VAZ

Application Guide

selux

Elevated design arrives through extensive experience in craft

Craig Copeland, an award-winning architect and sculptor, has helped transform cities globally through his leadership in large-scale place-making projects, such as the Entry Pavilion and Reconfigurations at Brookfield Place in New York City. Holding degrees from the University of Florida and Yale University, Copeland's expertise spans architecture, sculpture, and product design.

Craig's earliest ideas for the Selux VAZ dates back to his time living in Rome, on an Italian Fulbright, when he researched historic terracotta urns for connections between figurative form and architecture. His methodology then has served as a foundation for the inventive VAZ design.

Over the years, Craig has pioneered design research through innovative model and material studies for diverse architectural projects, including aquariums, mixed-use towers, and houses, that all maintain connections with figurative forms and nature.

In the early 2000's, the historic Henraux Company – where the late 20th Century master sculptors Henry Moore and Isamu Noguchi worked – invited Craig to learn classic approaches to hand carving stone. While there, over a four-month stay, Craig created his first marble carving: Anello Ritorto (Twisting Ring). The experience immediately deepened his appreciation for the material possibilities with natural stone and propelled his sculpting and design sensibilities to a greater level of craft.

Broad Material
Options

Years later, Craig founded Situcraft, a design company focused on stone products. By leveraging emerging stone fabricating capabilities, Craig created more opportunities for natural stone options in certain products. Soon, Craig incorporated terracotta as another viable natural and sustainable material into his designs. The VAZ bollard became one such product prompting the use of stone and terracotta/porcelain to broaden the possibilities of material effects.

Along with the Selux standard array of powder-coated colors and finishes with aluminum, Craig proposed that VAZ be available in a rich spectrum of natural materials: stone and glazed porcelains.

The stone options provide suitable connections to nature's great resilience and lasting beauty. In stone, Craig proposes VAZ bollards are contemporary takes on ancient Roman milestones that mark historic roadways in Europe and Asia, even today after thousands of years. The porcelain options also provide time-tested durability along with more vivid color possibilities. The glazed surfaces deepen refracting light and add extra sparkle. As Craig believes, this is akin to the celebrated and enduring roof tiles adorning centuries-old temples in Kyoto.

Playfully
Formed

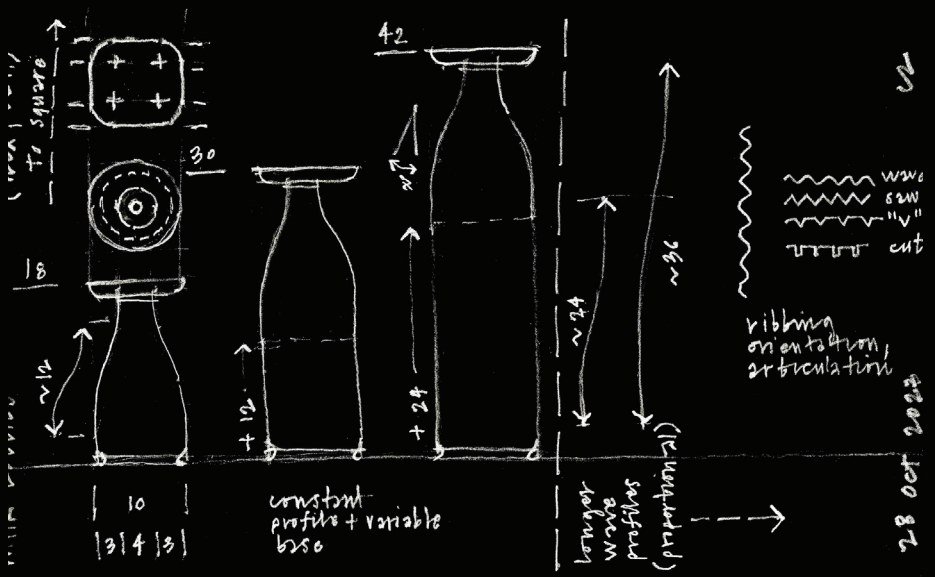
Craig started modeling the first versions of VAZ inspired by figurative profiles that celebrate the beautiful efficiency of timeless vessels. From ancient Mediterranean amphoras (elongated terracotta jugs) to contemporary glass milk bottles – such shapely forms have effectively carried the most essential materials over time. For VAZ, the essential is light.

VAZ optimizes light.

Craig refined later versions of VAZ by topping the body with a wide lid, like a mushroom cap, to accommodate Selux carefully engineered optics. Working together with their engineers, Craig and Selux honed shapes in a variety of heights to balance light onto the body itself, as well as to different targeted surroundings. The result is a beautiful and adaptable glowing bollard that provides a well-lit environment and greater security possibilities.

