



intelli**streets**™

Security

Engagement

Sustainability



SternbergLighting

ESTABLISHED 1923

www.sternberglighting.com

Your Eyes and Ears for Safety and Security

IntelliStreets™ is an integrated set of solutions offering the capability to see, hear, and record what's happening on your streets, thru both cameras and audio sensors. RGBA notification provides visual cues combined with a 360 degree speaker to give pedestrians and motorists vital information in critical situations. The dynamic 2-sided digital sign provides way finding, traffic direction, advertising, event and holiday promotion. In addition, our 'Push Blue' system creates a much higher level of threat mitigation to protect those in dangerous situations.





At IntelliStreets™, forward thinking planners are harvesting advancements in sensor miniaturization and combining them with solid state lighting and wireless control systems. Whereas a light pole in the past was just that — a means to simply support and energize a light fixture — we recognize it as a far more valuable asset. A singular structure that can include not only an energy efficient LED light fixture, capable of adaptive light levels and wireless internet-based control, but also house a robust speaker, LED messaging system, and two-way communication with on-site security.

That same pole can integrate seismic, atmospheric, gunshot, or water sensors. It can house a relatively small camera capable of recording daytime HD images and video, or utilizing infrared technology,

allowing it to “see” and record in shadows and behind foliage where a normal camera cannot.

Sternberg Lighting with on-board IntelliStreets™ smart city options offers technology and lighting in one package. Communication, environmental awareness, and safety are greatly enhanced when lighting controls are coupled with advanced sensor technologies. Managers of public and private properties can use IntelliStreets™ features to create an environment, keep traffic and pedestrians safe and moving, offer music entertainment and timely messaging that creates a total experience for visitors.

The inclusion of optional digital banners and signage provides a potential revenue stream that contributes to making these solutions economically viable.





With an increase in security threats, integrated security and messaging features within lighting systems can provide real-time imaging with advanced camera technology and up-to-the-second communications through on-board audio features in order to maintain a safe public environment.

A Robust System for Emergencies and Homeland Security...

Most campuses utilize basic call boxes for emergencies. Now with IntelliStreets™ enabled lighting pole assemblies security stations can include 2-way communication that provides up-to-the-second information to first responders. Residents and visitors in need will be more confident in a system that allows them to talk to someone that can guide them to safety, talk through a security situation or discuss early treatment of injuries.

Lighting equipment can be configured to respond to an alert as well. The main light can be dialed up to full brightness or flash. The colored flasher lights can blink or just turn on to a pre-configured color giving first responders visual cues to where

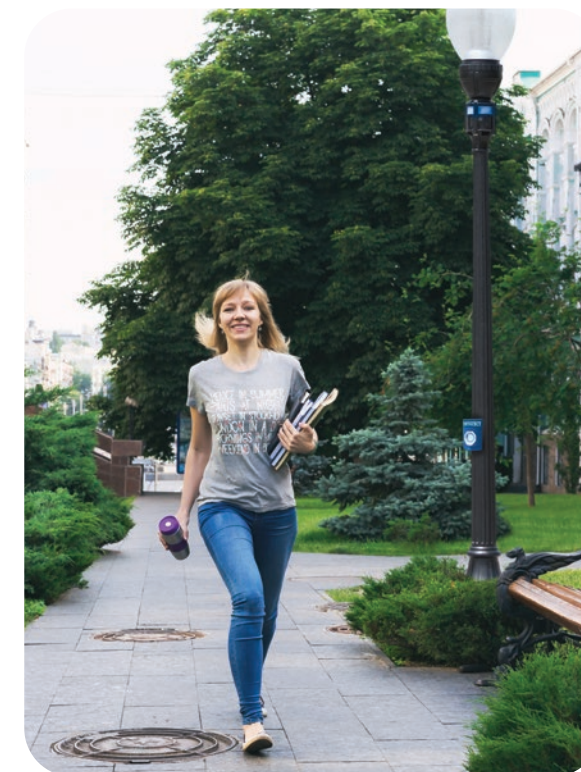
a security or medical event is occurring so no time is lost during the response phase.

Additionally, HD cameras can be actuated when the blue button is pushed so that real time video is capturing the event allowing first responders to have all the information they need to be prepared. Pre-recorded announcements can be triggered by emergency response to help inform and prepare those in need prior to emergency help arrival.

