HOLOPHANE®
LEADER IN LIGHTING SOLUTIONS

Utility Substation

Solutions to Light Your Facility

AcuityBrands.

Light up your facility

Utility substations are a critical part of your infrastructure. You work hard to maintain the security of your facilities and prioritize the safety of your attendant personnel. But what are you not seeing? Consider how lighting can play a critical role in the operation of your substation- whether it is currently lit or you are simply evaluating updates.

Lighting supports your security plan and improves visibility in large area environments

- Lighting can act as a deterrent, particularly through perimeter lighting as a first line of defense
- Lighting allows your cameras and remote monitoring to detect activity in the area
- Address security guidelines – so your substation doesn't become a point of vulnerability for trespassing and vandalism

Lighting enhances your personnel's safety throughout your facility grounds

- A well-lit environment provides proper visibility
- Personnel can safely enter the premises any time of the day or night
- Code requires lighting when personnel are present

Updated lighting can help you save and reduce the number of updates

- With an expected service life of 20 years, our lighting solutions can help you achieve 60% savings in energy costs and 50% savings in maintenance costs on average, so you can generate the savings to fund your initial investment and obtain a payback in as little as 1.4 years. Eliminate frequent lamp and ballast replacements associated with traditional technologies or other maintenance resulting from unreliable performance.

Reduce light trespass in the community while maintaining desired light levels

- Restrict unnecessary light pollution from area lighting
- Maintain lighting for monitoring and safety without bothering neighboring commercial or residential buildings

Acuity Brands Difference

Our extensive portfolio provides the right lighting for each space of your substation- from perimeter to fence to security and the indoor spaces of your facility. When paired with controls, you can ensure that your lighting will function reliably and according to your needs. Our solutions are rigorously tested for quality to serve both the needs of the facility and your personnel.

Why Choose Acuity Brands to Light Your Substation Facility?

For over a century, we have taken great pride in delivering thoughtful design, consistent performance, quality manufacturing and meaningful assistance when you need it.

The Right Lighting Solution for You

As North America's leading lighting manufacturer, we provide lighting and controls solutions that give our customers the greatest value with superior visibility, energy efficiency, reliability, quality and service. See how our broad portfolio can meet the needs of your project.

Choose Quality with Confidence

Our products are rigorously tested to industry-leading standards, achieving ANSI-accredited certifications. Backed by operational excellence and serviced warranties, our products combine design and precision with reliable performance to deliver the highest value throughout your facility's lifecycle.

We're Here for You

Our highly trained experts can help you select the right products for your applications and provide design assistance to address your requirements. With local sales representatives and distribution centers dispersed across the country, support and product is always available, where and when you need it!

Lighting controls maximize your return

A solution tailored to your needs and budget

Controls help maintain the mandated levels of illumination any time of the day or night and can be adjusted to attendant personnel's presence, while promoting visual comfort for the surrounding community and limiting complaints of light trespass. Motion detectors help light areas for your attendant personnel or support your surveillance monitoring.

Remote monitoring for your lighting system

SensorView browser based application

SensorView is an intuitive and easy-to-use, web-based suite of applications that gives authorized users the ability to remotely configure and monitor nLight® network luminaires and control devices. SensorView also can assist with system commissioning by indicating and reporting on sensor and controller settings in addition to displaying live device status.

Simplify your lighting with networked controls

nLight AIR networked lighting controls platform

nLight AIR is a simplified wireless lighting control solution that eliminates the need to run wires, resulting in an overall lower cost of install. The nLight AIR sensor is a relay, occupancy sensor, and photo controller all in one device embedded into a wide variety of indoor and outdoor luminaires. This feature provides a cost effective solution for applications where an IP65 enclosure is needed and enables control, occupancy detection, and daylight harvesting per individual fixture and can be added to communication networks for group control, current monitoring and driver/lamp outage detection.

• Turns lights off when space is unoccupied, increasing energy savings and the life of your luminaires
• Light only the space you need with optional dimming and photocell settings

Simple
Wireless install and setup, nLight AIR embedded sensors work as occupancy sensors and photocells out-of-the-box while the CLAIRITY™ Pro app allows you to easily adjust sensor settings.

Scalable
Ideal for any application, small to large, indoor to outdoor, scaling from one room to a whole building, across an entire site. Visualize Real-Time Operational Data with SensorView software.