To further amplify effect, Craig ribbed the bodies in the stone and porcelain options to generate reflective light ripples down the surface, shimmering like liquid.

Each VAZ bollard is a miniature lighthouse, in form and capability. Playfully-shaped and fully adaptable, VAZ offers broad material options that are scalable to deliver wide-ranging illumination possibilities and robust security.



Diverse in material,
and in stature

Adaptable for every application, size differences allow VAZ to integrate seamlessly with site furnishing plans. Designed specifically to coincide with typical furniture heights and to have full cutoff lighting, this bollard can be used throughout outdoor spaces without worry of interference of form or function.

18" - stool height - sized at the height of stools so that when space is at a premium, the lighting doesn't interfere with the seating area, and illuminates low areas with great spacing.

30" - table height - not to overtake the space when occupants are sitting at tables, this height allows for efficient and uniform lighting throughout the setting.

42" - bar height - bring height into your design by using the tallest VAZ, elevating not just the sight line but also the entire project.

42" SteelCore - with its unique form, the SteelCore VAZ allows the entire area to have common lighting without being overbearing.

VAZ Specifications

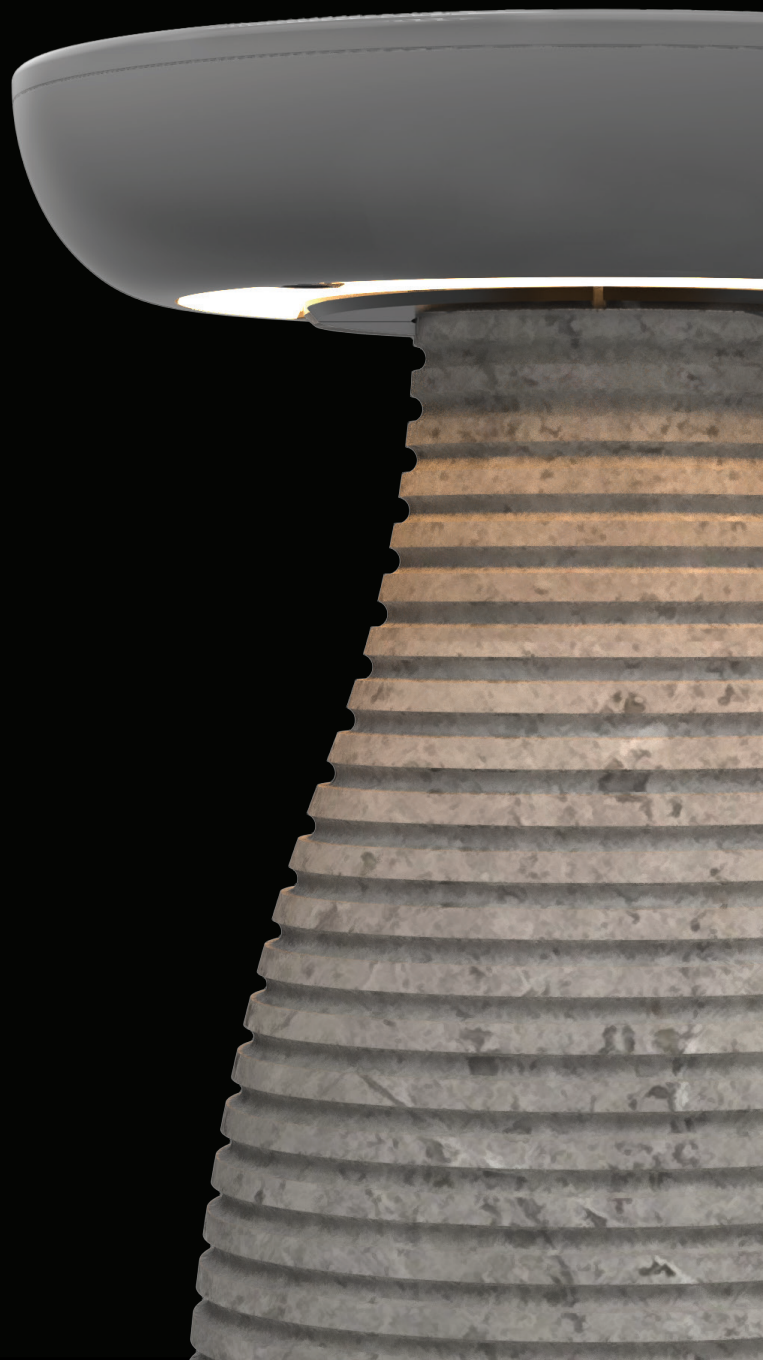
Product:	Bollard · SteelCore Bollard
Construction	Aluminum Head · Smooth Aluminum Base · Ribbed Stone Base · Ribbed Porcelain Base
Light Engine:	1, 2, 3, or 4 Quadrants · High Output 364 - 1473lm · Standard Output 189 - 765lm · up to 98lm/W
CCT and CRI:	Amber · 2700K · 3000K · 3500K · 4000K · 5000K · 80CRI minimum
Options:	GFCI Receptacle · Speaker

