifications

Geometry	CEN 30-meter
Entrance Angle	88.76° ± 0.01° (ASTM E1710)
Illumination Angle	1.24° ± 0.01° (EN 1436)
Observation Angle	1.05° ± 0.01° (ASTM E1710)
Observation Angle	2.29° ± 0.01° (EN 1436)
Receiver Aperture	0.12°
Measurement Distance	12 meters (39 feet, 4.44 inches) in front of vehicle
Measurement Width	Approx 5 meter (16.4 feet) across lane width
Longitudinal resolution of measurement	> 7.6-cm. (3-in.) at 110 km/h (68 mph) > 3.5-cm. (1.4-in.) at 50 km/h (31 mph)
Measuring speed	0 to 150 km/h (0 to 95mph)
Measurement Range (R _L)	0 to 80,000 mcd/m ² /lx
Raised and Recessed Reflective Pavement Markers	Identifies, counts, and provides retroreflectivity values for RRPMP's
Ground Clearance	Approximately 330mm (13 inch) in the Home Position. Approximately 255mm (10 inch) in the Auto-Level (measurement) Position.
Operating Temp	-7° to 50°C (20° to 122°F)
Operating Humidity	5% to 95% RH non-condensing
Size (L x W x H)	48 cm X 104 cm X 37 cm (approx. 19in X 41in X 14in)
Weight	29kg (65 lbs)
GPS	72-channel WAAS-enabled w/ dead-reckoning Position accuracy < 2 m CEP
Multiple Platform Control	User Interface through standard Web Browser via Ethernet
Vehicle Platform	Mounts to almost any vehicle using standard 2-inch square front hitch receiver

Performance

- Solid-state laser based – maintenance free
- Automatically provides line contrast
- Measures double lines individually
- Measures the nighttime perceived line width
- No software or apps to install
- Auto-positioning system for continuous measurement / geometry management
- High-definition video recording
- Provides continuous retroreflectivity measurement at highway speeds
- Onboard data storage with removable USB drive
- Operation via standard 12-volt vehicle trailer plug
- Fast, easy, accurate calibration
- No need to measure distances or find level ground

**Complies with ASTM E1710 and EN1436
30 METER GEOMETRY**



Revision 26.02B



Specifications are subject to change without notice