Reference Book 6.0

L&L
Luce&Light

L&L

Luce&Light

Our job is to light up your projects

Our speciality is designing and producing lighting systems using LED technology. We are proud to be an authentic example, established in 2007, of the Made in Italy branding, with a flair for innovation and a profound appreciation of architectural projects. Our lighting fixtures integrate perfectly with both indoor and outdoor spaces and surfaces to recreate natural architectural illumination. All our products are designed at our headquarters in Vicenza, Veneto, where our meticulous creative process guarantees the highest possible quality and the greatest, long-lasting reliability.

Historical Buildings & Cultural Venues

Royal Saltworks

Location
Arc-et-Senans, France

Application
Facades

Light planning
Le Point Lumineux (Thierry Walger)

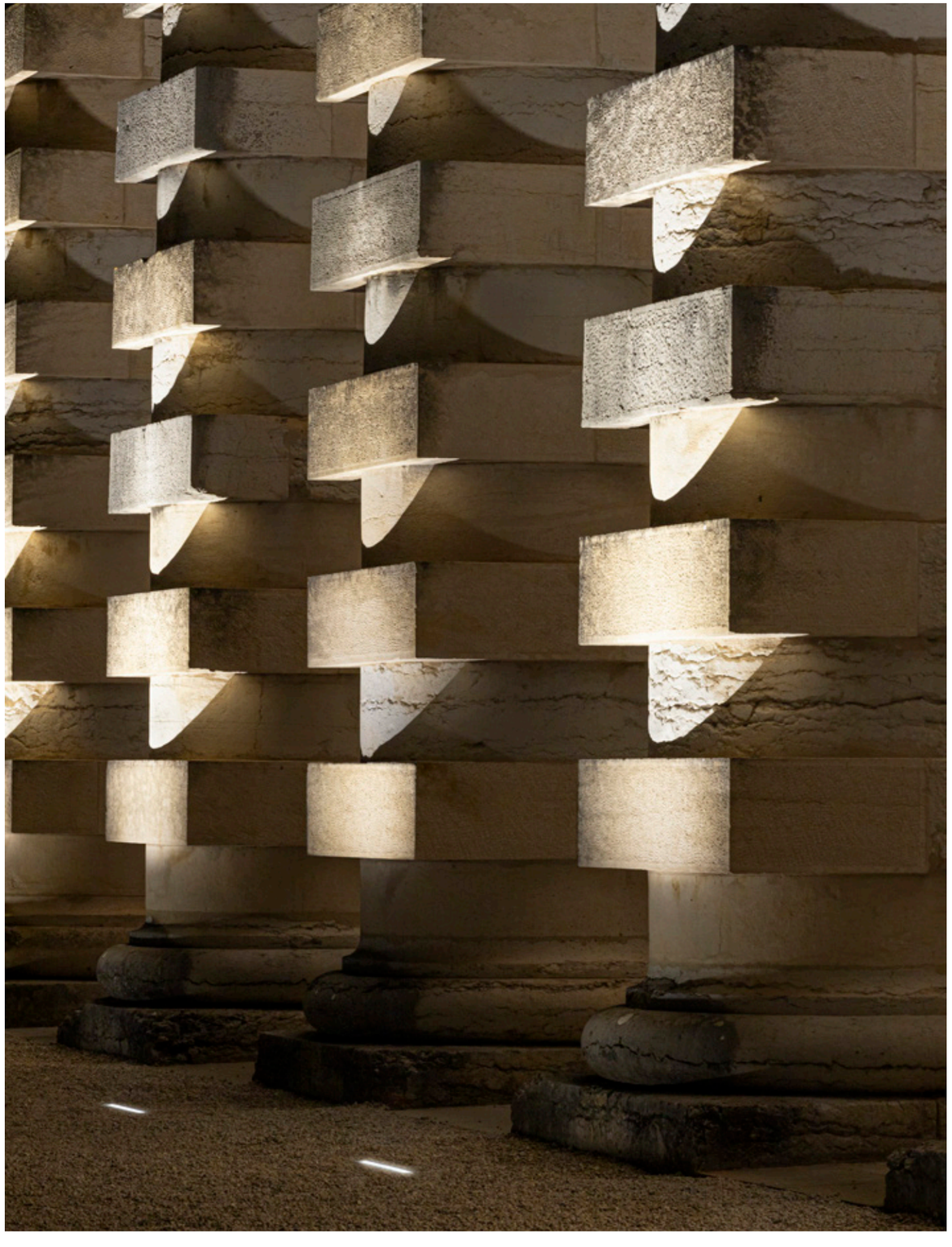
Photography
Arnaud Rinuccini

In 1771, the French architect and town planner Claude Nicolas Ledoux, one of the most important exponents of French and European neoclassical architecture, was appointed superintendent of the royal saltworks under the reign of Louis XV and given the task of building a new works between the villages of Arc and Senans. After his first project was rejected by the king, Ledoux proposed a set of buildings arranged in a perfect double semicircle, with the east-west diameter formed by the salt- production buildings. His design was extremely rational, with a