Declare.

IP65

IK10

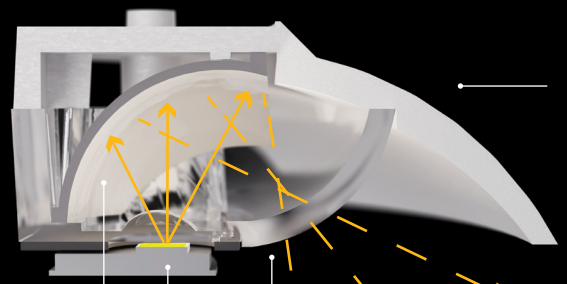
Meets DarkSky Requirements




VAZ Bollard enhances
the natural design of open spaces

Highly efficient and **comfortable** lighting

The VAZ lighting system features a discreet LED light source at the top of the base, complemented by a choice of stone, porcelain, or metal finishes that define its distinct character. This comfortable, highly efficient lighting is designed for consistent brightness and visibility, thanks to the completely sealed optical chamber that provides an IP65 rating. The uniform illumination it casts on paths and walkways is optimized through increased allowable spacing, meeting the requirements of DarkSky International and helping to preserve the night sky and wildlife.

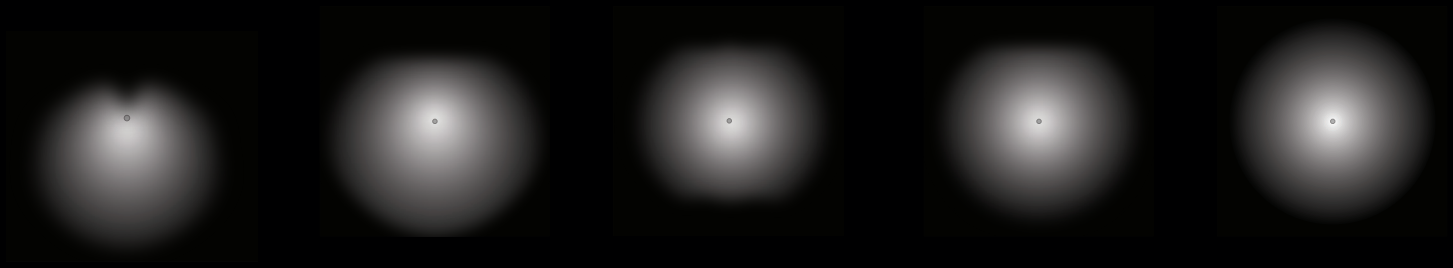


Innovative
Modular Light Distribution

VAZ is comprised of four quadrants of light distribution — with a modular design, VAZ can distribute light in patterns of 90°, 180°, 270° and 360°. It was designed with a dedication to Dark Sky preservation. A variety of four distributions allow you to place light only where it is needed. Selux continuously strives to progress product designs and optical performance.

While still meeting the requirements of DarkSky International, the VAZ optics improve the spread of light, increasing on center spacing and greatly improving uniformity of illumination on a path or walkway.

Standard Distributions



1Q 2Q90 2Q180 3Q 4Q

Novel materials that **transform outdoor spaces**

Materiality creates an interesting
and enduring product

Through the use of various natural materials, VAZ brings beauty to the built world. From standard aluminum to mined travertine or marble to formed porcelain, the design of the bollard is carried throughout the offering, creating a cohesiveness within a project but also an homage to nature.

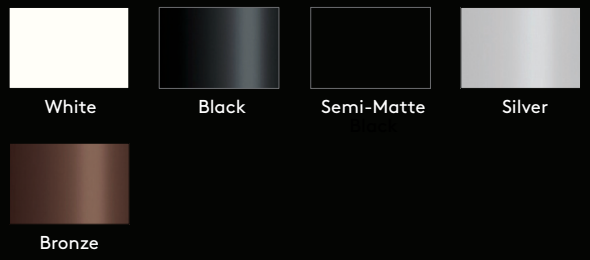
Aluminum
Offering a smooth, unassuming yet striking form, the aluminum version of VAZ is an economic way to bring smooth lines and powerful lighting into your design.

