



PRODUCT CATALOG





UNION METAL POLES FOR A SAFER AMERICA

Architectural Area Lighting



Union Metal's range of lighting solutions includes poles and supports designed for architectural area lighting. Many of our poles, including those in the decorative Nostalgia Series, are ideal for lighting in offices, shopping complexes, parks, and residential settings. We have also supplied poles for state DOTs, municipalities, and utilities, as well as private projects for all lighting applications. Our poles are seen on campuses and universities, piers, and boulevards as well as parking lots, walkways, and recreational parks across the country.

The versatility of our poles makes them a natural fit for architectural area lighting. Our process for manufacturing tapered shafts guarantees uniform section shape, high-yield strength, and unobtrusive weld seams. With a variety of shaft cross sections and sizes, Union Metal offers the most diverse product catalog in the industry today.

Lighting arms can be either single member or trussed, and all area lighting poles are available with various style mounting arrangements.

Dependable Aluminum and Steel Construction

Our vast selection of architectural area poles is designed and manufactured for durability, wear and corrosion resistance, and visual appeal. We begin with the highest-quality materials for our steel and aluminum designs, and fabricate poles and supports that meet your specifications and exceed your expectations for architectural lighting and a number of other applications, including:

Complete Lighting and Traffic Support Solutions

In addition to an extensive catalog of light and traffic pole designs, Union Metal also provides responsive and innovative custom capabilities. Our full range of stock and custom lighting solutions has provided unique and reliable lighting for large and small cities for decades.

Our **Nostalgia Series**, which features original pole designs dating back to the early 1920s, offers classically-styled street and residential lighting, traffic poles, and luminaires that bring a distinct old-world charm to modern urban settings.





UNION METAL POLES FOR A SAFER AMERICA

Cell Towers and Telecommunication Poles



The communications industry continues to grow exponentially, and Union Metal helps the technology reach new heights with our cellular towers and communications poles.

Whether for personal or business use, and casual or emergency, cellular communications have become a necessity. To bring clear and dependable connections to market, providers need state-of-the-art cellular towers, poles, and antennas that will function in ever demanding conditions, and grow along with the latest technology. For decades, Union Metal has been on the leading edge of this industry for our telecommunications customers.

Our technologically advanced monopole fabrication line has been carefully engineered to meet the demanding requirements of the quickly expanding wireless communications tower market.

Dependable Construction

Our vast selection of cellular towers and communications poles is designed and manufactured for durability, wear and corrosion resistance, and visual appeal. We begin with the highest-quality materials for our designs, and fabricate poles and supports that meet your specifications and exceed your expectations for street lighting and a number of other applications, including:

Complete Lighting and Traffic Support Solutions

In addition to an extensive catalog of light and traffic pole designs, Union Metal also provides responsive and innovative custom capabilities. Our full range of stock and custom lighting products has provided unique and reliable lighting support solutions for a vast number of applications.

Our [Nostalgia Series](#), which features original pole designs dating back to the early 1900s, offers classically-styled street and residential lighting, traffic poles, and luminaires that bring a distinct old-world charm to modern urban settings.

Custom Structures



One of Union Metal's specialties is helping our customers find the sign structure or custom pole design that provides the perfect fit for their needs. If our comprehensive catalog of "off-the-shelf" and decorative lighting poles and support solutions do not completely match what our client envisions, our expert custom design services go to work.

Union Metal's structural design and engineering expertise, specialized manufacturing capabilities, and century of experience allow us to meet any of your custom pole requirements. We employ a unique mandrel-formed process to produce sturdy pole shafts in various shapes, diameters, and wall thicknesses. This process also enables us to incorporate materials such as stainless steel, to add an additional level of wear-resistance and visual impact to the surface of your finished product.

Union Metal's engineering and manufacturing expertise is complemented by our expansive archive of historic castings that dates back more than a century. If you're looking for something different to set your project apart, Union Metal has the capabilities and experience to help you take your lighting to new heights.

Dependable Aluminum and Steel Construction

Our vast selection of sign structures and all of our custom poles are designed and manufactured for durability, wear and corrosion resistance, and visual appeal. We begin with the highest-quality materials for our steel and aluminum designs, and fabricate poles and supports that meet your specifications and exceed your expectations for street lighting and a number of lighting and support applications, including:

Complete Lighting and Traffic Support Solutions

In addition to our responsive and innovative custom capabilities, Union Metal also provides an extensive catalog of stock light and traffic pole support designs. This comprehensive range of products has provided unique and lasting lighting solutions for a vast number of applications.

