

YOUR GUIDE TO **Decorative Light Posts**





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The Finest Cast Light Posts

IN THE WORLD

For more than 150 years, Spring City has been making the finest cast iron and aluminum in the world, right here in Spring City, Pennsylvania.

From our humble beginnings as a small foundry in 1843, Spring City has maintained a special relationship with our employees, our community, and our customers. At various times since then, we've manufactured stoves and even motion picture projection stands. Today, however, we're known primarily for manufacturing fine street light standards and junction boxes, and we're proud to be the only fully-operating decorative lighting foundry in the United States.

Spring City employs over 100 people, crafting thousands of lampposts each year for customers in approximately 1,200 cities and universities nationwide. Among those are

some of the largest cities in America including NYC, Philadelphia, Boston and Washington, D.C. And although our history reaches back to a generation before the American Civil War, our manufacturing techniques and services combine the expertise gathered from well over a dozen decades in this business with state-of-the-art technical support for all Spring City installations.

To ensure that we always meet or surpass our customers' expectations, we not only follow IES standards for our luminaires and AASHTO standards for our lampposts, but we also set high internal standards for quality, craftsmanship, and service. The fact that we set and live up to the highest standards in the industry is borne out by our longevity as a company and by our long-standing relationships with customers around the country.

The Casting Process — Art Meets Industry

Although our pourers wear hard hats, face shields, insulated gloves, and steel-toed shoes, they are truly artists. Their raw materials are pig iron and selected scrap materials, and their tools are super-heated furnaces and rotary grinders, but what they create is as beautiful as virtually any painting or sculpture. Each hand-crafted cast iron product we create goes through six distinct steps.

The Pattern

First, we fashion a full-scale replica or "pattern" of the final product, exact in every way, using aluminum, wood, or plastic. We then cut this pattern in half vertically and lay one half flat side down on the "pattern board."

The Flask

Next, we put a "flask"—imagine a solid steel fence—around the pattern and we fill the flask with special green sand, and we compact that sand very tightly around the pattern. Then we flip the flask and remove the pattern board.

Making the Mold

We place the other half of the pattern onto the half of the pattern in the flask, making sure the two halves are perfectly aligned. Then we place a second flask (the "cope") on top of the first flask (the "drag"), fill it with sand, and compact the sand very tightly around the pattern. (See picture above.) When we separate the two flasks and lay them open-faced on the floor, we'll see the two halves of the pattern embedded in tightly packed sand. We remove the pattern halves, revealing an impression in the sand that looks like the finished lamppost.

The Core

Because a solid cast iron lamppost would be too heavy to move, our next step is to insert a "core."

The core is shaped similar to the pattern, except that it is smaller, leaving a void on all sides. Thus, when the molten cast iron is poured into the mold, it will take the shape of the pattern, and the core will ensure uniformly thick walls throughout the lamppost.

The Pour

To prepare the iron to be poured, we use immense amounts of electrical current to heat the metal, first to a red-hot state, then to a white-hot state before it finally becomes molten or liquid metal. We pour this molten iron into the mold and let it cool slowly. Once the metal returns to its original hardened state, we separate the flasks and remove the core. The cast iron lamppost is now ready for the final step—finishing.

Finishing

Finishing puts the final touches on our cast iron art. We thoroughly remove the sand from the lamppost and then use metal grinders to remove any extraneous projections created through the molding process before applying protective coatings. Now the lamppost is ready for wrapping and shipping.

The result of the casting process is a lamppost of surpassing beauty—one that's as elegant as it is functional and will add charm and efficient lighting to its surroundings for decades to come.



Our Promise to Customers

Spring City is a foundry located in eastern Pennsylvania and established in 1843. We are dedicated to producing superior cast iron street lampposts and related luminaires, providing fast turnaround, and offering outstanding customer service. We have in-house casting and fluting capabilities; a wide product selection, including standard and custom designs; and experienced engineering and sales teams—all conveniently under one roof.

Standard & Custom Designs

Pictured here are just a few of the hundreds of standard designs available to you from Spring City. Many of our designs are faithful, precise reproductions of cherished historical pieces. And of course we can work from your own design or our designers can collaborate with you to create a unique custom design that will meet your aesthetic and functional needs.

Pictured

Washington YS11 Globe with
Washington DC #16 Pole

Our Choice Metals

Spring City is the only dedicated domestic cast iron foundry in the industry, and although we are best-known for our cast iron lampposts, we use three different metals—ductile iron, grey iron, and aluminum—to ensure that customers will be able to select a product that exactly matches the demands of their specific application.

Ductile Iron

Spring City has been using ductile iron since its invention in 1942. This exceptional metal, also known as ductile cast iron or nodular cast iron, as its name suggests, is much more ductile than ordinary cast iron thanks to its complex metallurgy.

Ductile iron boasts properties not found in any of its rivals, giving it exceptional versatility. For castability, machinability, damping properties, and economy of production, ductile iron is very similar to grey iron. However, for mechanical properties—strength, wear-resistance, fatigue strength, and ductility—it is nearly peerless. For example, ductile iron's bending strength is 3 to 4 times that of cast aluminum and grey iron.