specific destination for each building and area. Its semicircular shape, composed of geometric rows and parterres, includes the Director's House. Built at the centre of the radiating paths, it illustrates the architect's aim of giving the Saline Royale a "pure shape like that of the natural course of the sun". This mix of architecture and landscaping was meticulously developed with a balance and sense of proportion that has generated great beauty.

This historical construction, studied in every school of architecture, was taken in hand by the lighting designer Thierry Walger of Le Point Lumineux in Besançon. He focused his efforts almost exclusively on the architecture, leaving the large lawns and surrounding trees in a perfect, natural penumbra that makes the geometric parterres and concentric rows stand out even further.

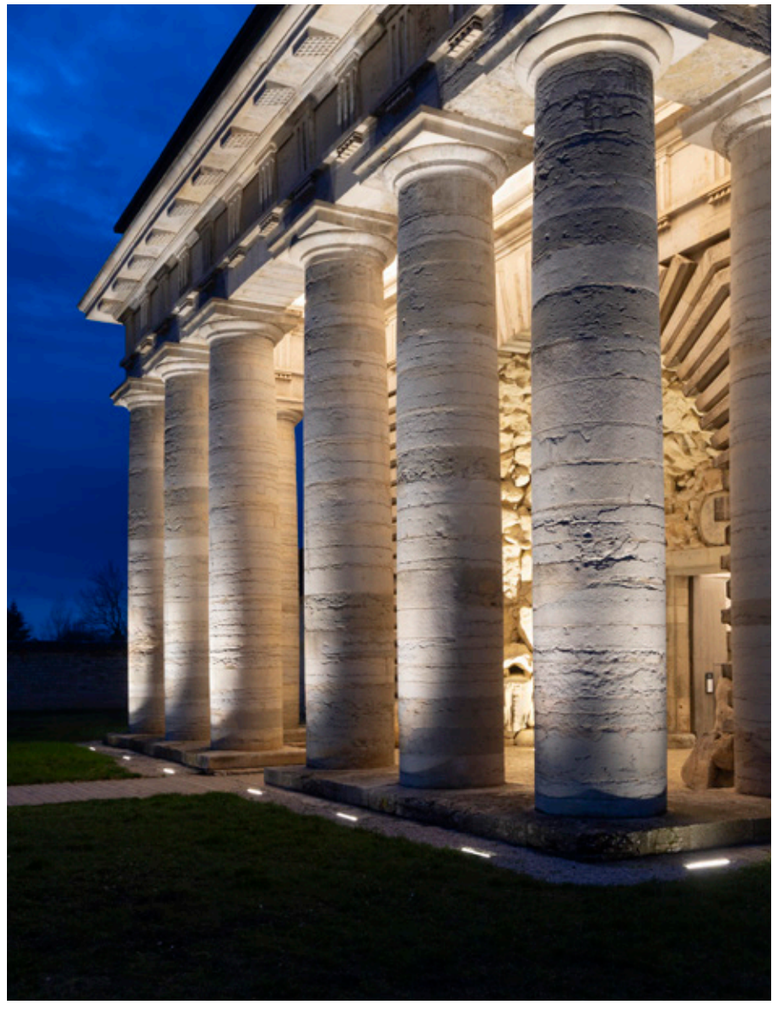
Walger selected Tago 1.1, both with 29° optics and in the wall grazing versions, to highlight the materials used by Ledoux and the architectural details he created. Among these is the deep chiaroscuro of the French architect's distinctive columns that alternate cylindrical and parallelepiped drums. Another is the Batiment des Gardes, with its monumental portico of Doric columns and its artificial grotto, which forms the entrance to the Saline Royale. To illuminate the large walls of the ten buildings surrounding the Director's House, the wall washer optics of Tago 1.1 and 1.3 were used.