Connected
Connects light fixtures, sensors, and other control devices to create a digital network with unmatched flexibility. Integrate with building management systems leveraging BACnet® capabilities.

Secure
Our commitment to security incorporates core principles and best practices early into the product development lifecycle and governance policies that meet industry best practices and guidelines.

Lighting for your substations

Area Lighting

While appropriate illumination is essential to safe and secure operations within substations, especially during extreme weather conditions, area lighting should comply with light trespass concerns that result in citizen complaints.

FIXTURE	TYPE	DESCRIPTION
	Autobahn Series - LED Cobra Head, by American Electric Lighting	The Autobahn family is available in seven economical form factors & sizes to provide flexible design options for cobrahead replacement in any roadway and area application. Available in 7 Sizes and Two Styles. Replaces 70W to 400W HID.
	Mongoose LED family– Area and Offset Lighting, By Holophane	The Mongoose LED provides an energy-saving and sustainable solution that is easy to install with two sizes/form factors, three mounting options, and the ability to tilt the fixture. Replaces 150-1,000W HID shoebox and cobra head luminaires.
	Floods -75LED -Utility Floodlight by American Electric Lighting	The 75LED Utility Floodlight offers a value-driven solution for floodlighting applications where reliability, high performance, simple installation and hassle-free maintenance must be balanced with initial cost of installation. Replaces 100-400W HID.
	ACP LED -Utility Floodlight By American Electric Lighting	The ACP LED industrial utility floodlight family provides exceptional illumination while reducing energy and maintenance costs. Robust but affordable, the ACP family features a long system life with multiple lumen packages and mounting options. Replaces floods up to 1,000W HID.
	Predator® LED Industrial Utility Floodlights By Holophane	The Predator® LED floodlight provides cutting edge optics and LED technology to deliver optimal performance and uniformity in applications such as perimeter and security lighting. Replaces up to 1,000W HID Floods.

Wall Packs

Create supplemental lighting in small areas without additional poles.

FIXTURE	TYPE	DESCRIPTION
	Wallpack LED by Holophane	Wallpack® LED luminaires offer excellent performance, ease of maintenance, and typically requires fewer units to achieve light level requirements at your facility. Replaces up to 400W HID.
	Wall Pack Full Cutoff LED for Pole, Wall and Canopy Mounting by Holophane	The Wall Pack Full Cutoff LED is designed for mounting heights up to 30' and offers a variety of distributions, colors and controls. Emergency battery backup and a variety of motion sensor options are available to meet local requirements.

Structure Lighting

Adequately illuminate target work areas with precise directional light sources to enhance operational safety. These applications require precise, directional light sources with narrow- and medium-size beams.

FIXTURE	TYPE	DESCRIPTION
	LNH2 Series - LED NEMA Security Light by American Electric Lighting	LHN2 Series LED security light that can provide up to 80% reduction in energy over traditional HID products. Replaces 50 – 150W HPS or 175W MV.
	Watch Light WL1 - LED NEMA Security Light by American Electric Lighting	The Watch Light compliments an array of high performing lumen packages and distributions while retaining a light weight, easy installation and long system life. Replaces 70 – 150W HPS and up to 250W MV.
	Petrolux® PXLW LED Round Low Bay by Holophane	Petrolux® PXLW LED Round Low Bay is the optimal cost-efficient, light weight, feature-packed solution for the demanding environments where dust, dirt and moisture are a concern.

