

**Arbor**  
LED architectural luminaires

**Invue**

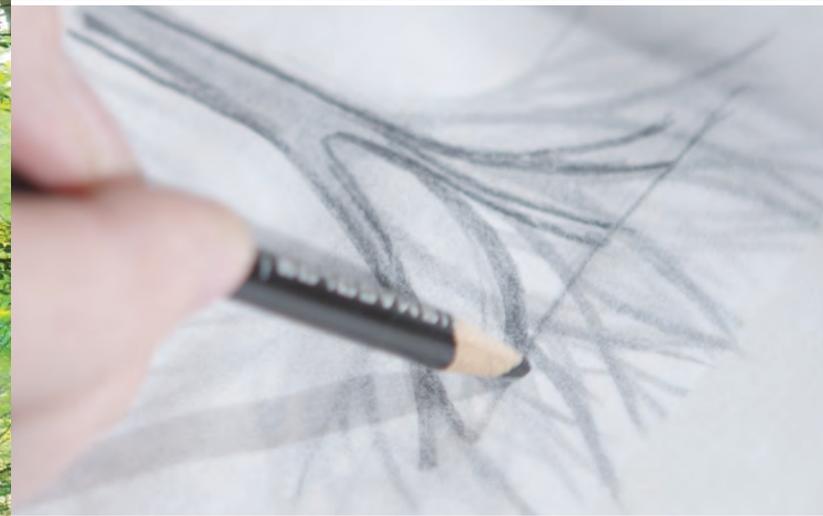


**EATON**

*Powering Business Worldwide*

*Every natural action is graceful.*

Ralph Waldo Emerson, Nature



## The nature of light

Light plays an integral role in defining the spaces in which we live.

As part of the pedestrian experience we want to be reminded of spaces we value. The most valued “people spaces” in the urban environment are those that tie to nature.

Eaton’s Invue Arbor family of LED luminaires uses seamless organic design elements with an unregimented symmetry as seen and reflected in nature.

WaveStream™ LED optical technology allows the Arbor to deliver precise and elegant illumination that enhances the world around us.



# From site to building

Complementary design across products connects multiple spaces.

As a design element, the Arbor reflects the role of nature and the desire to stay connected with a more organic urban environment. It relates to the pedestrian experience across an entire campus setting with a visually uniform family of products designed to enhance architectural applications.

When appropriately scaled for the space, an intimacy is created between the Arbor and its surrounding environment. Companion bollard and wall mounted products, as well as architectural pole mounting options can be selected to create appropriate scale with complementary appearances. The Arbor family provides a seamless transition from site to building.



Single post top

Bollard

Wall sconce



Large wall mount



Single arm mount



Twin arm mount



## Enhancing the pedestrian experience

At its core, pedestrian lighting is part of a comprehensive design for people spaces. It's imperative to incorporate lighting that:

- provides **comfort** through security
- offers **access** by providing visibility and wayfinding
- enable and attract nighttime **activities**
- showcase **pride** in a space for others to value

The Arbor family of luminaires helps encourage ground level wayfinding, improving the ability to quickly navigate a space. WaveStream LED optical technology improves nighttime visibility allowing rapid identification of risk, promoting a comfortable and secure setting. Overall, the Arbor enhances the pedestrian experience to attract commercial and social activity to the "people spaces" in which we live and work. Successful "people spaces" bring the community together at night to create an environment we want to experience to the fullest.

Elegant by day.  
Brilliant at night.

### Dayform

During the day, the Arbor becomes an important element of the landscape providing meaningful architectural dayform. Its appearance presents a subtle irregularity from differing viewpoints. This creates the stunning effect of an unregimented symmetry that occurs in nature.

### Nightform

The industry focus of outdoor luminaire design has been on increased illuminance and improved efficiency without emphasis on nighttime appearance. The biggest concern with pedestrian scale LED luminaires is that they present distracting pixilated images, poor visibility and the unpleasant sensation of brightness. WaveStream LED optical technology manages this brightness, presenting an extraordinary visual appearance. At night, Arbor now becomes a visual design element that invites admiration and guides the way.



*“Lighting brings architecture out into the landscape and provides immediate identity within a flourishing natural environment”*

Edwin Mickelson, FASLA



*“It all goes back to thinking about the people in the space...Are we providing light for wayfinding, comfort, visual interest or the unexpected; or perhaps all of these”*

Ardra Zinkon, IALD, MIES

# Taking control of light - WaveStream LED

## The science behind the beauty.

Eaton's Invue Arbor LED luminaires are designed around the groundbreaking and patented WaveStream LED optical platform. Using laser precise AccuAim™ technology, it has established a new paradigm in outdoor architectural luminaire design and performance. The Arbor provides quality site and area distributions normally not available in a reduced glare solution. Superior visual uniformity and pole spacing, with efficacies in excess of 90 lm/W can be achieved.