Stone
Travertine or Marble bases, matched with a durable aluminum head, provide not just a solid product, but one that evokes feelings of genuine beauty. Natural variations throughout stones form an awe-inspiring visual impact by creating a unique experience with each product.

Porcelain
Formed and glazed to ensure smooth beautiful curves, the porcelain base is matched with the pleasing curvature of the aluminum head to bring the design intent through the entire product. Glossy or Matte finishes are achievable, with a variety of colors to meet any designed space.

COLORS AND MATERIALS:

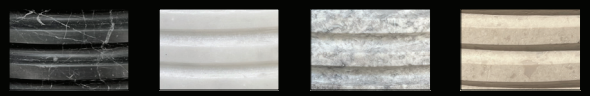
Aluminum:



White | Black | Semi-Matte | Silver

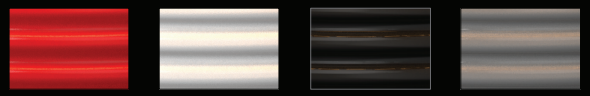
Bronze

Stone:

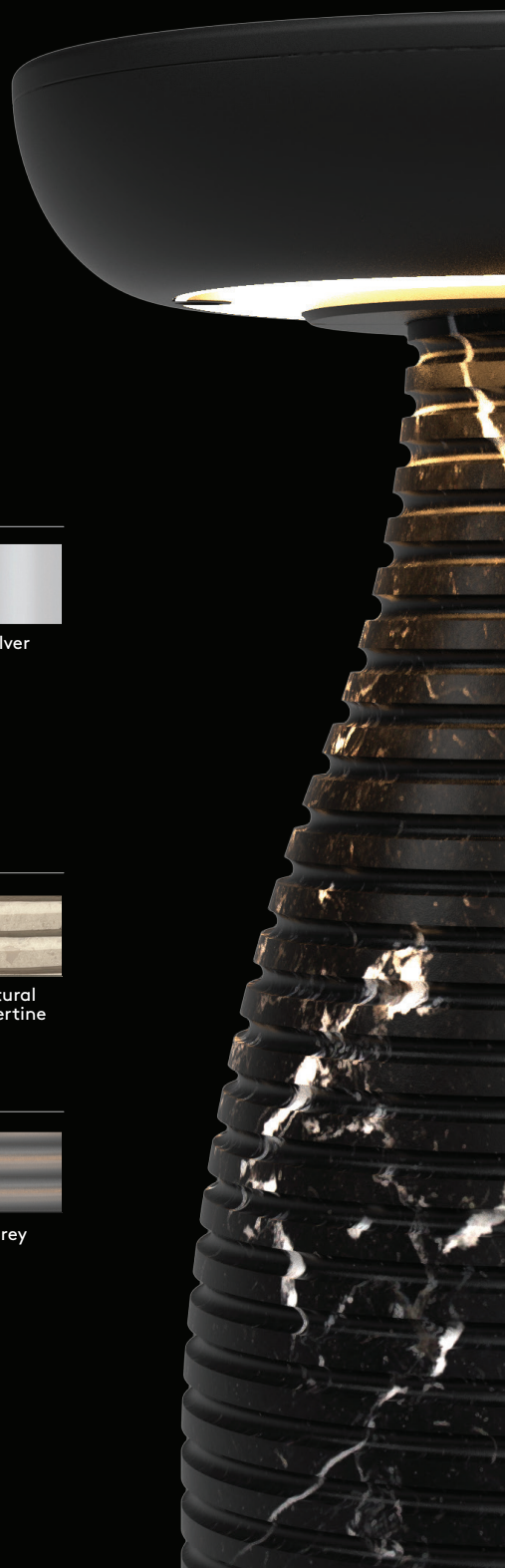


Turkish Marquina (Black Marble) | Carrara White (White Marble) | Grey Travertine | Natural Travertine

Porcelain:



Red | White | Black | Grey



Protecting pedestrians and property from vehicular impact

Engineered for
Strength and Durability

VAZ SteelCore Bollard

VAZ SteelCore crash rated bollard is designed for protecting pedestrians and property from the threat of vehicular impact. VAZ SteelCore Bollard meets IESNA recommended light levels while also meeting crash ratings set forth by the American Society for Testing and Materials (ASTM). With an overall outside diameter of 8 inches, VAZ SteelCore bollard blends inconspicuously into the hardscape and can be combined in a lighting plan with other Selux luminaires. This provides protection without the appearance of overwhelming security. Choose from four other decorative illuminated covers (round or square) that can also be matched with unlit SteelCore bollards, blank SteelCore Case bollards, or non-structural versions.