This rare combination of versatility and mechanical properties makes ductile iron an enduring favorite among our customers. Ductile iron is the best option in salt environments. **Spring City offers a 25-year warranty when choosing a ductile iron light standard.**

Grey Iron

Spring City has worked with grey or “gray” iron—the original cast iron and the long-time standard—for more than 150 years, but the metal itself has been cast in various forms for thousands of years.

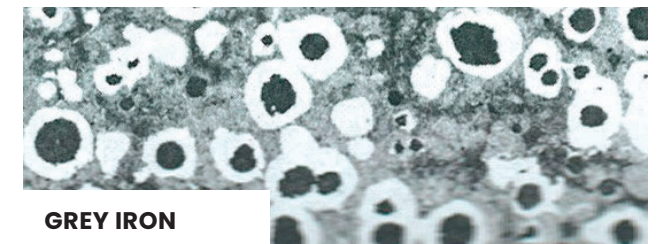
The metal has maintained its popularity among manufacturers over the centuries because of its exceptional durability, compressive strength, longevity, and dampening capabilities, which make it ideal for such applications as engine blocks, pump housings, valve bodies, and electrical boxes. Grey iron is also excellent for lampposts because its high fluidity—among the iron-based metals, it has the lowest pouring temperature—allows us to cast it into intricate shapes. Grey iron's excellent machining characteristics yield a surface with excellent wear and resistance to scoring and galling.

Cast Aluminum

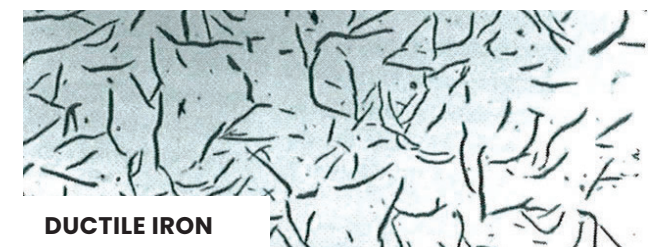
Spring City offers customers the alternative of cast aluminum because it's the most flexible and forgiving of the materials commonly used to manufacture lampposts.

Compared to other common lamppost materials, cast aluminum is soft, making it easy to machine. For example, it can be cast in small sections, and those sections can be welded together to create pedestrian-scale lampposts. It's also easy to finish. And because the metal is lightweight, cast aluminum lampposts usually don't require heavy machinery to install.

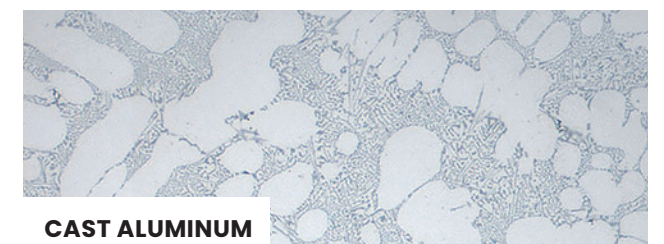
These factors make cast aluminum lampposts a cost-effective alternative for some projects. But compared to other metals it is less durable and has the shortest life cycle.



GREY IRON



DUCTILE IRON



CAST ALUMINUM

Product

SELECTION

Because Spring City customers find a wide variety of uses for our posts, we've developed several construction options. One of these posts is bound to meet your needs.

One-Piece Cast Lamppost

The traditional one-piece cast lamppost offers:

- Single construction, cast in one piece
- Rigid construction
- A more decorative appearance, one that enables us to add decorative elements throughout the length of the post
- An integral base plate

Because cast iron is relatively dense and therefore heavy, we limit the height of our one-piece cast lampposts to 18 feet.

Bi-Metal Lamppost

We designed our bi-metal lamppost to capture the signature features of our cast iron posts without the weight and difficult handling characteristics of one-piece cast lampposts.

Our bi-metal posts have smooth or fluted steel shafts that resemble a casting, and steel shafts are stronger than the widely used aluminum shaft. We couple our bi-metal posts with either one-piece slip bases or two-piece wrap-around bases. These decorative bases resemble the bases on our popular Washington, Madison, and Northampton styles. To complement our steel lampposts, we also offer traffic signal posts with cast iron bases that match the lampposts.

With our bi-metal lampposts, our customers can:

- Choose the base material (*ductile iron, grey iron, or aluminum*) as well as the shaft material (*galvanized steel or raw steel*)
- Select from decorative span poles and traffic assemblies
- Execute designs that are up to 30-feet tall
- Add banners and sidewalk-facing pedestrian lights to roadway set-ups
- Specify grade – 11, 7, and 3 grade available
- Choose from several geometric or fluted shaft options



Aluminum Lamppost

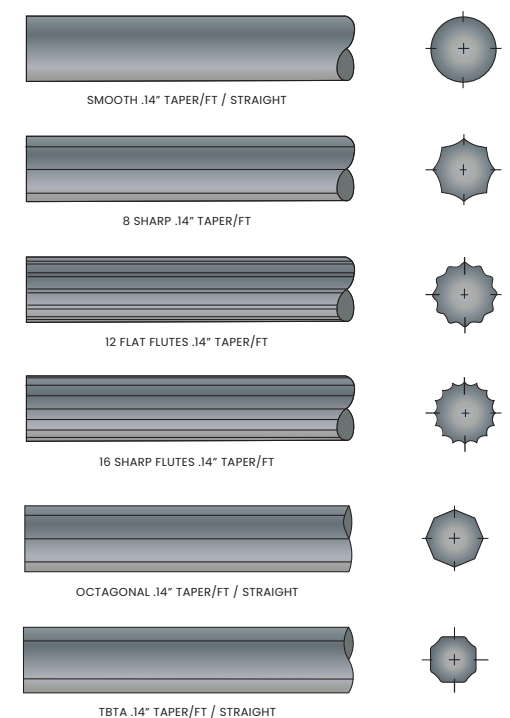
An attractive alternative to our one-piece cast and our bi-metal lampposts is the aluminum lamppost