WaveStream LED eliminates the pixilated image associated with typical LED optics that can cause visual discomfort. This is a major consideration, especially at the pedestrian scale. Arbor provides beautiful task illumination. The fixture itself is visually stunning while illuminated and becomes a nighttime design element like never before.

The balance between organic design and WaveStream LED technology allows the Arbor to deliver an unprecedented experience both day and night in pedestrian spaces.





## Synchronizing light and movement

Arbor LED luminaires are fully controllable to maximize energy and savings.

Many pedestrian and exterior spaces are vacant during off-peak times, remaining fully illuminated, wasting energy and shortening the life of the system. Eaton offers a wide range of control options to meet any code related or specific energy and environmental goal. Maximized operating efficiency, reduced maintenance and overall savings can be achieved.

**Enabled solutions:** integral 0-10V dimming drivers that can be controlled by external systems or through photocontrol receptacles.

**Integrated controls:** factory installed standalone occupancy sensors, DALI drivers, twistlock or button type photocontrols.

**Connected solutions:** LumaWatt utilizes wireless communication to control and monitor lighting through an intuitive graphical interface, via the internet in real time.



LumaWatt (post top)



Occupancy sensor (post top)



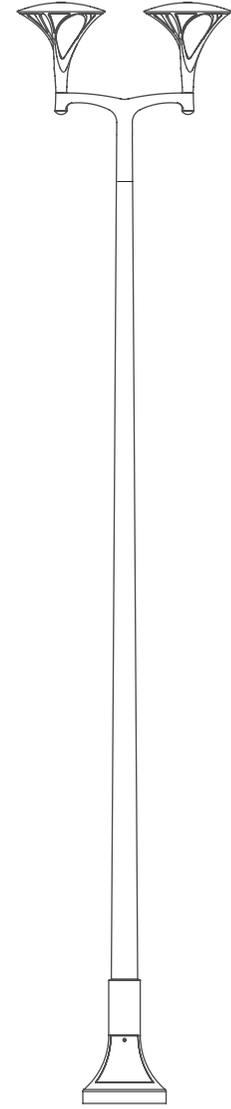
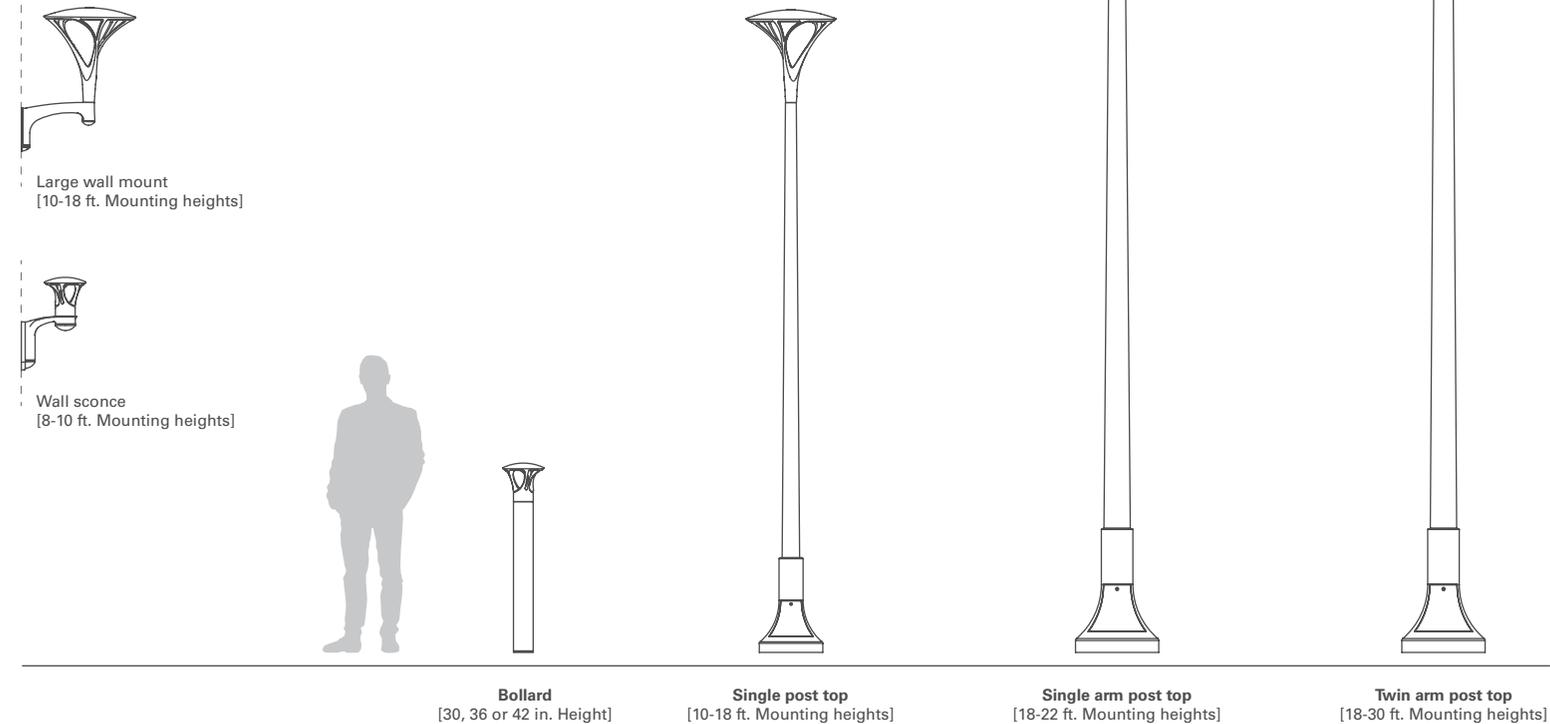
Occupancy sensor (bollard and sconce)