The work carried out by Le Point Lumineux is a skilled design that emphasises the architecture of this UNESCO heritage site, while still enhancing the gardens with a perfect, and perfectly fascinating, penumbra. Tago linear profiles with DALI-2 control answer the studio's intentions superbly thanks to their minimalist design, the possibility of tilting the optics by ±20° and their LED sources' functional anti-glare recessing.



Tago 1.1
power: 24W
optics: wall washer/
wall grazing / 29°
with honeycomb louvre
colour temp.: 3000K

Tago 1.3
power: 51W
optics: wall washer
colour temp.: 3000K



Abreuvoir de Marly

Location
Domaine royal de Marly,
Marly-le-Roi, France

Application
Fountains and swimming pools

Light planning
Amocosy

Photography
Arnaud Rinuccini

Just a few kilometres from Versailles, the remains of the Château de Marly, a former French royal residence, are located in what is now Marly-le-Roi. This was a favourite retreat of Louis XIV, where he could escape the formal rigours of the palace. Small rooms meant less company, and simplified protocol.

Work began on the Château in spring 1679, in response to the king's request for an isolated residence to be built on his property, in the woods between the palace of Versailles and the Château de Saint-Germain-en-Laye. Marly was the perfect choice. The project, a collaboration between the architect Jules Hardouin Mansart and the painter Charles Le Brun, was officially opened in 1686, and the Abreuvoir de Marly, or "Marly horse trough", was added in 1698. This huge horse-watering pool was one of the most impressive architectural and hydraulic structures of the 17th century. It was conceived as a picturesque pond where the king's horses could stop to rest and water after hunting sessions in the nearby forest.

The setting is famed for its serene beauty and historical importance, reflecting the grandeur and sophistication of the Sun King's reign. No trace remains of the original castle, but the drinking pool has been beautifully preserved and has recently undergone a lighting upgrade. The lighting design from the Amocosy design studio has used L&L Luce&Light fixtures to restore the elegant and imposing appearance of former times, with Trevi 1.2 32W 24Vdc 3000K, underwater linear profiles for pools and fountains, specially designed with a 90° rotation and 60 cm telescopic bracket.

The drinking pool's massive, solid structure is typical of 17th century architecture, designed to withstand time and weathering. Now, it is emphasised by a soft, warm, diffuse light that envelops the stone and creates magnificent reflections in the water below. The entire structure is illuminated in a way that is in keeping both with the grandiose aesthetics of the other buildings associated with Versailles and the reign of Louis XIV, and with the natural ambience of its surroundings.

Curiosities

The Abreuvoir de Marly originally functioned as both a watering station and a decorative element. The king wanted the construction to represent his power and artistic taste, and it incorporated sculptural elements such as the famous Chevaux de Marly horse statues by Guillaume Coustou. While the original statues are now housed in the Louvre in Paris, replicas still grace the site.

The large, semi-rectangular basin has a central ramp leading down to the water; the stone walls, with their strong, sturdy construction, lend solidity to this monumental drinking pool. The basin is shallow and built with a gentle slope to make it easier for horses to access the water.

The abreuvoir was part of a complex water system that allowed the basin to be filled with water from the Seine, channelled towards Marly via a system of pumps known as the Machine de Marly, a contemporary masterpiece of hydraulic engineering.

Trevi 1.2
power: 32W
optics: diffuse
colour temp.: 3000K
length: 1803mm
special accessory
for a 90° rotation
and 60cm telescopic
bracket

The Hellenic Parliament in Athens

Location
Syntagma Square, Athens, Greece

Application
Facades

Light planning
DANILOF studio light + perception

Photography
Gavriil Papadiotis

The Hellenic Parliament, housed in the Old Royal Palace in Athens' Syntagma Square, is one of the most iconic symbols of modern Greece. The Royal Palace was built in 1843 to a design by Bavarian architect Friedrich von Gärtner, and its imposing neoclassical architecture dominates the square together with the Monument of the Unknown Soldier.

In an innovative project by DANILOF light + perception studio, the lighting for both the Parliament House and the Monument of the Unknown Soldier. has recently been revised to complement the architectural heritage and create a dynamic atmosphere that respects the historical and environmental context.

