



Natural Design



creative, energy-saving, invisible!

Monuments

Monuments, parks and historic sites are important landmarks of our local identity. They make the difference of feeling at home or welcome for residents or guests. Landscape and urban design emphasizes on those spots features to connect people with heritage. Nowadays barrier-free access, clear markings, pathway guidance for bus stop and walkways are key requirements for landscape and streetscape design. The preservation of historic sites is delicate and modern obstacles, like metal lighting fixtures and glass elements are unflattering to original design, which included none of these additional elements. The design conflict between focus in preserving heritage and modern needs for pathway lighting and marking of hazardous spots has a solution:

Beckstone paver lights with natural color feature, that make our inground lights the perfect match natural looking sites.

Attractive lighting is now combined with a completely invisible daylight look, that will never interfere with the look of the monuments or historic sites in daylight.

Beckstone is used to create visual perimeters at night to aid safety, avoiding accidents. Upgrades include tactile routing systems to assist the visually impaired, for example along a platform, bus stop or street edge.

Natural Stone

Along natural stone installations the integration of even leveled inground lights can be problematic due to the natural uneven surfacing of natural stones. The overall natural design is disturbed by visible metal and glass elements. In addition, problems can arise when joints do not matching the interlocking natural stone surface pattern.

Water immersion and condensation water inside the fixture causes complications for landscape design. Beckstone has the innovation to resolve these technical issues, thanks to its solid block design. It blends perfectly with the natural stone and has a wide range of natural daylight colors. There is no visible glass and metal parts in daylight, but a non-glaring white LED for clear even marking at night.

The HISTORIC colors basalt grey (anthrazite), granite grey, porphyry red and sand beige pick up the colors of surrounding pavers. Along with the NATURE formats, Beckstone matches the typical natural stone dimensions. Along with our rustic and bush-hammered natural stone surface textures, Beckstone blends in perfectly in natural landscape designs. Installation of Beckstone is possible without a mortar joint, which allows joints to look as smooth and natural as the surrounding cobblestones or natural stones.

Technology

The natural look and feel of Beckstones, make them the ideal inground light for historic sites and natural landscape designs. In addition to the natural design, Beckstone's key technical advantages are quick and easy installation. Beckstones are delivered ready to install, with no need for special housings or metal fixture pre-mounting. They are installed by laying alongside the pavestones or natural stones in the bedding. The main 12V d.c. powerline is ran in a sand bedding along the installation leg.

The simple electrical installation takes approx. 5 min with our heat-shrinkable sealing connector set.

Because of Beckstones' extended polymer-concrete base layer, sand and gravel bedding installations have occasional drive-over capacity (max. 15 mph) with inflated tires.

The LED-module is casted completely into the resin as solid block. The durable design is maintenance free and has a long life span. Beckstone features a high quality LED-module. It is Made in Germany and guarantees max. efficiency with only 0.5w/Beckstone. That means you can run up 50 pcs. with only 25w power consumption!

Concept



Impressions



Plazas and Walkways

Urbanization and modern life requirements ask for quality improvement at public sites such as recreational areas and places for events or just everyday usage for lunch breaks and evening activities. Lighting is an important factor in the design scope.

Most architectural lighting designs are reduced to the illumination of the building. The plazas and pathways in the landscape usually have decorative pavers; but not much thought given to the usage in a modern work environment and recreational activities. In terms of cost, the illumination with standard pole lamps is not efficient for large sites. For that reason, they remain dark and neglect to realize the potential of the site in the evening.

There are new options with Beckstone paver lights, a guiding light can be created through Beckstone implementation in new and existing paving structures and concrete slabs.

Beckstone creates guiding dotted lines of light, structuring big plazas with creative ambient lighting patterns for a welcome look and feel with increases safety. Beckstone supports a barrier-free design. It is especially beneficial for the visually impaired. With easy and cost-efficient installation process in the bedding or just along the edge of an existing site, areas that were previously thought impossible to illuminate with traditional pole lamps, now become possible to light with Beckstone paver lights. Beckstone enhances the safety and marks hazardous spots such as curbs or staircases.

Regarding design options, choose from our standard colors as well. In daylight the lights are unrecognizable and blend into landscape designs. Beckstones are invisible by day and attractive ambient light by night.



