Government agencies continue to recognize the important correlation between pavement markings’ retroreflectivity and roadway safety. These agencies are embarking on the challenge of assessing and managing the pavement markings of their entire roadway system. The Laserlux G7 is the safe, smart and simple solution to meet this challenge.

**LLG7**
Mobile Assessment of Retroreflectivity

**LLG7 - Vision**
Mobile Assessment of Retroreflectivity/Infrared

**LLG7 - Color**
Mobile Assessment of Retroreflectivity/Color

**Safe** Workers to Motorists
- No static work zones that create accident-prone traffic for motorists and allows the operator to be more visible to motorists
- No feet on the street, eliminating the need for workers being in harm’s way
- Continuous assessment and measurement, ensuring no line is left behind

**Smart** Optics to Build
- Measure at any time – day or night
- Proven laser-based optics that scan the markings more than 400 times per second
- Comprehensive data including retroreflectivity, contrast, line width, location, RPM count, and much more
- Auto-positioning system for continuous measurement and geometry management

**Simple** Setup to Reporting
- Easy operation from virtually any handheld device or computer
- Adapts to nearly any vehicle in minutes
- Easy data storage and transfer through USB flash drive

**PROVEN LASER-BASED OPTICS**
Scans pavement markings more than 400 times per second

**SQUID-MOUNT™**
Securely attaches to virtually any vehicle

**WI-FI WIRELESS OPERATION**
From any handheld device or computer

**NIGHTTIME COLOR MANAGEMENT**
Optional ability to assess nighttime color

**TRANSPORTATION SAFETY INNOVATIONS**

PPP, Inc.
9556 Historic Kings Rd. S. Suite #401
Jacksonville, FL 32257

888.717.7771
WWW.PPPCATALOG.COM
## Laserlux G7 Specifications

### Performance
- **Counts and inventories Reflective Pavement Marker (RPM’s) presence**
- **Automatically gives contrast of the line**
- **Operation of the unit is Wi-Fi wireless from any device - phone, computer, tablet, etc.**
- **Proven laser-based optics that scan pavement markings up more than 400 times per second**
- **Auto-positioning system for continuous measurement and geometry management**
- **Squid-Mount™ securely attaches to virtually any vehicle**
- **Provides with continuous retroreflectivity measurements at speeds above 60 mph**
- **Secure Wi-Fi operation and on-board data storage allows for near wireless function aside from a single 12-volt power cable outlet to the vehicle**
- **Data is stored in a removable USB flash drive – don’t waste time downloading your data at the end of the day**
- **Fast, easy, accurate calibration – completely self-contained with no need to measure distances or find level ground.**
- **Measures and records the width of the stripe**
- **Meets ASTM E1710, EN 1436, and CEN 30 METER**

### Optional Configuration
- **Nighttime Color Measurement**
  - The first-ever mobile retroreflectometer with the capability to determine if your white and yellow stripes fall within the designated ASTM or CEN night time color boxes
- **Vision System**
  - Simultaneously evaluates pavement markings for both human and machine vision. Deploys two lasers – one for measurement of retroreflectivity for human vision and one for measurement of infrared for machine vision

### Standard Accessories
- **Microsoft Surface Pro computer**
- **Browser-based operation panel**
- **Operating system**
- **Power cabling**
- **Calibration standard**
- **Calibration Certificate**
- ** Foam-lined protective cases**

### Retroreflectivity Table

<table>
<thead>
<tr>
<th>Retroreflectivity</th>
<th>Width</th>
<th>Contrast</th>
<th>RPM</th>
<th>Infrared</th>
<th>Color</th>
<th>Laser Count</th>
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<tbody>
<tr>
<td>LLC7</td>
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<td>✓</td>
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</tbody>
</table>

**The Laserlux G7 Measures the Coefficient of Retroreflection of pavement markings in the CEN 30-meter and CEN-15-meter geometries.**

### Geometry

<table>
<thead>
<tr>
<th>Geometry</th>
<th>CEN 30-meter</th>
<th>CEN 15-meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entrance Angle</td>
<td>88.76° ± 0.01° (ASTM E1710)</td>
<td>86.50° ± 0.01°</td>
</tr>
<tr>
<td>Illumination Angle</td>
<td>1.24° ± 0.01° (EN 1436)</td>
<td>N/A</td>
</tr>
<tr>
<td>Observation Angle</td>
<td>1.05° ± 0.01° (ASTM E1710)</td>
<td>1.50° ± 0.01°</td>
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<tr>
<td>Observation Angle</td>
<td>2.29° ± 0.01° (EN 1436)</td>
<td>N/A</td>
</tr>
<tr>
<td>Receiver Aperture</td>
<td>0.24°</td>
<td>0.33</td>
</tr>
<tr>
<td>Measurement Distance</td>
<td>6 meters (19 feet, 8.22 inches)</td>
<td>4.2 meters (13 feet, 9.35 inches)</td>
</tr>
</tbody>
</table>

### Longitudinal resolution of measurement
- Better than 7.6-cm. (3-inch) resolution at 110 km/h (68 mph)
- Better than 3.5-cm. (1.4-inch) resolution at 50 km/h (31 mph)

### Operating Temp
- -7° to 50°C (20° to 122°F)

### Operating Humidity
- 5% to 95% RH non-condensing

### Size
- 10" X 10.5" X 20" (255mm X 265mm X 505mm)

### Weight
- LLG7: <11 kg (23 lbs) • LLG7-Vision: <12.3 kg (27 lbs) • LLG7-Color: <14.1 kg (31 lbs)

### GPS
- 72-channel WAAS-enabled with dead-reckoning. Position accuracy <2m CEP

### Wireless control via any PC, tablet, or smart phone
- iPad, Android, Windows, etc.

### Vehicle Platform
- Mounts to almost any vehicle using removable vacuum mounting bracket

### Additional Readings
- Detects and counts reflective pavement markers (cat eyes, road studs, RPM’s)
- Measures double lines individually with separate RL values for each line
- Measures the nighttime perceived pavement marking line width
- Measures the contrast between the pavement and the line
- High definition video recording

Made & Serviced in the U.S.A!