The project, which won the Heritage Lighting Design Award at the LIT Lighting Design Awards, embraces an innovative approach that combines aesthetics, functionality and respect for the environment to create a harmonious dialogue between light and architecture.

The main fixtures used include Lyss 2.0 Tunable White projectors (from 2700K to 4000K), strategically positioned on the windows to enhance the building's original marble cornices. These fixtures have customized RAL finishes and are installed on bespoke bases to avoid damaging the antique marble and allow the products' orientation to be easily adjusted according to the windows' irregular planes. The base enables the fixtures to be moved left or right and up or down to ensure uniform illumination for each window.

Akro projectors light the wall in the centre, with the Monument to the Unknown Soldier, while Neva linear profiles light the masonry at the end. With a colour temperature of 3500K, this lighting accentuates the texture of the limestone walls, creating a three-dimensional effect that gives depth and harmony with the Monument of the Unknown Soldier.

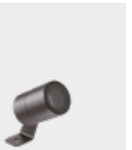
All the lighting fixtures offer unique colour flexibility, enabling the colour temperature to be changed to create fluid transitions and a variety of scenic effects. From sundown, the light evolves gently through programmed lighting scenes with different intensities and temperatures, moving from cool white to warm white. After midnight, the intelligent dimming system reduces lighting levels to preserve the night sky and respect the environment.

In addition, the fixtures are designed with precision optics and fitted with anti-reflection components to minimize upward light spill and ensure precise, responsible lighting. Visual harmony by day has been carefully considered, too: the fixtures' customized finishes make them almost invisible against the surfaces they are mounted on, preserving the building's aesthetic coherence.

This project is a shining example of how light can translate into a language that enhances architecture and respects the landscape, telling the story of a place and enriching its identity.

Akro 1.2
power: 43W
optics: optical range 16°-42°, dimmable
colour temp.: 3500K

Lyss 2.0
power: 19W
optics: 12°x160°
colour temp.: Tunable White 2700OK-4000K
finish: RAL9002

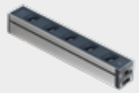


Ginko 1.0
power: 7W
optics: 16°x36°
colour temp.: 4000K
finish: anodized black

Ginko 2.0
power: 7W
optics: 13°x52°
colour temp.: 4000K
finish: anodized black

Ginko 4.0
power: 25W
optics: 12°, 13°x65°/
24°x69°- adjustable
colour temp.: 4000K
finish: anodized black

Neva 2.0 / 2.1 / 2.2
power: 11W/16W/27W
optics: 10°x40°
colour temp.: 3500K
length: 677mm/1037mm/
1758mm



Neva Mini 1
power: 5.5W
optics: 12°x40°
colour temp.: 3500K
length: 316mm

Personal Structures – Beyond Boundaries

Location
Giardini della Marinaressa, Venice

Application
Landscape, Museums and exhibitions

Concurrently with the Venice Biennale, the Giardini della Marinaressa – public gardens located in the Castello district – are transformed into a venue for collateral exhibitions. From April to November 2024, they are hosting a section of the Personal Structures – Beyond Boundaries group art exhibition organized by the European Cultural Centre (ECC) in Venice.

The exhibition brings together more than 200 multidisciplinary artists and creatives from 51 countries, offering visitors a broad spectrum of artistic narratives: a wealth of different and unconventional perspectives to encourage dialogue and exchange between cultures. The Levante section of the Giardini della Marinaressa houses 20 sculptural works by artists from all over the world: an open-air exhibition to be admired while strolling along the avenue that winds through the park, around its centuries-old maritime pines.

As the sun sets over the lagoon, in evenings imbued with magic, our light draws attention to each work on show with the precise illumination of Reiko 2.0 and 3.0 projectors. Fitted with a variety of optics, these are fixed to the ground with stakes or to the tree trunks with fastener straps. The fixtures' jasper green and cor-ten finishes ensure they blend perfectly with the natural surroundings.

The aluminium alloy body and AISI 316L stainless steel bracket make the Reiko projectors particularly able to withstand weather and environmental conditions with a high risk of corrosion, such as the salty and humid lagoon environment of Venice. To complete this urban and landscape lighting project, designed for our technical sponsorship, the avenue is lit from above with Ginko 3.0's shadow-effect filter in order to recreate on the ground the dappled effect of light shining through foliage.

