



*Silicon Constellations Inc. is proud to offer the Lumini™, the traffic safety industry's most compact and cost effective in-roadway light solution. Lumini is a result of 15 years of field experience and design evolution with reliability in mind.*

## 2019 Lumini

### WARRANTY

Most comprehensive 5-year warranty

### MILITARY

Keeping our troops safe in military bases across the USA

### MUTCD

Complies with all MUTCD specifications for IRWLs

### CALTRANS

Approved for numerous Caltrans jurisdiction projects

### Strong and Durable

Lumini, made in the USA, is CNC machined from 7075 aluminum alloy. It easily exceeds requirements for HS-20 wheel load rating. The Lumini has a proven track record of enduring sustained, heavy tractor-trailer traffic as well as extremely harsh weather cycles. Lumini is bicycle friendly with gentle approach & departure angles for a smooth and safe ride.

### Affordable Brightness

Increased use of portable computing technology has greatly increased driver distraction. Stopping distances are greater requiring traffic safety systems with ample advance warning. Bright in-roadway lights are a critical component in safety and effectiveness of lighted crosswalk systems. Emitting more than 4 million cd/m<sup>2</sup>, Lumini is the brightest IRWL available. The Lumini is optimized for low-medium pedestrian traffic with typical system cost under \$10k.

### TECHNICAL SPECIFICATIONS

#### DIMENSIONS

Diameter	4.00"
Height above the road	0.60"
Depth of Roadway Penetration	0.50"

#### Light Output

Brightness	4 million Cd/m <sup>2</sup>
Dispersion Angle	30 x 30
Daytime Visibility	3,000 feet

#### Wireless System

Frequency Range	2400 – 2524 MHz
Effective Range	1000 ft.

#### Rechargeable Battery

Reserve Capacity	10 Days
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#### Environmental Conditions

Temperature Range	-20 to +60 C
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**MADE IN THE USA**