Our **Nostalgia Series**, which features original pole designs dating back to the early 1900s, offers classically-styled street and residential lighting, traffic poles, and luminaires that bring a distinct old-world charm to modern urban settings.





UNION METAL POLES FOR A SAFER AMERICA

High Mast Lighting



For decades, Union Metal has been the foremost source of high mast lighting poles for state DOT projects, prisons, Port Authorities, and other commercial projects across the country. These organizations, and a host of others, choose Union Metal because of our proven quality in manufacturing and design, as well as our focus on finding our customers the best possible value.

All Union Metal high mast lighting poles are designed to AASHTO standards, and comply with various state specifications. These versatile poles are commonly used in roadway lighting, highway lighting, and parking lot lighting.

High mast lighting poles range in height from 60' to 150' and are designed to accommodate a number of lowering device manufacturers' equipment. High mast poles can be easily galvanized or painted for even greater versatility.

Dependable Construction

Our vast selection of high mast lighting poles is designed and manufactured for durability, wear and corrosion resistance, and visual appeal. We begin with the highest-quality materials for our designs, and fabricate poles and supports that meet your specifications and exceed your expectations for architectural lighting and a number of other applications, including:

Complete Lighting and Traffic Support Solutions

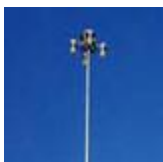
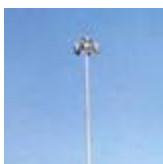
In addition to an extensive catalog of light and traffic pole designs, Union Metal also provides responsive and innovative custom capabilities. Our full range of stock and custom lighting products has provided unique and reliable lighting support solutions for a vast number of applications.

Our **Nostalgia Series**, which features original pole designs dating back to the early 1900s, offers classically-styled street and residential lighting, traffic poles, and luminaires that bring a distinct old-world charm to modern urban settings.



UNION METAL POLES FOR A SAFER AMERICA

High Mast Photo Gallery





Links

Browse the following links to learn more about our industry.

The National Trust Main Street Center

The National Trust Main Street Solution Center is your one stop location for commercial district revitalization information.

www.mainstreet.org

The American Association of State Highway and Transportation Officials

AASHTO is a nonprofit, nonpartisan association representing the highway and transportation departments of the United States, the District of Columbia, and Puerto Rico. AASHTO represents all five transportation modes: air, highways, public transportation, rail, and water. Its primary goal is to foster the development, operation, and maintenance of an integrated national transportation system.

www.aashto.org

ASTM International: Standards Worldwide

ASTM International is an open forum dedicated to the development of high quality, market-relevant international standards.

www.astm.org

Metal Pole-Lite

Learn more about our Canadian business.

www.polelite.com

Goldner, Hawn, Johnson, and Morrison

Learn more about our owner company.

www.ghjm.com



Main Street Lighting and Design



Across the country, cities and towns are restoring and revitalizing their images to create a safer, more attractive, and more appealing environment for residents, visitors, and businesses. The Main Street program has led this initiative — encouraging planners and engineers to focus on historic preservation as they choose the designs and products for these revitalizing efforts.

Union Metal supports towns and cities by producing the high-quality main street lighting solutions in its Nostalgia Series. This collection of lighting and signage poles includes decorative and antique designs dating back to the early 1900s. In fact, many cities and towns are currently installing decorative lighting using the exact same design molds that Union Metal created for them nearly a century ago!

Working closely with the National Main Street Center, Union Metal updates these designs to meet modern standards, restrictions, and strength/corrosion resistance expectations. This successful blending of up-to-date technology and authentic “old-world” designs enables Main Street communities to create distinct and enjoyable environments.

Historical Archives

In the interest of helping communities find the right main street lighting solution, Union Metal has a [Historical Archive](#) which serves as a valuable resource to city planners, historical societies and other specifiers. These comprehensive records identify over 4000 cities that installed Union Metal poles prior to 1930. Through the Archives, city planners can determine the exact poles that were previously in place, and can order brand-new poles based on these designs for their current revitalization efforts.

Most Historical Archive listings include the original order quantity and Union Metal catalog number. Photography of the site is included where available.