Ginko 3.0
power: 15W
optics: sharp 48°, shadow-effect filter
colour temp.: 3000K
finish: anthracite
fastener strap

Reiko 2.0
power: 7W
optics: 44°/73°
colour temp.: 3000K
finish: jasper green
spike for in-ground installation

Reiko 3.0
power: 15W
optics: 37°/27°x64°
colour temp.: 3000K
finish: jasper green

Photography
Alessio Tamborini

Personal Structures – Beyond Boundaries
Giardini della Marinaressa
Riva dei Sette Martiri, Venice
20 April - 24 November 2024
from 10 am to 8.30 pm

Tičan memorial area

Location
Tičan, Croatia

Light planning
Light On

Application
Landscape

Photography
Koridor 27

Honouring the past with a play of lights

The Tičan memorial area, near the small town of Višnjan, commemorates the 84 soldiers and civilians who sacrificed their lives on 11 September 1943 in the fight against Rommel's "Afrika Korps" during the Second World War. This memorial site is a symbol of resistance and the fight for freedom, a testimony to a heroic act that has left an indelible mark on the region's history.

The monument, designed by the architect Zdenko Sila, is composed of seven blocks of Istrian stone, arranged freely in the space and engraved with symbols associated with work and the resistance movement: a rake, a ploughshare, a hoe, a mallet, a pitchfork, a scraper, a scythe, an axe, a thistle and a digger. The seventh pillar bears an inscription commemorating the sacrifice of the fallen, a testament to hope for future generations.

To honour this memory, the lighting was designed to emphasise the symbols engraved in the stone blocks without detracting from the monument's solemnity. The lighting designers chose the Ginko 3.5 projector whose innovative Light Shaper optics are able to project precise light shapes – circles, squares, rectangles and other geometric forms – with perfectly defined contours. This technology, combined with a CRI of 90 for optimal colour rendering, has made it possible to illuminate each symbol exactly. The light adapts to the different figures to frame the details without spilling into the surrounding areas.

A special 2200K LED colour was used to illuminate the memorial, designed to recall the warm tones of places of worship and create an intimate, contemplative atmosphere. The soft, non-glaring light envelops the site in a warm luminosity that invites silence and stillness, blending harmoniously with the surrounding environment. The result is lighting that enhances the site's history and importance, without being intrusive or diverting attention from the monument's deep significance.

Ginko 3.5
power: 15W
optics: light shaper
colour temp.: 2200K
finish: corten

Basilica of the National Shrine of the Blessed Virgin of Ta’ Pinu

Location
Għarb, Malta

Application
Facades, Churches

Light planning
Light Design Solution

Photography
Alan Carville

The lighting in this Roman Catholic basilica on the island of Gozo has been refurbished in several stages over the last few years. The most recent intervention involved the tiered facade, where various architectural elements are highlighted by the new lighting. These include the pilasters, picked out by the light from Neva linear profiles with 60 pitch and elliptical optics; the columns supporting the arches at the entrances, whose contours are silhouetted against a backlight; and the mullioned windows, whose internal profiles are accentuated by Lyss projectors.

The spacious churchyard features large Byzantine-style mosaics placed on curved walls suggestive of the open arms of an embrace that Pope Francis spoke of in 2017. The mosaics represent the mysteries of Christ's life condensed in the rosary and were made between 2015 and 2017 by the Centro Aletti in Rome. They are lit by projectors placed between the benches. These make the red and gold inserts stand out particularly well, thanks to the high colour rendering index of the LED light sources.

On the raised area in front of the portico, three linear profiles are recessed flush with the floor. These fixtures emit a diffuse light and are switched on during outdoor celebrations, when a temporary altar is set up to celebrate the services.

Lyss 1.0
power: 5W
optics: clear 10°x180°
colour temp.: 3000K
finish: white

Spot 1.6
power: 2W
optics: 40°
colour temp.: 3000K

Neva 1.0
power: 18W
optics: 10°x40°
colour temp.: 3000K

Rio 2.4
power: 38W
colour temp.: 2800K

Frauenkirche, Dresden

Location
Neumarkt, Dresden, Germany

Project
Thomas Gottschlich

Application
Facades, Churches

Photography
Robert Gommlich

The Frauenkirche (Church of Our Lady) is one of the iconic images of Dresden, an emblem of resilience and rebirth that has established itself over time as a symbol of peace and unity. Built between 1726 and 1743 and designed by architect George Bähr, this extraordinary Lutheran church is inspired by Italian Baroque architecture, with its majestic dome that dominates the cityscape. Considered one of the most beautiful Lutheran churches in Germany, the Frauenkirche is a masterpiece of engineering and design, blending elegance and spirituality in an imposing yet harmonious structure.

