

NLS LIGHTING

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NLS Lighting Completes Largest Streetlight Post Top Modernization Project in U.S. History in Washington, D.C.

Washington, D.C. – NLS Lighting, LLC proudly announces the successful completion of the largest streetlight Post Top modernization project in United States history—the **D.C. Smart Street Lighting Project**—with the delivery and installation of more than **18,000 Savannah Post Top Retrofit fixtures** across the nation’s capital.

As the manufacturer of the historic acorn-style streetlamps for Washington DC, **NLS Lighting** now provides efficient, sustainable illumination for the Capital’s most iconic **monuments, landmarks, and downtown streetscapes**, including the National Mall.

“This project represents a significant milestone for both Washington, D.C., and NLS Lighting,” said **Bill Hein, Founder of NLS Lighting**. “We are proud to have contributed

to modernizing the Capital’s lighting infrastructure while achieving 100% on-time and on-budget delivery for one of the largest outdoor lighting projects ever, providing lasting benefits to the residents and visitors of D.C.”

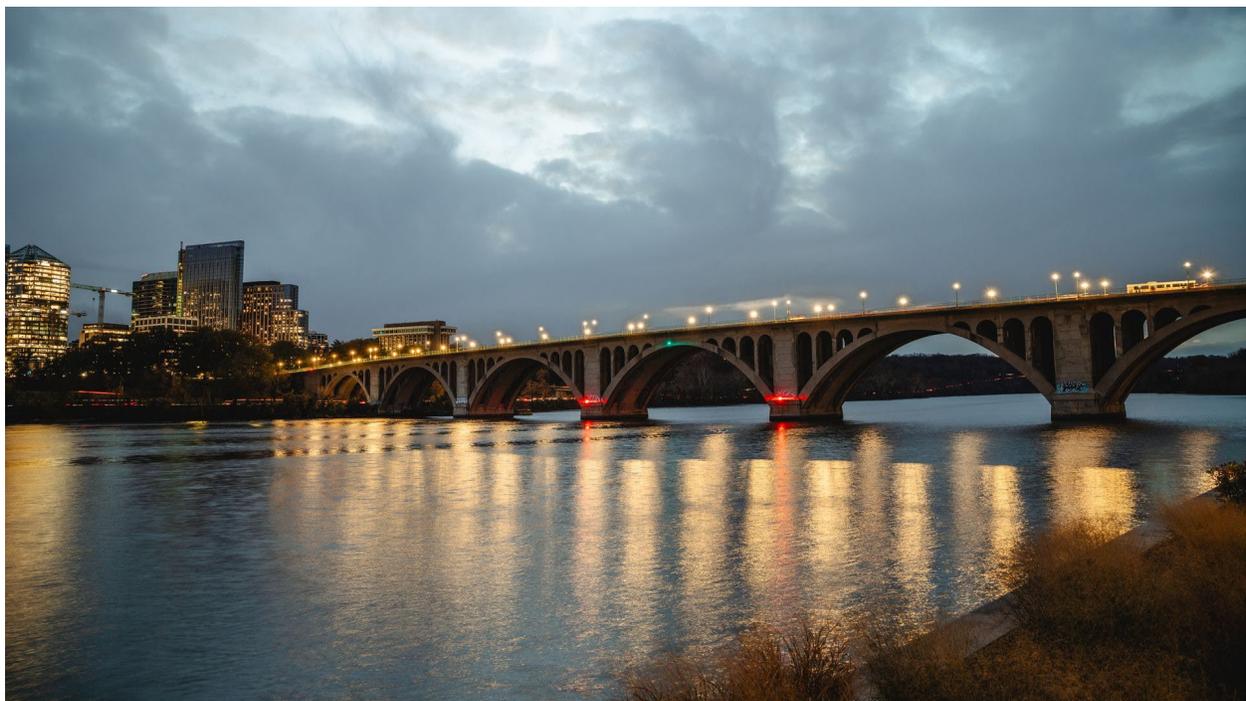
Considered the **nation’s largest urban streetlight modernization public-private partnership (P3)** project, the **\$309 million D.C. Smart Street Lighting Project** marks the District’s **first P3 initiative**. The comprehensive modernization program replaced over 75,000 legacy fixtures citywide and implemented a connected smart control system to improve safety, sustainability, and operational efficiency.

(For additional background, visit: [OpTerra Energy Case Study – D.C. Smart Street Lighting Project](#))

The upgraded lighting system was designed to meet the **strict performance and preservation standards** of the **D.C. Department of Transportation**, the **Washington DC Historical Society**, and the **D.C. Chapter of DarkSky International**. The result is a system that enhances visibility and public safety, reduces energy consumption, and minimizes light pollution—all while preserving the city’s architectural heritage and nighttime ambiance.

Washington, D.C. Mayor Muriel Bowser emphasized the project’s community impact, stating:

“With this project, we’re doing so much more than just replacing lights – we’re making our streets safer, our communities more connected, and our city more resilient.”



Engineering Excellence That Set NLS Lighting Apart

NLS Lighting's **Savannah Post Top Retrofit** fixtures met and exceeded the demanding technical and aesthetic requirements of the D.C. Smart Street Lighting Project — specifications that few, if any, other manufacturers could achieve.

Key project criteria included:

- **Over 100 Lumens per Watt at 2700K and 80 CRI**, maintaining warm historical color tone with exceptional efficiency.
- Integration of **18,000 DALI drivers and control systems** for networked smart lighting capability.
- **Less than 10% upright**, meeting **International Dark Sky Association** standards while avoiding dark top appearance.
- Custom design to **fit over 18,000 existing poles**, accommodating **multiple pole-top variations** across the District.
- **Single-source light appearance** with uniform, dot-free optics.
- Compliance with **IES illumination standards** for **Collector, Local, and Pedestrian-class streets**.
- A built-in, in-house engineered **120-degree house-side shield** to meet neighborhood light-spill and glare requirements.

Following the successful completion of the D.C. Smart Street Lighting Project, **NLS Lighting** is proud to extend the proven benefits of its **Savannah Post Top Retrofit** fixture to municipalities and organizations worldwide seeking sustainable lighting modernization solutions.

About NLS Lighting, LLC

NLS Lighting, LLC, headquartered in **Carson, California**, is a leading provider of **innovative outdoor lighting solutions**. Specializing in **energy-efficient LED technology**, NLS Lighting serves a wide range of sectors, including **municipal, commercial, industrial, and recreational** markets. The company's commitment to **Intelligent Light + Performance™** ensures every project delivers superior illumination, durability, and design integrity.

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