

LumiNova

The LumiNova™ is a direct drop-in replacement for inferior and malfunctioning in-roadway lights (IRWL), wireless or hard-wired. It is designed to fit in the existing bases manufactured by Spot Devices and Lightguard. Many municipalities have opted for the wireless LumiNova as the only viable alternative. This reliable, low cost upgrade solution makes crosswalks safer without having to resort to more core drills or saw cuts.

Brightest In-Roadway Light

Increased use of portable computing and entertainment technology has greatly increased driver distraction. Stopping distances are greater; requiring traffic safety systems to give drivers more advance warning. Brighter lights are critical components in effective in-roadway based warning systems because they equate directly to increased safety and effectiveness: brightness should always be a key criteria of any system specification. LumiNova is, by far, the brightest IRWL (wired or wireless) available anywhere in the world; emitting a minimum of 3,900,000 cd/m² in uni-directional mode.

Strong and Durable

The LumiNova housing, made of aircraft grade 7071-T6 aluminum, was designed to exceed requirements for the H-20 wheel load rating. LumiNova has a proven track record of resisting sustained, heavy tractor-trailer traffic as well as extremely harsh weather cycles e.g. rain, freezing rain, flash flooding and snow. LumiNova extends and improves on technology from previous LumiStar generations. LumiNova has vehicular/bicycle friendly approach & departure angles for a smooth and safe ride.

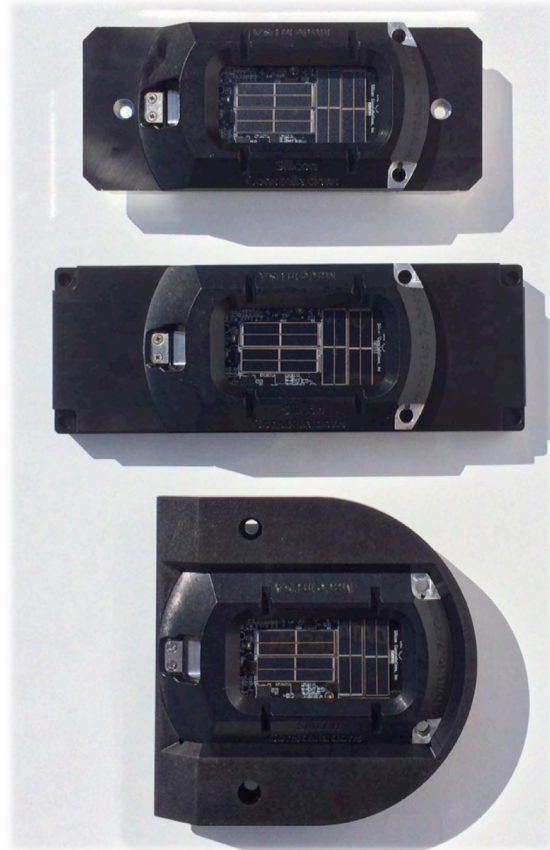


Photo shows three available adapter options:
SK2 – Spot Devices hard-wired
SK1 – Spot Devices wireless
LK – Lightguard hard-wired

TECHNICAL SPECIFICATIONS

Dimensions

Height above the road	0.75 "	
Depth of Roadway Penetration	1.00 " (Spot Devices and Lightguard base compatible)	

Light Output

Brightness	Per LED	Min. 3,900.00 Cd/m ²
Dispersion Angle		30 x 30 Degrees
Visibility	Mid-Day, Full Sunlight	2,000 Feet

RF requirements

Frequency Range		2400 – 2524 MHz
Effective Range	Line of Sight	1000 ft

Rechargeable Battery

Reserve Capacity	200 Activations Per Day	Min. 30 Days
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Environmental Conditions

Temperature Range	-20 to +55 °C	
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Reverse Compatible

LumiNova is compatible with baseplates from previous Spot Devices and Lightguard IRWL generations. Depending on traffic control requirements, the upgrading of an existing lighted crosswalk can be accomplished in as few as a couple of hours. The LumiNova is installed into the existing base in approximately five minutes without any special tools.