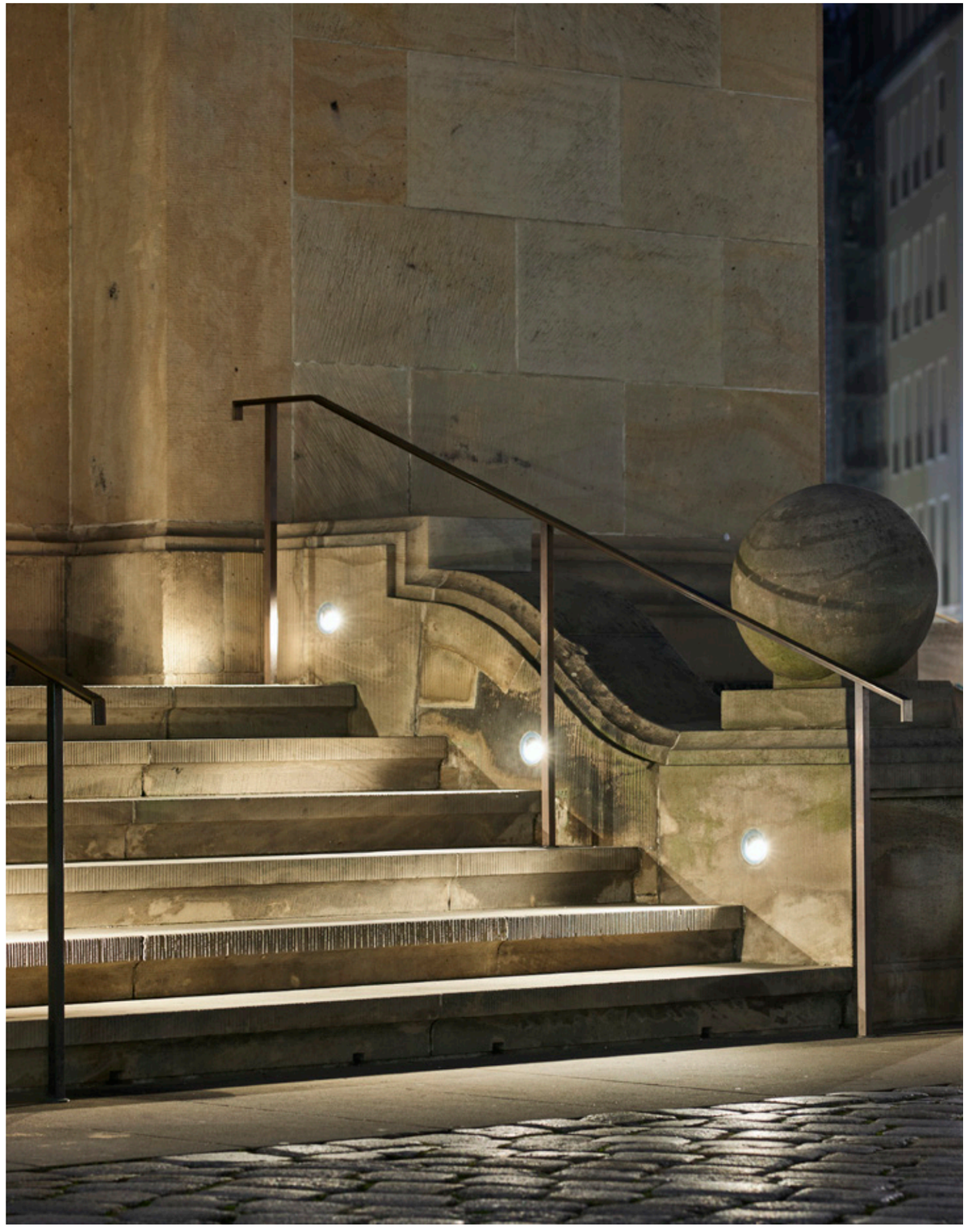
In February 1945, following the World War II bombings that devastated Dresden, the church collapsed under the extreme heat of the flames and remained a pile of rubble for almost half a century. During this time, the Frauenkirche was conserved as a war memorial and became a powerful symbol of pacifist protest.