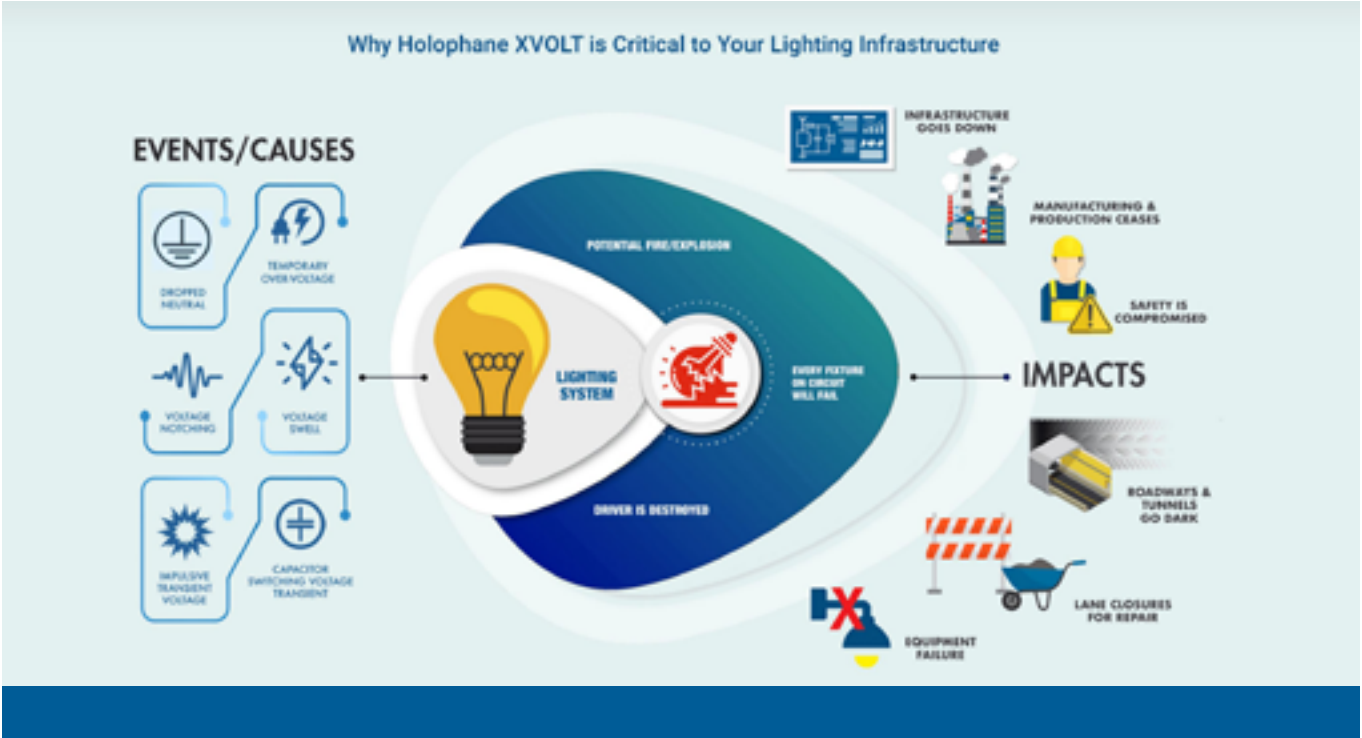* Verify exact fixture for specific rating

Post-Tops

Post-tops provide uniform vertical illumination to light equipment mounted below. Models include full cutoff versions to reduce light pollution.

FIXTURE	TYPE	DESCRIPTION
	Series 245L LED - Contemporary by American Electric Lighting	Series 245L LED is available with a variety of controls options including part-night-dimming and field-adjustable lumen output suitable for applications typical to HPS luminaires up to 150 watts.
	Series 247L LED - American Revolution Colonial by American Electric Lighting	Series 247L LED American Revolution LED Post-top combines traditional aesthetics and install-friendly features, suitable for applications typical to HPS luminaires up to 150 watts.
	PTU Post top - Utility by Holophane	The PTU Postop blends classic design with state-of-the-art optics and lamp technology to deliver superior performance. Lineman-friendly features make Holophane LED post-top lanterns easy to install. Replaces 50-250W HID.

XVOLT Protection

Protect your lighting infrastructure from catastrophic failure with the XVOLT option from Holophane.

On a 277V circuit, if the neutral is dropped for even a second, the result is every fixture getting hit with 480 volts. This can cause catastrophic failure resulting in destruction of the driver with potential for fire or explosion. This damage typically affects every fixture on the lighting circuit, compromising your entire system.

Upgrading to the Holophane XVOLT option can provide the confidence of greater protection from poor power quality and helps ensure longer operational life for your lighting system. Also, whenever XVOLT is selected you will also get the high voltage 347 480V SPD option which provides additional power surge and over voltage protection.

Lighting Solutions that Work for You

Our team of highly trained sales professionals are located throughout the country and are ready to assist you at your facility.

Contact us for help with:

- Coordinated site visits and project support
- Audit and lighting recommendations
- Lighting and controls system design assistance
- Education and training

- Proposal and business case response support
- Contract submittals
- Commissioning support
- Technical and field service support

Contact your local Acuity Brands® rep today

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