Public Transportation

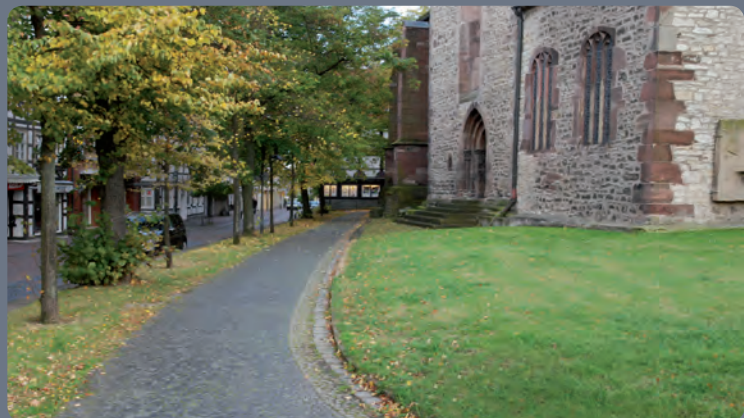
Heritage preservation and modern urban design requirements for safety marking have a solution.

JoBe Lighting has a suggestion for a solution to requirements for safety and site-seeing landmarks and heritage sites. Beckstone increases safety and aesthetics of historical landmark sites by night and blend seamlessly by day.

Beckstone is a flawless, energy efficient and durable long term solution to public transportation stations and stops. Curbs, platform edges and transportation stops get increased safety, since Beckstone warns passengers against trips and provides orientation. Meanwhile Beckstones diffused lights will not disturb ongoing car and truck drivers. Beckstones' textured surfaces direct the visually impaired (e.g. with cataract) to safety zones, all while elegantly redirecting the public away from platform edges by night. - Creating better safety and attractive design for public transport.



Areas of Application



Pathways and Landscape Design

Parks and recreational areas around historic sites and monuments or natural landscape design have pathways and resting areas. These pathway and resting areas are designed with respect to nature or the heritage around it. Any obstacle that interferes with the overall aesthetic is banned for being included in the design, which is often the case with many of common inground lights.



Beside from design aesthetics, there are often technical issues, which make pole lamps create isolated spotlight effects. This creates a light island effect. This sudden high intensity light followed by darkness triggers the pupil to constrict and restricts the ability to see within the gaps between spotlights. Over time, trees or bushes often overshadow the lamp poles and make this light and dark effect even stronger and more impractical for pedestrian safety.

Beckstone is the solution for such design issues. The even, non-glare design reduces the pupil adaption needed. Matching surface textures "STYLE" (suited for embedding surrounded by concrete/pavers) and "NATURE" (suitable for natural rustic surrounding stones) create a homogenous surface pattern. The HISTORIC color options are designed to match the color of natural stones like dark basalt, granite grey, porphyry red and sand beige.

Mark the perimeters of pathway in all weather conditions including light snow. Beckstone can flank a path with an elegant dotted line.



Monuments

Most projects in urban environments include monuments, landmarks or historic sites. The combination of heritage and modern accents is a particular delicate topic, since many interest need to be considered in design. Many daylight surface patterns designs have non or insufficient contrast for visibility at night. The emphasis in the design of large plazas design disappears by night.

Beckstone light installations give the opportunity to highlight structures and/or design features by night. With only 0.5w/light, Beckstone have low operating costs, thanks to LED-technology. The solid block design of Beckstone reduce the maintenance to the regular cleaning procedures on site.

Protect your light installation from vandalism. Beckstone encases each LED in a solid resin layer, making it unsusceptible to classic vandalism attempt at breakage. Our interlocking feature with durable polymer-concrete bottom layer protects Beckstone against damage and vandalism.

Create attractive contrast features in monument light displays, light up dark alleyways and pathways or restaurant patios and entrance areas with easy to install Beckstones.