The Spring City aluminum lamppost offers cast aluminum base with fluted aluminum extrusion and/or smooth aluminum pipe, as well as these key features:

- Lighter weight
- Thinner wall thickness
- Smaller scale
- Different shaft options
- Choice between Schedule 40 and 80 grades

Bi-Metal & Aluminum Shaft Options

For metal differences please refer to Spring City's Choice Metals



Pictured

Washington Luminaire with Arlington Struts with Washington Aluminum Base

Pictured
Dana Point Luminaire
with Edgewater Pole



Design Families

Spring City offers site designers the opportunity to create a unified theme by using our beautifully matched posts, traffic control pieces, bollards, and luminaires, as well as many accessories. Achieving unity of expression helps to create the sense of place that designers strive for, and Spring City has developed a complete line of complementary design families. These give designers a full range of options, with perfect matches assured among all the elements.

Custom To Your City's Personality

Spring City can supply our products in virtually any color and we can color-match them to specific existing colors. Simply provide us with a chip or swatch of the color you desire. We can also match your RAL and Federal Standard colors as desired. Spring City utilizes powder coating for its longevity, durability, and eco-friendly qualities.



Pictured

Washington YS11 Globe
with Washington DC #16 Pole

Washington

SERIES

In 1910, the Commission of Fine Arts in Washington, D.C. designed the simple classically-fluted lighting standard now known as the Washington Post. More than a decade later, in 1923, the Commission officially adopted the different heights of Washington Posts for the Capitol. That same year, Henry Bacon, a member of the Commission of Fine Arts and best known as the architect of the Lincoln Memorial, designed the twin lamp post standard with the ornate arms.

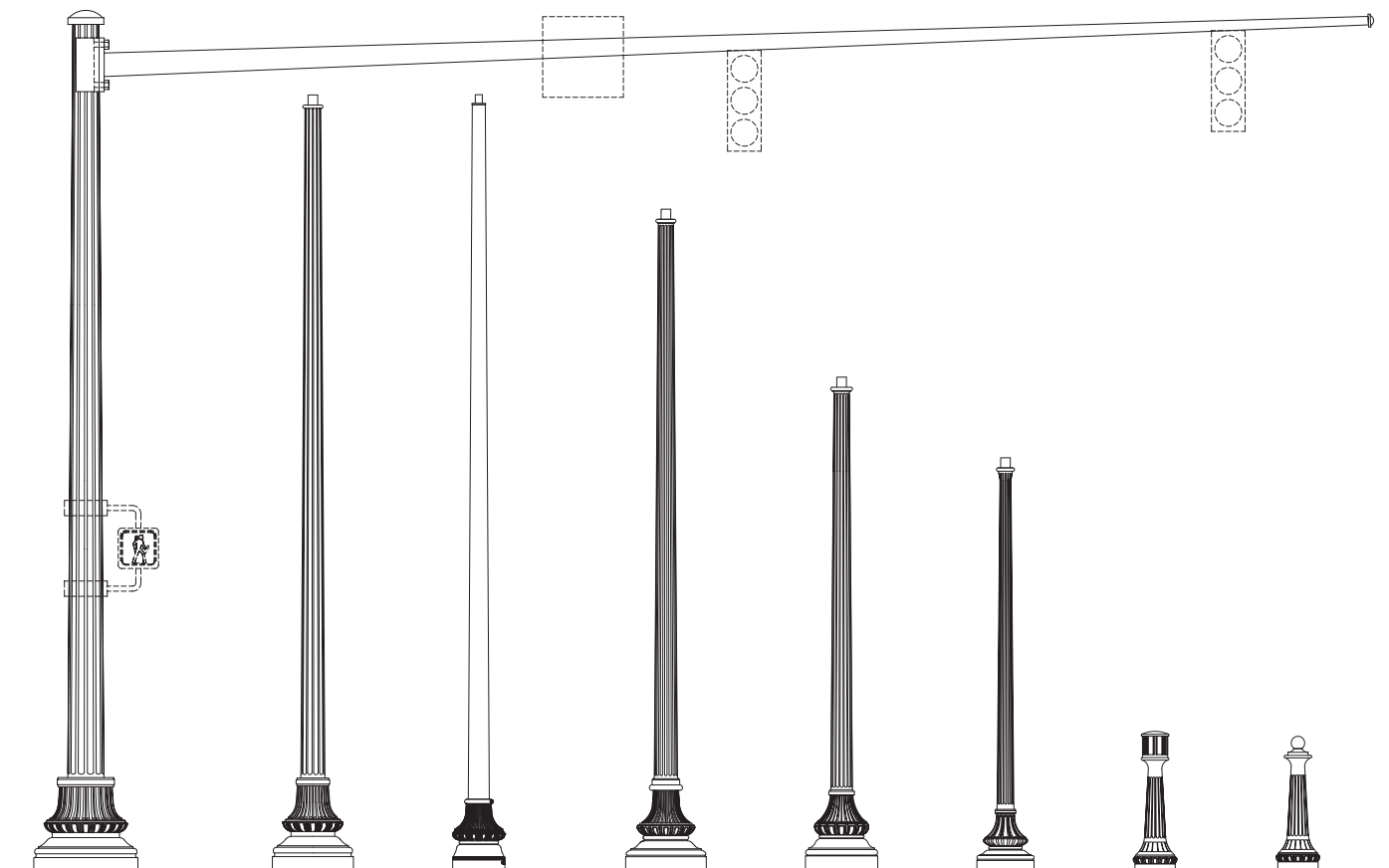
Material Options: Ductile Iron, Grey Iron, or Aluminum