A Full Range of Lighting Solutions

In addition to the Nostalgia Series, Union Metal designs and manufactures a vast selection of lighting and signage poles for a variety of applications. All our products are engineered for durability, wear and corrosion resistance, and visual appeal. We begin with the highest-quality materials for our steel and aluminum designs, and fabricate poles and supports that meet your specifications and exceed your expectations for a number of applications, including:





Materials

Our vast selection of products is designed and manufactured to the highest of specifications and quality. The materials we use are manufactured in compliance with ASTM International standards to provide quality poles for your application. Our products are manufactured for durability, wear and corrosion resistance, as well as visual appeal. Provided below is information on our materials, including Union Metal specifications, ASTM standards and process conditions:

Steel Tapered Shafts — ASTM A595

Anchor Bolts — ASTM F1554, GRADES 36,55 or 105

Castings

Aluminum — 319, 356

Gray Iron — ASTM A48c Class 30

Galvanizing

Poles — ASTM A123

Hardware / Anchor Bolts — ASTM A153

Plates — ASTM A36

Mandrel Process for Steel Tapered Shafts —ASTM A595

Telescoping Joint Specs — Minimum 1 ½" x the inside diameter of female tube

Welding — AWS D1.1

Shafts

Steel shaft of the pole shall be fabricated from not less than #11 Manufacturer's Standard Gauge, best grade, hot rolled basic open hearth steel. The shaft shall have only one longitudinal, automatically, electrically welded joint, and shall have no intermediate horizontal joints or welds. Only one length of steel sheet shall be used, which shall be formed into a continuously tapered shaft, having a taper of approximately .14" per foot.

After forming and welding, the tapered shaft shall be longitudinally cold rolled under sufficient pressure to flatten the weld and increase the physical characteristics of the shaft so that the metal will have a minimum guaranteed yield strength of 55,000 psi.

The cold rolling process shall also form a round, octaflute, square, octagonal, or cruciform shaft (as specified by the design of the pole to be furnished). The octaflute shaft shall have equally spaced Doric flutes, sharp and clear-cut throughout the entire length of the shaft. To obtain the sharp crest of the flutes, the radius of the crest shall be less than the thickness of the metal in the shaft.



Roadway and Highway Lighting, Traffic, and Signage Solutions



Union Metal provides roadway and highway lighting solutions for state and public highway engineers and designers. Our wide selection of supports for lighting, signage, and traffic control is constantly updated and improved to keep up with ever-changing state requirements and other specifications.

Our roadway and highway lighting products are constructed with the highest-quality American steel and aluminum, and treated for enhanced resistance to corrosion and wear. These products include traffic mast arms, strans, overhead sign structures, and high mast poles.

In addition to lighting poles and supports, Union Metal also provides our customers with valuable expertise and custom design capabilities. Whenever possible, we apply our skills and knowledge to help public officials conserve funds by cutting the cost of installation and maintenance.

Union Metal is an AISC certified factory and ISO 9001 certified. We are also an approved supplier to State Departments of Transportation across America, and design our products to comply with AASHTO requirements.

A Century of Innovation

In the early 1900s, Union Metal became a pioneer in the design and manufacture of functional, dependable, and eye-catching street lighting poles and sign supports. Since then, we have constantly innovated the technology that enables more durable construction, more intricate designs, and greater load capacity — to accommodate the ever-increasing needs of the market.

At the same time, we have held true to the level of responsive service that established us as a leader in the field. For quality street lighting and traffic pole solutions, Union Metal is the name to know.



A Full Range of Lighting Solutions

In addition to the Nostalgia Series, Union Metal designs and manufactures a vast selection of lighting and signage poles for a variety of applications. All our products are engineered for durability, wear and corrosion resistance, and visual appeal. We begin with the highest-quality materials for our steel and aluminum designs, and fabricate poles and supports that meet your specifications and exceed your expectations for a number of applications, including:





UNION METAL POLES FOR A SAFER AMERICA

Sports and Stadium Lighting Poles



Union Metal manufactures a complete line of poles and supports specifically designed for the unique demands of sports and stadium lighting, as well as floodlight applications.

These poles are built to carry the large lighting loads associated with today's stadiums and other outdoor recreational facilities, and help to illuminate professional, amateur, and local baseball, football, and soccer fields as well as tennis and basketball courts. Our sports lighting solutions help create a brighter and safer environment for teams and spectators alike.

Union Metal Stadium Lighting Poles are equipped with either cross arms or full service platforms complete with walkways, safety cables, pole steps, and other accessories to accommodate add-ons such as speakers and remote ballasts. These service platforms are available in either angle or tubular designs.

All sports and stadium lighting poles may be galvanized or finished with paint or powder coating.