Areas of Application



Driveways and Parking Lots

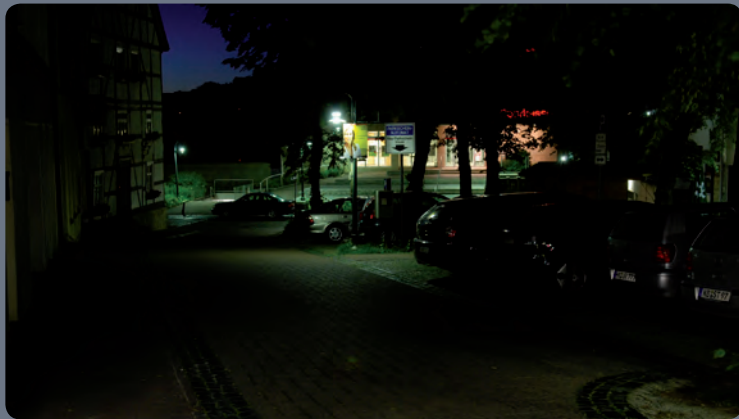
Would you consider an elegant alternative to painted white parking stripes? How about flanking parking lots or driving lanes with a dotted line of inground Beckstone lights? This design fits in seamlessly with preexisting heritage designs. Reduce the risk of accidents by clearly marking pedestrian crossings with inground non-glare Beckstone lights.

Parking lanes get so much more nighttime visibility with Beckstone lights.

Beckstone are drive-over certified for cars and trucks in low traffic areas in a bed of sand, gravel and mortar.

Installation is easy and cost efficient even for large size installations. Simply set Beckstone alongside the pavestone laying process.

The safe 12V d.c. low voltage main power cable can be run in a layer of sand in the bedding. For long lasting interlocking surface texture, Beckstone can be compacted like pavers with a rubber-headed vibrating plate.



Archaeological Monuments

During the last centuries, city limits extended enormously, but are designed more spaciouly with plazas and recreational areas like parks. Many of those areas carry archaeological walls underneath them from old buildings that were part of the city's heritage. Landscape design emphasis on these ground monuments with contrasting color pavestones or natural stones. In wet weather conditions or at night these themes are not visible. Beckstone creates the lighting contrast to mark patterns clearly and creates appealing design highlights during many weather conditions. In clear daylight lighting Beckstone is invisible.

These paver lights offer multiple options for pathway marking and routing systems as well as integration in antique alleyways for heritage oriented design combined with a state of the art natural lighting design. With affordable prices and minimal installations costs, design ideas can be realized in large spaces, that need some structure at night. This way Beckstone creates an atmosphere and clears up dark corners and alleyways for residents and visitors.



Areas of Application

NATURE

natural stone like rough surface texture

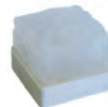


2 x 2 x 2 3/8"

50 x 52/48 x 60 mm

7-LED/ 0.5w

Mod.-Nr. 520506xx



3 x 3 x 2 3/8"

69 x 69 x 60 mm

7-LED/ 0.5w

Mod.-Nr. 520706xx



4 x 4 x 2 3/8"

97 x 97 x 60 mm

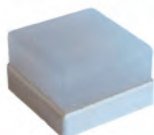
7-LED 0.5w

Mod.-Nr. 521006xx

Surface texture rustic

STYLE

pearly concrete like surface texture

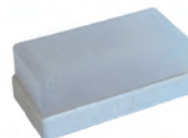


4 x 4 x 2 3/8"

97 x 97 x 60 mm

7-LED/ 0.5w

Mod.-Nr. 541006xx

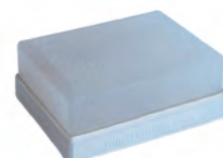


6 x 3 x 2 3/8"

146 x 70 x 60 mm

2 x 7-LED/ 1.0w

Mod.-Nr. 540706xx



6 x 4.5 x 2

146 x 110 x 60 mm

2 x 7-LED/ 1.0w

Mod.-Nr. 541106xx

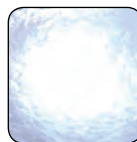
„NATURE“ and „STYLE“

Beckstone comes with two surface texture options to match all kind of applications:

NATURE has a rough surface texture that suits in perfectly with basalt, sandstone and marble pavers. The matted surface makes Beckstone "NATURE" subdued during daylight so it does not interfere with the overall design concept.

STYLE has a pearly surface texture so it goes well with interlocking concrete paving stones and large size patio plates. 14 standard sizes and eight colors give you creative options for installation pattern.