VAZ

When you are looking for a product that prioritizes sustainability and supporting the environment

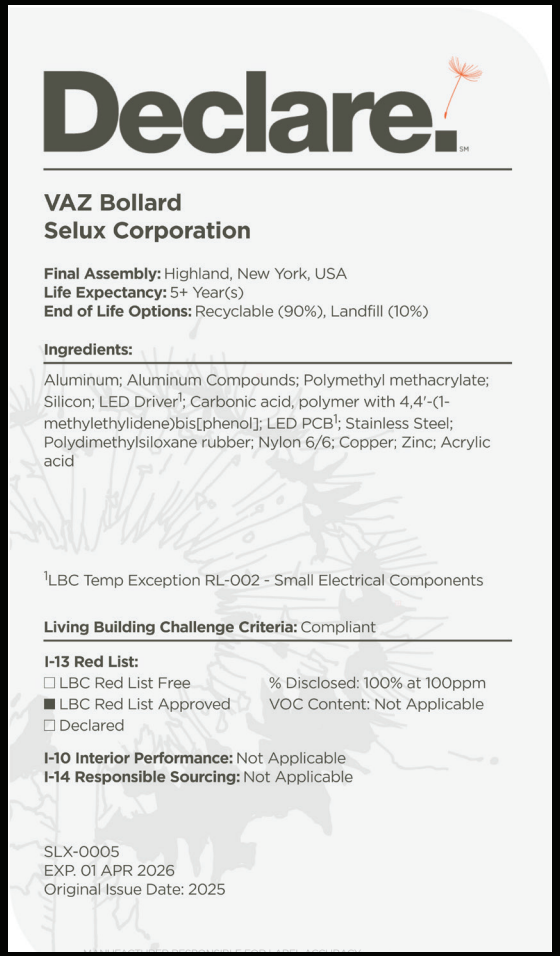
Declare is a platform to share and find healthy building products. Manufacturers willingly disclose product information that can be found on the Declare labels. These labels are then accessible on a free and searchable database used by prominent designers, real estate owners and home owners, to specify products they know they can trust and that meet the requirements of leading green building standards, including Core Green Building, LBC, LEED, and WELL Certification.

Declare has positively changed the materials marketplace to enable the creation of buildings that support human and environmental health and has made it extremely easy to facilitate and simplify the exchange of information.

Selux is also proud to be Living Future Corporate Member. With this credential, Selux is recognized for its proficiency in the world's more ambitious, advanced, and holistic sustainable design standards.

You can trust that with these credentials, VAZ by Selux supports a more sustainable future.

LIVING FUTURE
CORPORATE MEMBER



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VAZ Bollard
Selux Corporation

Final Assembly: Highland, New York, USA
Life Expectancy: 5+ Year(s)
End of Life Options: Recyclable (90%), Landfill (10%)

Ingredients:

Aluminum; Aluminum Compounds; Polymethyl methacrylate; Silicon; LED Driver[1]; Carbonic acid, polymer with 4,4′-(1-methylethylidene)bis[phenol]; LED PCB[1]; Stainless Steel; Polydimethylsiloxane rubber; Nylon 6/6; Copper; Zinc; Acrylic acid

[1]LBC Temp Exception RL-002 - Small Electrical Components

Living Building Challenge Criteria: Compliant

I-13 Red List:
☐ LBC Red List Free
■ LBC Red List Approved
☐ Declared

% Disclosed: 100% at 100ppm
VOC Content: Not Applicable

I-10 Interior Performance: Not Applicable
I-14 Responsible Sourcing: Not Applicable

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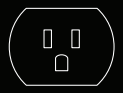
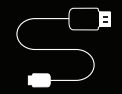
Speaker

Combining lighting and sound into one VAZ Bollard offers benefits like enhanced safety and security through illumination, immersive entertainment experiences, and a sleek, integrated design for outdoor spaces.



GFCI

The outdoor GFCI duplex receptacle is intended for portable tools and equipment when attended by personnel. It is weatherproof with its self-closing cover - for use with or without padlock.



USB & Duplex Receptacle

The outdoor GFCI receptacle with USB charging port is intended for portable tools and equipment when attended by personnel. The USB charging port allows convenient charging of smart phones or other low voltage electronics.

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