In 1990, with German reunification, an ambitious reconstruction project began, supported by Dresden citizens and international contributions. Completed in 2005, the restoration returned the Frauenkirche to its former glory.

To enhance the steps up to the building's entrance, a lighting design was implemented that uses Litus 5.6 outdoor recessed fixtures with 13°x52° optics adjustable by ±15° and a warm colour temperature of 2700K. This configuration provides delicate, precise illumination, accentuating the nuances of the sandstone and creating a harmonious and welcoming visual effect.

In this realisation, light is not only a functional element but also acquires a narrative value: it guides the gaze and emphasises the entrances' architectural lines. The play of light and shadow created by the Litus 5.6 fixtures accentuates the three-dimensionality of the steps while respecting the building's sobriety and solemnity. In addition, the ability to adjust the fixtures' orientation means that light spill can be avoided, ensuring precise lighting that blends perfectly into its surroundings.

Litus 5.6
power: 5W
optics: 13°x52°
tiltable ±15°
colour temp.: 2700K



Former church of San Giovannello

Dating from 1441 and located in a narrow street just outside the centre of Marsala, the church of San Giovannello was largely destroyed by bombs during World War II. Restoration work began in the 1950s, overseen by local architect Domenico Nuzzo, who focused on the portal in the Chiaramontan style. One of the characteristics of this Gothic art movement that developed in Sicily during the 14th century is stone dressings with zigzag motifs on pointed archivolts.

However, work stopped soon after and didn't start again until 2018, when the Marsala City Council appointed the architect Giovanni Nuzzo to complete the project begun by his father. He quickly enlisted the help of a member of the third generation: his son Domenico.

The two architects again started restoring the entrance arch, heavily damaged not only by the bombing but also by exposure to external agents. They carried out a partial reconstruction using the ancient technique of lost-wax casting. In the same spirit of making the reconstruction obvious without altering the site's historical authenticity, the architects filled the void left by the collapsed perimeter wall with 53 vertical cor-ten panels. The spaces between the panels allow passers-by to see inside, especially in the evening when the lighting is on and the panels are outlined against the light.

Some of the cor-ten panels were bent to symbolise the suffering of the war. There is a similar symbolic reference inside: in the apsidal area, which was also reconstructed as a cor-ten backdrop, a long vertical slit is made even more dramatic by the light of a Bright 1.0 recessed fixture emphasising its inner thickness.

And, at the end of 2020, it was light that returned this location to its place in the history of Marsala. Lighting breathes new life into this structure, in its new form en plein air. The Neva linear profiles with elliptical optics that light the external wall accentuate the remains of the variegated plaster, while the same profiles, with 11° narrow optics, pick out the partially reconstructed internal pilasters, enhancing the cornices and arches.

The choice of cor-ten outdoor projectors mounted on posts reinforces the feel of a new urban look for the former church of San Giovannello: an indoor space that has become an outdoor one; a church that has become a space ready to welcome the social and cultural events of the Marsala community.

Location
Marsala, Italy

Application
Facades

Project
arch. Giovanni Nuzzo,
arch. Domenico Nuzzo

Photography
Archifotografia

Projector custom
for outdoor
applications
power: 10W
optics: 63°
colour temp.: 3000K
finish: cor-ten

Bright 1.0
power: 2W
optics: 10°
colour temp.: 3000K

Neva Mini 1
power: 9W
optics: 11°
colour temp.: 3000K

Neva 1.0
power: 18W
optics: 10°x40°
colour temp.: 3000K

Grand Çamlıca Mosque

Location
Istanbul, Turkey

Light planning
Utku Baskir

Project
arch. Haci Mehmet Guner

Turkey's largest and most impressive mosque, located in the Asian quarter of Üsküdar in Istanbul, is the fruit of the Turkish government's desire to bear witness to the country's economic greatness. This new symbol, a building with modern connotations, houses not only the area dedicated exclusively to worship and prayer but also an art gallery, a library, a conference room, an art studio, and the Museum of Islamic Civilization, which contains artefacts from Turkish Islamic culture.