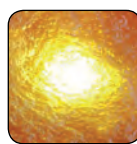
COLORS



CRYSTAL

P/N xxxxxx08

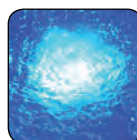
-translucent frosted body
-white light output



AMBER

P/N xxxxxx03

- translucent amber body
- amber light output



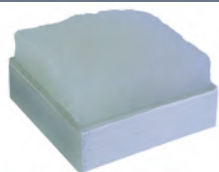
BLUE

P/N xxxxxx07

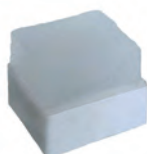
- translucent blue body
- blue light output

HISTORIC

NATURE, "invisible in daylight"

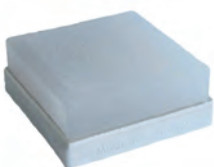


6 x 6 x 3 1/8"
150 x 150 x 80 mm
7-LED/ 0.5w
Mod.-Nr. 521508xx



4 x 4 x 3 1/8"
98 x 98 x 80 mm
7-LED/ 0.5w
Mod.-Nr. 531008xx

Surface texture bush-hammered

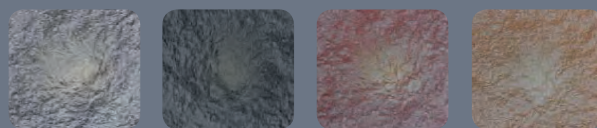


5.5x5.5 x2
136 x 136 x 60 mm
7-LED/ 0.5w
Mod.-Nr. 541406xx



Ø4 x 3 1/8"
Ø 96 x 80 mm
7-LED/ 0.5w
Mod.-Nr. 551008xx

Round for concrete drilling

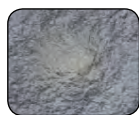


Our standard colors crystal, blue and amber create a contrast in daylight and night. The "HISTORIC" colors are made to make Beckstone invisible in natural stone installations.

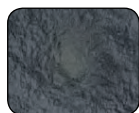
The frosted light body and the polymer-concrete base layer are made to match texture and color of the surrounding pavestones or natural stones. Special color adjustments are available for your individual projects. The light color remains white.

Beckstone "HISTORIC" is the only inground lighting system, that matches beautifully into landscape design or heritage in daylight.

HISTORIC COLORS



GRANITE GREY
P/N xxxxxx11
- translucent granite grey body
- white light output



BASALT GREY
P/N xxxxxx10
- translucent basalt grey body
- white light output



PORPHYRY RED
P/N xxxxxx12
- translucent porphyry red body
- white light output



SAND BEIGE
P/N xxxxxx12
- translucent sand beige body
- white light output

SAFETY WARNING!

PLEASE READ OUR SAFETY WARNINGS, SPEC SHEETS AND INSTALLATION MANUAL FOR ALL DETAILS

All dimensions are nominal measurements. Subject to change.

CUSTOM SHAPES AND COLORS

PLEASE ASK US FOR SPECIAL SHAPES AND COLORS!

Models

Frontpage picture in daylight:

Beckstone Key Facts:

- Attractive, modern lighting system without disturbing the appearance of heritage at historic sites, monuments and plazas
- Safety lighting for marking of traffic lanes, hazardous spots like curbs and platform edges
- Ambient lighting with non-glare design
- High-performance, long-life LED-technology with no change of illuminants
- Low energy consumption (0.5 W/LED)
- Solid-block design: no condensation water issues, protection against vandalism
- No maintenance with casted LED-module in resin
- Wide assortment of three surface textures: "STYLE" and "NATURE" in bush-hammered and rustic texture
- 7 different colors, "HISTORIC" colors for natural design and delicate heritage design
- Square and rectangle shape from 2x2" to 7x7"
- Drive-over rated for trucks and cars without mortar joint in low-traffic areas
- Reasonable installation costs and secure operation with 12V dc system
- Ideal for retrofitting and renovation projects
- IP68 rated
- High-quality and 14 years in the market
- UL + CUL 1838 listing
- 100% - Made in Germany

Design + Development: Friedrich Schneider, Bad Arolsen, Germany
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JoBe Lighting

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