Series Products: Bollards; Cross Arms; Luminaires – LED; Wall Brackets

Popular Configurations: Cross Arms – Washington Simple, Washington Ornate, Northampton; Luminaires – Washington, Columbia



*Top - Washington
Bottom - Grand Washinton*



Washington

SERIES

One-Piece Cast

BASE DIAMETER	HEIGHT
17"	10' 11' 12' 13'
20"	8'
21"	12'
24"	13' 2" 14' 5" 16' 2"
25"	17' 1"

Bi-Metal

BASE DIAMETER	MAX HEIGHT
17"	14'
18"	29'
21"	29'
24"	29'
25"	39'

Traffic

BASE DIAMETER	MAX SHAFT DIAMETER
24"	9'
30 ½"	13' ½"
31"	14"
36"	18'

Aluminum Extrusion

BASE DIAMETER	MAX HEIGHT
17"	25'

Pictured
Spring City Park Luminaire
Washington Pole



Pictured
Fort Point Luminaire, New
Frontier Twin Cross Arm, with
Washington Pole (Modified)



Arcadian

SERIES

Another example of art deco design popular in the 1920s and 1930s, the Arcadian post, with its elegant symmetry, graces many college and university campuses throughout the United States.

Material Options: Ductile Iron, Grey Iron, or Aluminum
Popular Configurations: Luminaires – Edgewater

One-Piece Cast

BASE DIAMETER	HEIGHT
11"	7'
16"	7' 10'
20"	10' 11' 12' 12 6" 14'



Pictured
William & Mary Luminaire
with Arcadian Pole

Pictured
Quality Hill Luminaire
with Borough Pole



Borough

SERIES

In the late 19th century, the streets of America’s major cities were still illuminated by gas lamps, which is why the Borough was originally designed in the 1880s as a gas light post .Today, these popular posts are seen by millions of people from all over the world when they walk along the main streets of Disney World in Orlando.

Material Options: Ductile Iron, Grey Iron, or Aluminum
Popular Configurations: Luminaires – Quality Hill, Borough, Grosse Pointe, & Dundee

One-Piece Cast

BASE DIAMETER	HEIGHT
11"	8' 6" 10'
14"	10'

Pictured

Central Park Luminaire
with Madison Pole

Pictured Next Page

Riverside Luminaire
with Madison Pole

Madison

SERIES

In 1907, around the time he began sketching ideas for the Lincoln Memorial, architect Henry Bacon designed the Madison for New York City’s Central Park. To this day, Spring City’s Madison lamppost remains the standard throughout the park.

Material Options: Ductile Iron, Grey Iron, or Aluminum

Series Products: Bollards; Cross Arms; Wall Brackets

Popular Configurations:

Cross Arms – Elizabeth, Northampton

Luminaires – Franklin Square, Borough, & Columbia



One-Piece Cast

BASE DIAMETER	BASE DIAMETER
13"	6'2" 6'4"
18 ½"	7'3" 7'5" 9'3" 9'5" 10'3" 10'5" 12'6"

Traffic

BASE DIAMETER	MAX SHAFT DIAMETER
27"	11 ½"
28"	9 ¾" 12"
36"	13 ½" 16 ½"

Bi-Metal

BASE DIAMETER	MAX HEIGHT
18¾"	14'
20"	32'

Aluminum Extrusion

BASE DIAMETER	MAX HEIGHT
18"	25"





*Pictured on
Both Pages*
Clearwater Luminaire
with Newburyport Pole

Newburyport

SERIES

The Newburyport was first installed as a gas light pole in the 1850s, Since then, the design has become popular throughout New England. The Newburyport lamppost is distinguished by its octagonal middle and upper base sections and its round column and pedestal sections.

Material Options: Ductile Iron, Grey Iron, or Aluminum
Series Products: Bollards
Popular Configurations: Luminaires – Gettysburg & Reading

One-Piece Cast

BASE DIAMETER	HEIGHT
13"	9' 3"
16"	12' 13'

Bi-Metal

BASE DIAMETER	MAX HEIGHT
13"	18'
17"	18'





Pictured
Edgewater Luminaire
with Edgewater Pole

Edgewater

SERIES

Edgewater traces its history to the roaring Twenties, the post-war decade remembered for its rapid economic growth, the rise of jazz, and Prohibition. With its geometric characteristics, this art deco design is found on college campuses around the country.

