

Lighting Your Way to Safe Streets for All

Intelligent Streetlight Solutions Eligible for SS4A Grants

Proper Lighting is Critical to Safety

76%

of pedestrian fatalities occur in the dark.

International Energy Agency

Up to **30%**

fewer nighttime crashes with proper street lighting.

Federal Highway Administration

15- 40%

of US roads do not meet recommended lighting levels.

American Association of State Highway and Transportation Officials



Safe Streets for All (SS4A) Grants

Over the next 5 years, the federal government will award **\$5 billion** in SS4A grants to support planning, infrastructure, and operational initiatives to make streets safer. The goal is zero roadway deaths. **Street lighting is an essential and proven component of road safety initiatives.** 15/37 grant winners included lighting in their action plans.

“Proper lighting can help reduce crashes, aid in identifying pedestrians and bicyclists, and improve the overall safety and quality of the roadway environment.”

*Federal Highway Administration
“Safety Benefits of Street Lighting”*

Make Streetlights Intelligent to Improve Road Safety



Optimize Visibility

Better visibility of obstacles, signage, pedestrians, and other road users improves reaction time and reduces the risk of accidents.



Improve Reliability

Real time alerts help cities address outages, downed lights and power issues to maximize uptime and avoid safety hazards.



Reduce Glare

Control lights to minimize the impact of glare from fog, rain and snow by ensuring adequate lighting and directing lights away from driver's line of sight.



Enhance Perception

Control lights to create a mild degree of non-uniformity. This creates a balance between light and shadow, enhancing contrast and perception.

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Better Lighting Helps Communities Address a Broader Set of Issues



Equity

As part of the Justice40 Initiative, 40% of SS4A funding will directly impact marginalized communities.



Sustainability

Intelligent street lighting reduces energy consumption and greenhouse gas emissions.



Economics

Intelligent lighting pays for itself in three to four years with energy and maintenance cost savings.



Safety

Better lighting lowers crime rates and improves situational awareness for police and residents.

Network Streetlight Controller

UbiCell® is Ubicquia's Network Streetlight Controller. When plugged into a streetlight photocell socket and connected to an LTE network, your streetlights become intelligent. Communities can use that intelligence to optimize lighting for safety.

Manage Streetlights in the Cloud

The UbiCell is managed by UbiVu®, a cloud-based platform that provides the analytics and control you need to improved road safety.



Real time damage and outage notifications



Real time pole tilt and vibration alerts



Powerline monitoring



Luminescence fine-tuned to rain and snow



Vertical illumination & constant light output controls



Lighting and dimming synced with accurate local sunrise and sunset times

About Ubicquia

Ubicquia® creates intelligent infrastructure platforms that are compatible with the 360 million streetlights and 500 million transformers that line our streets. They deliver energy savings, enhance public safety, bridge the digital divide, and improve grid resiliency. Ubicquia products are deployed by more than 700 customers including some of the largest cities, utilities, and mobile operators across North America. To learn more visit www.ubicquia.com or contact us at info@ubicquia.com.