'Push Blue' calls can be programmed to automatically dial out to the 911 system, local police or campus security and can be changed over time if system or user needs change.

How it works:

1. Start by pushing illuminated 'Push Blue' Button.
2. The notification light flashes, and the luminaire turns brighter, increasing the level of awareness before an attack is committed.
3. Announcement is heard over the speaker that security has been notified and area is being recorded.
4. First responder voice is heard over loudspeaker.
5. Caller speaks hands free.
6. Appropriate rescue is routed to scene.
7. Call can only be terminated when first responder terminates.



Digital Graphics Provide Visual Communication

Digital message equipment can be mounted as banners on decorative pole assemblies providing 2-sided custom graphics in still or video formats. Emergency messaging for weather, crime or road repair can be wirelessly programmed and triggered to appear on demand giving residents and visitors dynamic visual information for entertainment or critical decision making situations.

- Road Closures & Detours
- Sporting & Concert Events
- Holiday Celebration
- Wayfinding
- Emergency Alerts
- Advertising Opportunities



Other Smart Features



Wireless Mesh Transceiver

With a centralized interface and wireless transceivers on each pole, the system allows for bidirectional communication between streetlights and other integral sensors. The mesh topology also provides self-healing for the network should one or more light poles become disabled.



Lighting Control

With patented wireless technology to communicate to individual luminaires, streetlights are able to save up to 70% in energy consumption and extend life beyond 20 years. The system provides unique flexibility in dimming as well as immediate control by first responders.



Concealed Placement Speaker

A fully integrated speaker within each multi-media luminaire provides audio at the street level for ambient music, pre-recorded announcements, dial-up mass notification and advertising.



Image Sensors

180 degree image sensors are concealed and offer a unique method of gauging pedestrian and/or vehicular traffic, providing accurate data by the event, minute, hour or day. This is a powerful tool for tenants, landlords and public safety officials, as well as cities to determine where the expansion of roads or pathways is warranted. Infrared cameras provide the ability to avoid privacy concerns while collecting important data related to traffic patterns and area growth.



Environmental Sensors

Environmental sensors can detect and report the presence of water, wind, heat, and lethal gas. They help city planners to assess and monitor air quality, particularly in heavily traveled urban areas. A complete weather station option is also available.

Stylish Vintage and Contemporary Sternberg Luminaires

Gateway Transceiver

- Small Lightweight Weatherproof
- Up to 1,000 feet to first node (Line of Sight)
- Low Power Consumption
- Provided with 4G Cellular CDMA or EVDO Modem

i-Slot with Incident Camera

- 2-Sided Configurations
- Occupancy Sensor/Motion Sensor
- Thermal Sensor
- People Counter



Dynamic Lighting

Flood lighting, color changing for events and holidays.



Boulevard 650SRLED



Twin Solana SL660LED



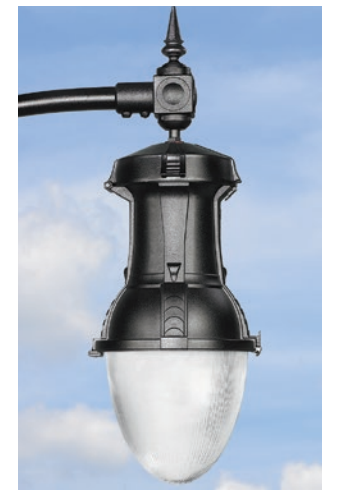
Old Town A850SRLED



Solana SL760LED



Omega 1527LED



Libertyville 1914LED

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SternbergLighting

ESTABLISHED 1923



LOCATED IN ROSELLE, IL

Engineered, Tested and Assembled in the USA!

Sternberg Lighting has created a legacy of old world craftsmanship that dates back to the company's inception in 1923. The work ethic and product innovations that made the early Sternberg company successful are still being practiced by our employees today. Our dedicated staff, attention to detail, and quality production processes are what make Sternberg a world class company.

Sternberg Lighting serves the municipal, landscape, higher education and commercial markets providing efficient and cost effective lighting solutions to the outdoor market.

See our complete catalog online at:

www.sternberglighting.com



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