# A scalable and flexible design solution

With a variety of mounting configurations, optic distributions and lumen packages, the Arbor can scale from parking areas, to pedestrian pathways, to the exterior walls, even interior spaces.

The flexibility of the single post top and the single or twin mount arm allows the Arbor to scale to landscapes or urban environments accordingly. The Arbor bollard, along with the small and large wall mount options permits the continuation of the design theme from landscape to building.

Decorative tapered aluminum poles are also available to complement the Arbor. Visit our website, [www.eaton.com/lighting](http://www.eaton.com/lighting), to learn more about the poles and ordering information.



# Technical specifications

## Post top

### Performance

**Distributions:** Type II, III, IV (asymmetric) and V (symmetric)

**Lumens:** 2,045 - 9,464

**Wattage:** 24 - 99W

**Efficacy:** Up to 105 lm/W

**CCT/CRI:** 4000K/70 CRI, 3000K/70 CRI, 3000K/80 CRI

**Controls:** 0-10V, occupancy sensor, LumaWatt wireless control

## Bollard and wall sconce

### Performance

**Distributions:** Asymmetric and symmetric

**Lumens:** 717 - 1,246

**Wattage:** 11 - 32W

**Efficacy:** Up to 90 lm/W

**CRI/CCT:** 4000K/70 CRI, 3000K/80 CRI

**Controls:** 0-10V, occupancy sensor

### Energy data (Electronic LED driver)

**Power factor:** >0.9

**Total harmonic distortion:** <20%

**Minimum temperature:** -30°C

**Ambient temperature rating:** 40°C

**Operation:** 120-277V 50/60Hz, 347V 60Hz, 480V 60Hz

### Additional information

**Warranty:** 5 year

**DesignLights Consortium™ Qualified:** Yes <sup>1,2</sup>

**Vibration tested:** 3G <sup>2</sup>

**UL/cUL listed:** Wet location

**IP66 rated:** Yes (housing)

**ANSI:** C136.31 <sup>2</sup>

**ISO 9001:** Certified

**RoHS:** Compliant

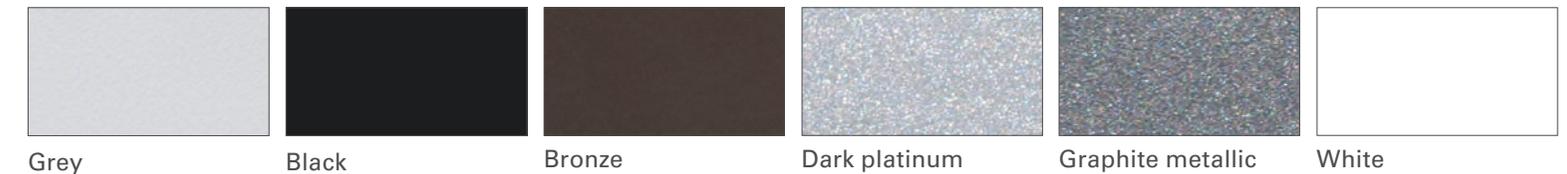
**Approximate net weight:**

Post top - 37 lbs. (16.8 kgs.)

Bollard - 19.25 lbs. (8.73 kgs.)

Wall sconce - 11.7 lbs. (5.31 kgs.)

## Finish selection <sup>3</sup>



**NOTE:** <sup>1</sup> DesignLights Consortium™ Qualified. Refer to [www.designlights.org](http://www.designlights.org) Qualified Products List under Family Models for details. <sup>2</sup> Post top only. <sup>3</sup> Eaton utilizes premium ultra-weatherable TGIC based polyester powder coatings that are specifically formulated to withstand extended outdoor exposure. Consult your lighting representative at Eaton for more information on RAL and custom color matching. Colors and textures have been matched as close as possible. Paper and ink limitations, as well as the influence of heat and light, account for differences from actual coatings. Product specifications subject to change without notice. Consult your lighting representative at Eaton for more information, or visit [www.eaton.com/lighting](http://www.eaton.com/lighting) to find the most up to date information.

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