Material Options: Ductile Iron, Grey Iron, or Aluminum

Series Products: Bollards; Luminaires - LED

Popular Configurations:

Cross Arms - Redondo Beach

Luminaires - Edgewater & William and Mary



One-Piece Cast

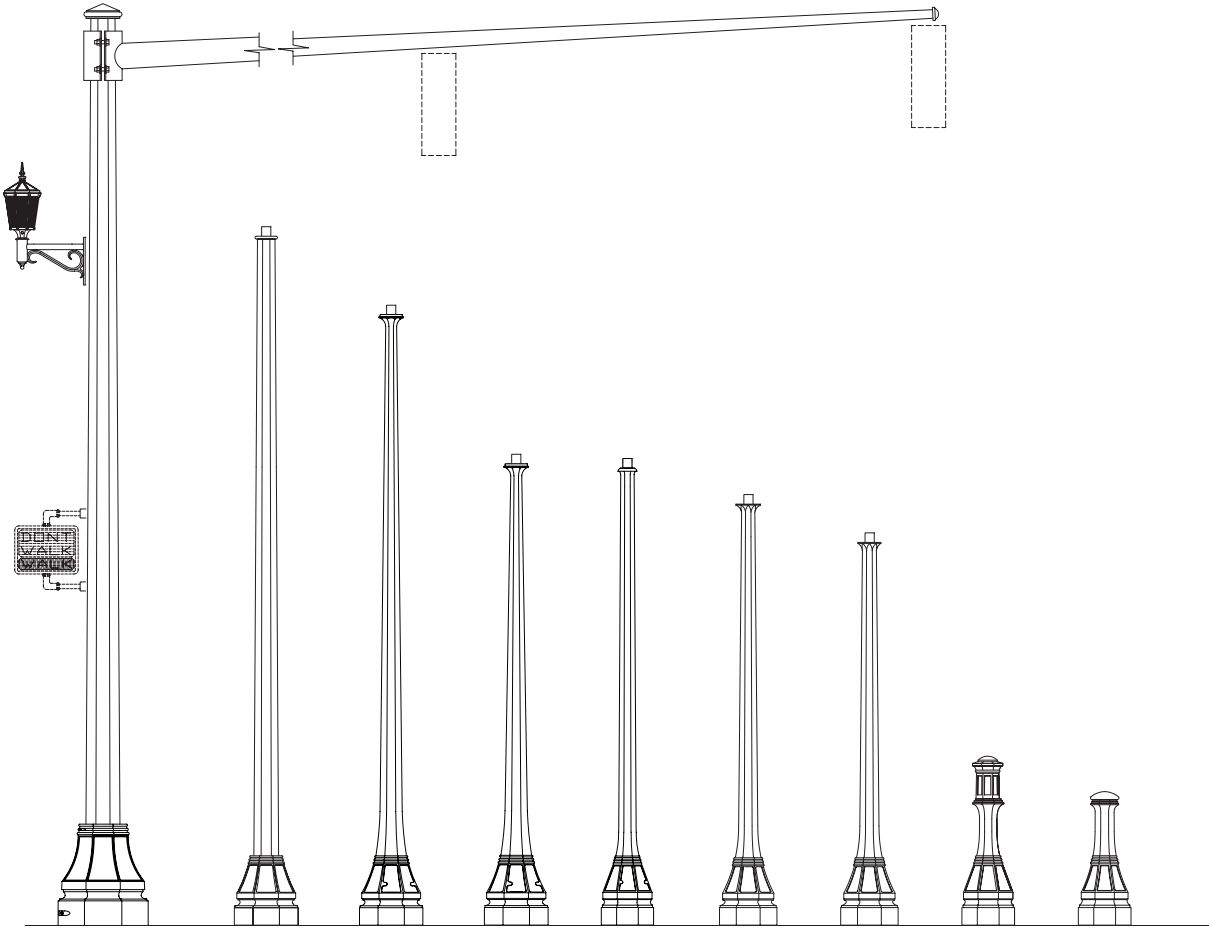
BASE DIAMETER	HEIGHT
16 ½"	12'
18"	10' 11'
20"	12' 16'

Bi-Metal

BASE DIAMETER	MAX HEIGHT
20"	36'

Traffic

BASE DIAMETER	MAX SHAFT DIAMETER
24"	10"
32"	14"



Center City District

SERIES

The Center City District lamp post was designed in the early 90s by a city group of officials including the lighting designer Grenald Waldron Associates. In the Early 2000s the city realized a need for a single piece lamp post instead of their current version which relied on many different parts and accessories.

Material Options: Ductile Iron, Grey Iron, or Aluminum

Popular Configurations: Luminaires – Edgewater

Aluminum Extrusion

BASE DIAMETER	HEIGHT
18"	18"

Bi-Metal

BASE DIAMETER	MAX HEIGHT
18"	25'
25"	25'



Pictured

Center City District Luminaire
with Center City District Pole

Pictured

Harrisburg Baltimore Luminaire
with Harrisburg Baltimore Pole



Harrisburg Baltimore

SERIES

At the turn of the last century, New York City architect Arnold Burner was commissioned to design a lamppost. His creation, the Harrisburg Baltimore, first appeared in 1901.