Dependable Construction

Our vast selection of sports and stadium lighting poles is designed and manufactured for durability, wear and corrosion resistance, and visual appeal. We begin with the highest-quality materials for our designs, and fabricate poles and supports that meet your specifications and exceed your expectations for street lighting and a number of other applications, including:

Complete Lighting and Traffic Support Solutions

In addition to an extensive catalog of light and traffic pole designs, Union Metal also provides responsive and innovative custom capabilities. Our full range of stock and custom lighting products has provided unique and reliable lighting support solutions for a vast number of applications.



Our **Nostalgia Series**, which features original pole designs dating back to the early 1900s, offers classically-styled street and residential lighting, traffic poles, and luminaires that bring a distinct old-world charm to modern urban settings.

Street Light Poles



Union Metal offers street light poles in a full line of steel and aluminum designs for a wide range of **roadway lighting** and **highway lighting** applications. In recent years, we have distinguished ourselves as a leading supplier of lighting and signage supports to state and public highway engineers and designers.

At Union Metal, we apply our proven expertise to help public officials reduce installation and maintenance costs while placing dependable and appealing street light pole designs.

Dependable Aluminum and Steel Construction

Our vast selection of street light poles is designed and manufactured for durability, wear and corrosion resistance, and visual appeal. We begin with the highest-quality materials for our steel and aluminum designs, and fabricate poles and supports that meet your specifications and exceed your expectations for street lighting and a number of other applications, including:

Complete Lighting and Traffic Support Solutions

In addition to an extensive catalog of light and traffic pole designs, Union Metal also provides innovative custom capabilities. Our full range of stock and custom products has provided unique and lasting street lighting for large and small cities for over a century.



Our **Nostalgia Series**, which features historically accurate pole designs dating back to the early 1900s, offers classically-styled street and residential lighting, traffic poles, and luminaires that bring a distinct old-world charm to modern urban settings.

The History of Union Metal Streetscape Lighting

In the early 20th century, Union Metal supplied over 4,400 American towns and cities with their first electric light poles and streetscape lighting. Many of the original installations are still in service today, and we are still manufacturing these same original historical families of lamp posts years after Union Metal's first ornamental lamp post installation.

Historical Archive

Our Historical Archive contains records of many of our installations throughout the 1900's. This archive of original drawings and installation photographs showcases Union Metal's rich history and extensive experience in streetscape lighting. Available to city planners, Main Street groups, and historical societies as a reference source in their planning of renovation projects, the Historical Archive is an invaluable tool to the preservation of downtown areas and main streets. Let us preserve your city's heritage by identifying and recreating the lamp posts installed in your city and complement your lighting installation with our matching ornamental traffic poles.

[Contact us](#) to look up your city's streetscape lighting heritage and we will supply you with an original drawing or photo of the poles installed in your town for the period of 1906-1930. Additionally, browse our photo gallery to view photos of Union Metal installations throughout the past century. You can also learn more about our vast array of products, including:

1927



TODAY



1924



TODAY



1920

TODAY



The Nostalgia Series: Antique Traffic Signal Poles



Union Metal's Nostalgia Series offers antique traffic signal poles — creating a distinctive and functional solution for modern lighting.

A century ago, Union Metal was renowned as the manufacturer of America's first traffic signal poles. Today, we're known as the leading supplier of these poles for cities and towns all across the nation.

Our Nostalgia Series of decorative lighting and traffic signal poles includes lamp posts and fixtures originally designed — by Union Metal — at the turn of the last century. For restoration, renewal, and even new development projects, the Nostalgia Series creates an old-world charm and a unique environment for visitors and residents.

Like our [Nostalgia Lighting Pole](#) series, these traffic signal poles retain the beauty and authenticity of these original designs while incorporating Union Metal's proven manufacturing expertise and advanced technology.

Decorative Lighting Meets State-of-the-Art Technology

Though the designs remain original, the technology behind them is cutting-edge. As with all of our modern [street lighting](#), [traffic signal](#), [sports lighting](#), and other light pole solutions, Union Metal enhances every pole we produce to be strong, long-lasting, and corrosion-resistant.

Nostalgia Series antique and decorative traffic poles are available in a wide range of heights, thicknesses, and mast lengths for a variety of applications, including: traffic signal, roadway lighting, street signage, and pedestrian signal. Numerous designs within each of these categories ensure that you find the decorative solution that is just right for your needs.





Traffic Signal Poles



Union Metal's traffic control products help to keep automotive and pedestrian traffic safely flowing with strong and high-profile signal support poles and masts designed to last in even the most demanding environments.

We designed and supplied the first traffic mast arm pole for Atlantic City, NJ in 1923. Today, we are the number one traffic signal pole manufacturer in the country — supplying mast arm and span wire poles to states and cities across the United States. Our traffic signal customers come to us for leading designs of structural tubular products, and we have extensive experience engineering and producing poles with mast arms up to 85' in length.

