LaneLight
Traffic Technologies, Inc.

...a Safer Way Home

5 YEAR WARRANTY

CERTIFIED ISO 9001

OVERHEIGHT WARNING SENSORS

LaneLight overheight warning systems come in both vertical and horizontal variations. Ideal for:

- *Tunnel systems*
- *Bridges*
- *Low overpasses*

www.lanelight.com

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Detects vehicles exceeding a specified height limit, activating nearby warning systems to prevent potential accidents.

OVERVIEW

HORIZONTAL SENSOR

SPECIFICATIONS HORIZONTAL SENSORS

Housing	Air/water tight polycarbonate
Supply Voltage & Current	10 V DC to 30 V DC. Emitter: <70 mA. Receiver: <22 mA
Output	Load 100 mA max. Protected against reverse polarity and continuous overload or short circuit of outputs
Sensing Range	700ft (213m)
Beam Type	Infrared, 875 nm
Response Time	30 milliseconds ON
Communication	2.4 Ghz
Rating	IP 67
Warranty	5-year limited warranty

Horizontal overheight sensors emit two solid beams that extend from one sensor to another across a roadway. When both beams are broken, the sensors receive a signal. This signal triggers warning systems down the roadway, such as LED enhanced signs or flashing beacons.

Horizontal sensors are capable of up to 700ft (213m) sensing range, allowing a sensor pair to cover multiple lanes.

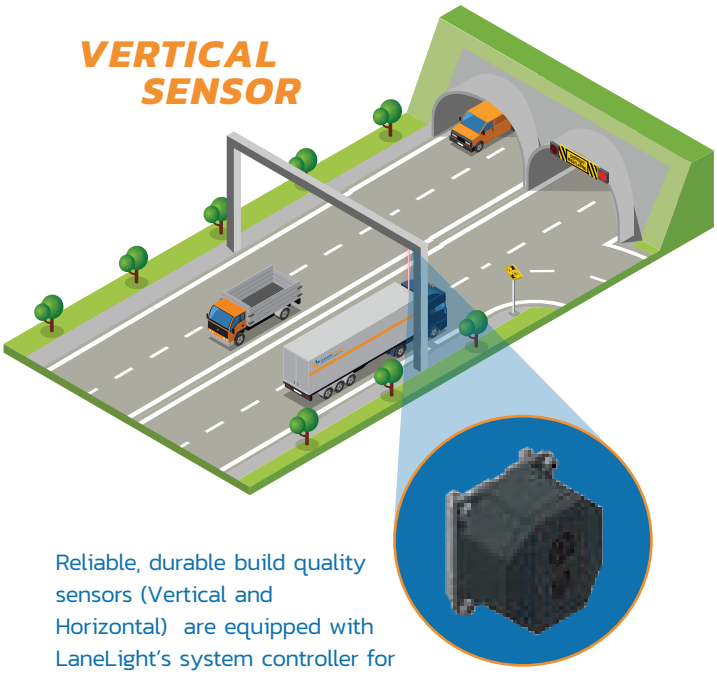
SPECIFICATIONS VERTICAL SENSORS

Material	ABS plastic housing; COP plastic lens
Supply Voltage	12-30 V DC
Power Consumption	Max. 1.3 W
Beam Type	LED, conic
Beam Angle	3° (half-angle 0 50%)
Measurement Accuracy	±2 in. (±4 in. with saturated signal) ±5 cm (±10 cm with saturated signal)
Sensing Range	129ft (39m)
Response Time	5 miliseconds
Communication	RS-485 link for measurement acquisition
Rating	IP 68
Warranty	5-year limited warranty

Vertical overheight sensors feature a downward pointing, single segment detection system mounted above the roadway to a gantry or similar structure. Contrary to horizontal sensors, vertical sensors are used on a per-lane basis, with one sensor pointing downwards onto each lane.

Vertical sensors are compact, low power consumption and easy to install.

VERTICAL SENSOR



Reliable, durable build quality sensors (Vertical and Horizontal) are equipped with LaneLight's system controller for easy integration into accompanying systems, whether new or existing.

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