Material Options: Ductile Iron, Grey Iron, or Aluminum

Series Products: Bollards; Luminaires – LED, Wall Bracket

Popular Configurations: Luminaires – Harrisburg

One-Piece Cast

BASE DIAMETER	HEIGHT
20"	6' 5" 10' 11½"

Traffic

BASE DIAMETER	MAX SHAFT DIAMETER
28"	10"

Bi-Metal

BASE DIAMETER	MAX HEIGHT
18"	23'

Pictured

Columbia GS10 Luminaire, Dallas Single Cross Arm, with Hancock Pole

Pictured Next Page

Yorktown Luminaire with Hancock Pole



Hancock

SERIES

The earliest record of the Hancock is an 1859 photograph of a gas lighting post in Philadelphia. It was a few hundred miles up the Atlantic Seaboard, though, where the post became most popular. The Hancock lamppost was first installed in Boston in 1860.

Material Options: Ductile Iron, Grey Iron, or Aluminum

Series Products: Bollards

Popular Configurations: Luminaires – Clearwater & Jefferson



One-Piece Cast

BASE DIAMETER	HEIGHT
15"	9' 9' 5 3/8" 10' 11' 12'
16"	13'
	9' 2" 10' 2" 11' 2" 12' 13"

Traffic

BASE DIAMETER	MAX SHAFT DIAMETER
24"	12"
36"	18"

Bi-Metal

BASE DIAMETER	MAX HEIGHT
16"	15'
20"	29'

Aluminum Extrusion

BASE DIAMETER	MAX HEIGHT
16"	20'

Franklin

SERIES

The Franklin, which was the first American-designed lamppost, made its debut in Philadelphia in 1751. Original plans called for the Franklin to be made not from cast iron, but from red cedar.

Material Options:
Ductile Iron, Grey Iron, or Aluminum

Series Products:
Luminaires

Popular Configurations:
Luminaires – Franklin Gooseneck, & Independence

One-Piece Cast

BASE DIAMETER	HEIGHT
7¼"	8' 9 2/3"
11"	10' 2"
11¾"	12' 6"

Pictured
Franklin Gooseneck Luminaire
with Franklin Pole



Pictured
Bishops Crook Luminaire, Bishops
Crook Single Cross Arm, with
Bishops Crook Pole

Bishops Crook /Ivy

SERIES

The Bishops Crook, as immediately recognizable as the Manhattan skyline, was designed for New York City in the 1890s under the supervision of Richard Rodger Bowler, vice president of the Edison Electric Illuminating Company. More than a century after its first appearance in 1896, this iconic lamppost still attracts the attention of tourists and photographers from around the world.

Material Options: *Ductile Iron, Grey Iron, or Aluminum*

Series Products: Bollards; Luminaires – LED

Popular Configurations:
Cross Arms – Redondo Beach
Luminaires – Edgewater & William and Mary

One-Piece Cast

BASE DIAMETER	HEIGHT
21"	11' 8" 13' 11"
Ivy 21"	10' 2 1/2" 12' 6"

Traffic

BASE DIAMETER	MAX SHAFT DIAMETER
29"	10"

Bi-Metal

BASE DIAMETER	MAX HEIGHT
21"	23'
29"	46'



Regency

SERIES

The decorative elements of the Regency lamppost bear some similarities to those of the Bishops Crook. But the hand-crafted manufacturing process for the one-piece heavy wall post is unique. Each piece is made to order and begins with a finely crafted pattern to capture the clean definition of the flutes and other ornate features of each design.

- Material Options:** Ductile Iron, Grey Iron, or Aluminum
- Series Products:** Cross Arms; Luminaires; Wall Brackets
- Popular Configurations:** Luminaire – Regency

One-Piece Cast

BASE DIAMETER	HEIGHT
18"	10' 11" 12' 11"

Pictured Left

San Antonio Small Luminaire
with Regency Pole

Pictured On This Page

San Antonio Small Luminaire
with Regency Pole

Pictured

Washington YS11 Globe,
Washington Ornate Twin
Cross Arm, with
Northampton Pole



Northampton

SERIES

The Northampton’s fluted base is immediately recognizable, as is the decorative floral ring that introduces the lamppost’s shaft.

Material Options: Ductile Iron, Grey Iron, or Aluminum

Series Products: Bollards; Luminaires – LED

Popular Configurations:

Cross Arms – Redondo Beach

Luminaires – Edgewater & William and Mary

One-Piece Cast

BASE DIAMETER	HEIGHT
17"	10' 6" 11' 6" 12' 6" 13' 6"
20"	10' 6" 13' 14"