Union Metal works closely with each customer to ensure that any special needs or consideration are answered. For instance, we have developed special hinged flange plates to allow the mast arms to swing to the side — accommodating the large balloons and floats used in street parades.

[Click here](#) to see a demonstration of our hinged flange plated mast arms.

Our traffic signal poles are available in a wide array of sizes and can be galvanized, painted, or powder coated. Decorative styles to suit almost any streetscape design are available in our decorative [Nostalgia Series](#).

Dependable Construction

Our vast selection of traffic signal poles is designed and manufactured for durability, wear and corrosion resistance, and visual appeal. We begin with the highest-quality materials for our designs, and fabricate poles and supports that meet your specifications and exceed your expectations for street lighting and a number of other applications,



Complete Lighting and Traffic Support Solutions

In addition to an extensive catalog of light and traffic pole designs, Union Metal also provides responsive and innovative custom capabilities. Our full range of stock and custom products has provided unique and reliable support solutions for a vast number of applications.

Our [Nostalgia Series](#), which features original pole designs dating back to the early 1900s, offers classically-styled street and residential lighting, traffic poles, and luminaires that bring a distinct old-world charm to modern urban settings.



Versatile Street Lighting and Traffic Support Poles for Municipalities and Towns



Cities and towns of all sizes rely on Union Metal to supply reliable signal, sign, and street lighting poles and supports. Made with the highest-grade American steel and aluminum, and enhanced for performance, our poles are used for renovation and new construction projects all across the country.

Our advanced and modern pole designs are ideal for city street lighting and roadway and highway lighting applications of all sizes. And the stately beauty and charm of our Nostalgia Series — decorative reproductions of Union Metal's original designs from the last century — is a popular choice for America's Main Street communities.

In addition to these proven street lighting solutions, Union Metal also offers versatile custom design capabilities for city planners whose projects require more unique solutions.

A Century of Innovation

In the early 1900s, Union Metal became a pioneer in the design and manufacture of functional, dependable, and eye-catching street lighting poles and sign supports. Since then, we have constantly innovated the technology that enables more durable construction, more intricate designs, and greater load capacity — to accommodate the ever-increasing needs of the market.

At the same time, we have held true to the level of responsive service that established us as a leader in the field. For quality street lighting and traffic pole solutions, Union Metal is the name to know.



A Full Range of Lighting Solutions

In addition to the Nostalgia Series, Union Metal designs and manufactures a vast selection of lighting and signage poles for a variety of applications. All our products are engineered for durability, wear and corrosion resistance, and visual appeal. We begin with the highest-quality materials for our steel and aluminum designs, and fabricate poles and supports that meet your specifications and exceed your expectations for a number of applications, including:





Walkway Lighting for the Campus Environment



Union Metal walkway lighting can be seen on college and university campuses all across the country. These lights are found on paths and walkways, roads and parking lots, common areas and dorm grounds, and sports arenas and campus buildings.

These lights create an atmosphere of safety and accessibility, while adding to the aesthetic appeal of the grounds. Walkway lighting contributes to the visual impact of its surroundings in both the daytime and nighttime.

For 100 years, Union Metal has helped campuses to achieve this blend of beauty and safety with our line of walkway lighting solutions. In fact, many of the selections we offer today — in our Nostalgia Series — are the exact same designs we provided to campuses and universities around the turn of the last century! These distinct and remarkable products capture the “old world” appeal of vintage lighting, while providing up-to-date modifications.

A Century of Innovation

In the early 1900s, Union Metal became a pioneer in the design and manufacture of functional, dependable, and eye-catching street lighting poles and sign supports. Since then, we have constantly innovated the technology that enables more durable construction, more intricate designs, and greater load capacity — to accommodate the ever-increasing needs of the market.

At the same time, we have held true to the level of responsive service that established us as a leader in the field. For quality street lighting and traffic pole solutions, Union Metal is the name to know.

A Full Range of Lighting Solutions

In addition to the Nostalgia Series, Union Metal designs and manufactures a vast lighting and signage poles for a variety of applications. All our products are engineered and corrosion resistance, and visual appeal. We begin with the highest-quality materials aluminum designs, and fabricate poles and supports that meet your specifications and expectations for a number of applications, including:



selection of
for durability, wear
for our steel and
exceed your



Athens, AL - 265-278-4980

Birmingham, AL - 205-304-0600

Atlanta, GA - 678-359-4680