Aluminum Extrusion

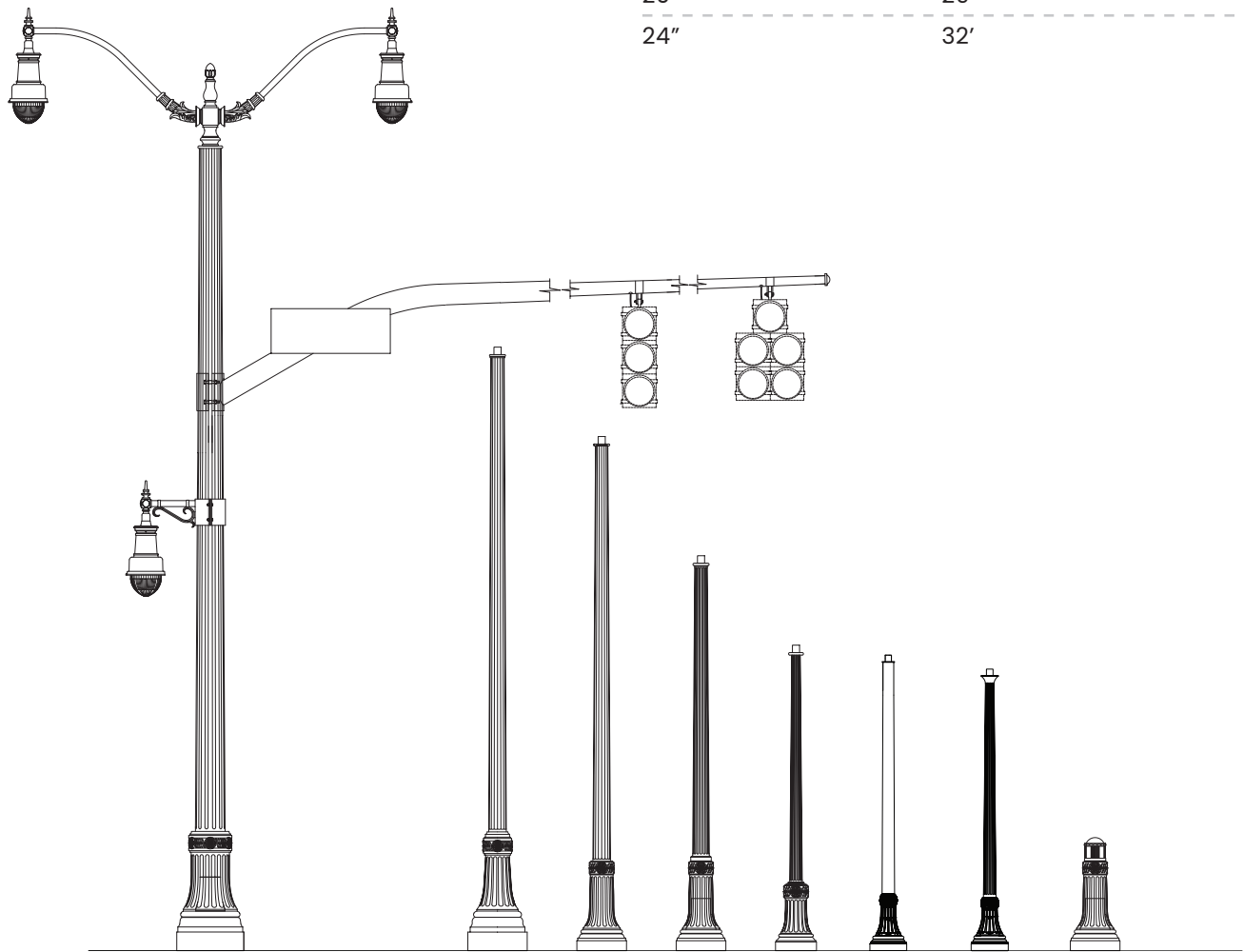
BASE DIAMETER	MAX HEIGHT
17"	16'

Traffic

BASE DIAMETER	MAX SHAFT DIAMETER
27"	13½"
36"	18"

Bi-Metal

BASE DIAMETER	MAX HEIGHT
12"	14'
16½"	29'
20"	29'
24"	32'



Princeton

SERIES

Prior to 1850, the Princeton was called the Philadelphia Style Gas Lamp. The design’s popularity quickly spread across the country, and to meet the growing demand, the Princeton became the first lamppost to enter large-scale production.

Material Options: Ductile Iron, Grey Iron, or Aluminum
Series Products: Bollards
Popular Configurations: Luminaires – Savannah

One-Piece Cast

BASE DIAMETER	HEIGHT
12"	9' 10' 11'
15"	12' 13'
16"	9' 2" 10' 2"



Pictured On This Page
Reading Luminaire
with Princeton Pole

Pictured Right
Lechmere Luminaire, NYC Standard
Single Cross Arm, with Parkwood Pole

Parkwood

SERIES

The distinctive flowered base sections of the Parkwood Series are testimony to Spring City’s attention to detail during the casting process. Craftsmanship of this caliber is possible only by using the highest quality tooling and multiple pattern “loose pieces” when pouring cast iron or aluminum.

Material Options: Ductile Iron, Grey Iron, or Aluminum
Series Products: Bollards; Luminaires
Popular Configurations:
Cross Arm – Washington Simple;
Luminaires – Washington, Parkwood



One-Piece Cast

BASE DIAMETER	HEIGHT
19"	9' 8" 12' 13'

Bi-Metal

BASE DIAMETER	MAX HEIGHT
20"	25'

Traffic

BASE DIAMETER	MAX SHAFT DIAMETER
24"	12"



Custom Capabilities

Whether it's an historically accurate reproduction or a custom designed fixture, the Spring City's team can guide you through the process. Our vast custom portfolio spans historically significant reproductions that touched American history to one of a kind fixtures that add a touch of spice to the landscape. Our expert engineers can take a simple sketch, picture, or sample and turn it into a modern fixture inclusive of Spring City's industry leading LED technology.

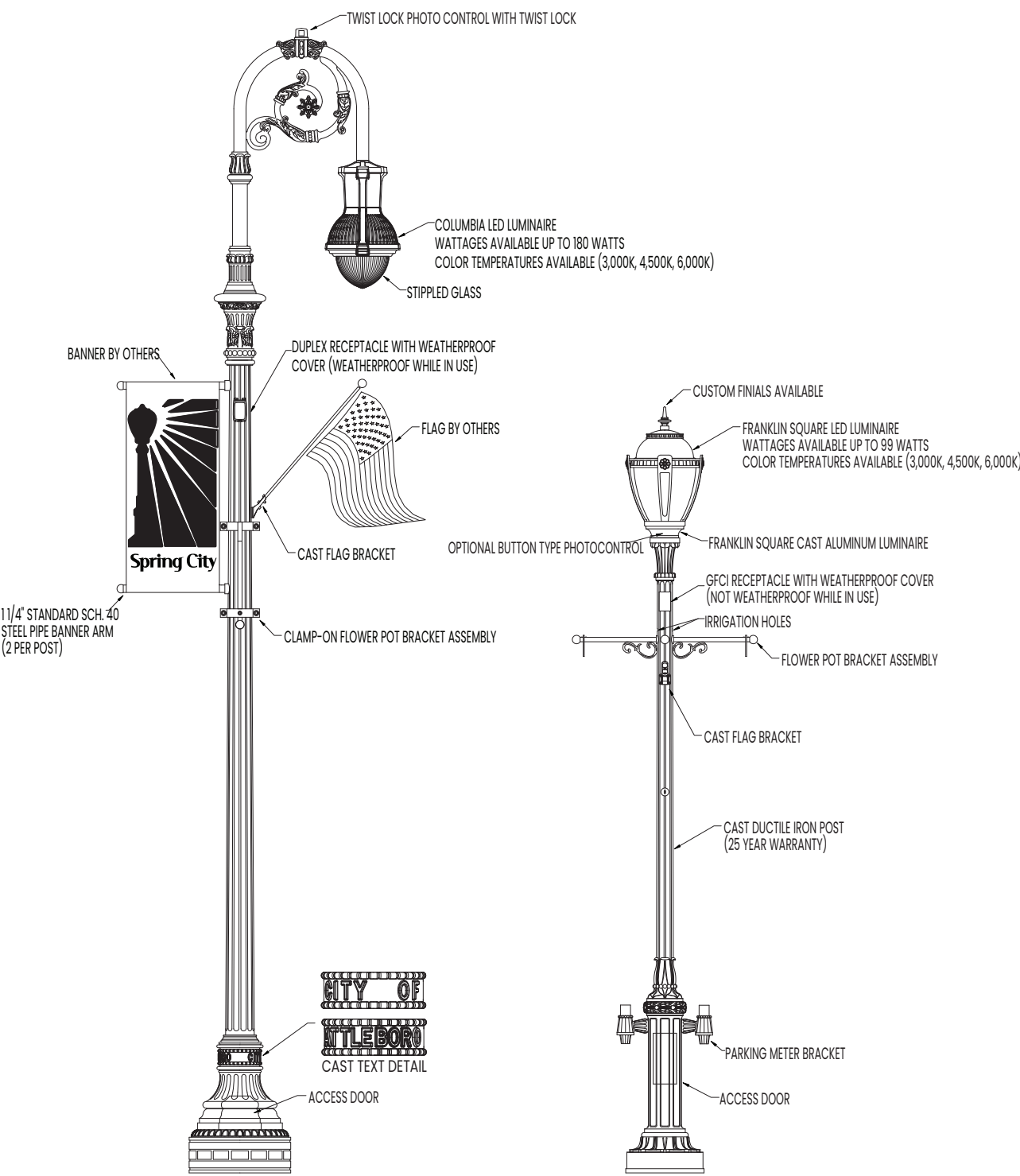
At Spring City, we specialize in translating your custom design into a post that will not only capture your aesthetic vision, but also meet your needs for functionality. From design to manufacturing, we will provide superior customer service every step of the way, with a result that is as unique as it is beautiful and timeless.

For more information please contact us!



Accessories

TO COMPLETE YOUR LIGHTING PROJECT



Want To See More?

VISIT US ONLINE AT SPRINGCITY.COM

We offer more styles not pictured in this guide. See the list of styles below.

Anaheim	Kennedy Bridge	New Bedford Library	Station Light
Biscayne Boulevard	Lechmere	New Frontier	Sylvania
Cambridge	Louisiana Old State Capitol	Niagara Falls	Timber
Campus Plaza	Lower Merion	Old DC Mall	The Weeks Footbridge
Capistrano	Manchester	Pasadena	Warrenton
Center City	Mariner	Pedro Park	Wellesley
Corpus Christie	Marywood	Quality Hill	Westwood
Edmonton	Mini Mariner	Radnor	Willard
Euclid	Morgantown	San Juan	Winchester
Flatbrush	Mount View	Santa Anna	Worthington
Galtier	Memphis	Sheepshead Bay	
Harvard	Miami	Southampton	
Independence	Morris Arboretum	Southampton Radial Wave	





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