The mosque's main dome stands 72 metres high to symbolise the 72 nationalities that live in Istanbul.The building can hold up to 37,500 people, while the main door is the largest opening of any place of worship in the world.

The Rio 2 diffuse-light recessed outdoor linear profiles featured are drive-over up to 5000 kg and have a customized construction enabling them to be mounted on a square outer casing. They have been installed in the large front courtyard, the esplanade and to the right of the mosque and mark out the wide paved surface in a strict geometric pattern.

The light emitted by the profiles brings the large area to life and interacts not only with the faithful but also with tourists and visitors. In fact, the squares of light have taken on an "interactive" function that was completely unexpected, as they create a sort of luminous podium perfect for selfies and photographs against the stunning background of the magnificent mosque. This ambitious lighting project has achieved its objective of creating a significant experience not only inside the space dedicated to silence and prayer but also outside.

A number of Siri projectors, with rounded angles and anti-glare recessed optics, have been used to light the trees in the garden to the left of the mosque, giving volume to the green foliage: a very moving effect, in perfect symbiosis with the atmosphere of the place.

Rio / Rio 2 custom
power: 19W/m
colour temp.: 2200K
with customized
installation

Siri 3.0 custom
power: 23W
optics: 10°x45°
colour temp.: 2700K
finish: cor-ten
customized ver. DALI

Stele Dannunziana

Location
Pescara, Italy

Application
Paths and steps, Museums and exhibitions

Photography
Fabio Di Carlo

The imposing Stele Dannunziana towers above the Nature Reserve Pineta Dannunziana, an oasis of peace in the heart of the city of Pescara. The 67-metre-high obelisk was designed and built in just two months by the Pescara sculptor, engineer and artist Vicentino Michetti in 1963, to mark the 100th anniversary of the birth of the great poet Gabriele D'Annunzio. The distinctive monument, a symbol of the city's identity, stands in an open-air theatre on the edge of the pine wood and is made of reinforced concrete with a triangular star floor plan. Its surface is engraved with abstract geometric bas-reliefs inspired by the events in D'Annunzio's life and by his most famous works. The stele echoes previous and contemporary monuments dedicated to prominent figures. It owes its aesthetics to reinforced concrete, since it has a marked tapering that comes from three reinforced concrete "roots" that seem to protrude from the ground.

The obelisk's lighting was upgraded in collaboration with L&L Luce&Light. The use of Colorado outdoor linear profiles with built-in 230Vac power supply, capable of lighting particularly tall buildings, made it possible to accentuate the majesty and grandeur of the Stele. This was further facilitated by the adjustability of the lighting body on the Colorado 6.2 version, with 15°and 25° optics, which is surface mounted with brackets with two pivot points. The coloured light scenes are courtesy of multicolour high-intensity power RGBW LEDs and can be controlled through the DMX+RDM protocol. The results are particularly atmospheric and affecting thanks to the fixtures' extraordinary colour mixing and excellent lighting performance, while recessed optics ensure better visual comfort.

Installation in harsh saline environments such as this one is possible because of the combination of a body in Anticorodal low-copper-content aluminium, stainless steel brackets, and technopolymer end caps, ensuring excellent heat dissipation and outstanding corrosion resistance. In addition, the screen in grey-serigraphed and transparent extra-clear glass guarantees impact and scratch resistance (IK10).

Colorado 6.2
power: 85W
optics: 15°/25°
LED colour: RGBW

Scaligero Castle in Malcesine

Location
Malcesine, Verona, Italy

Application
Paths and steps, Facades

Light planning
lucearchitettura
(Lorella Marconi, Cinzia Todeschini)

Photography
Alessio Tamborini

Overlooking the north-eastern shore of Lake Garda, the Scaligero Castle in Malcesine, with its roots in the Middle Ages but dominated in later centuries by the Venetians, French and Austrians, has recently undergone a lighting redevelopment. The lighting design, the work of Lucearchitettura, has made the fortified structure even more captivating.

Built on three levels, accessible by internal paths, the castle features a tower with an irregular pentagonal floor plan and a casermetta (the Palazzo Veneziano), a lower building that once housed the castle guards. A little further on, a balcony juts out over the lake, 24 metres above the water's surface, allowing an expansive, evocative view of the lake and the surrounding mountains.

The castle is accessed through a new entrance, splendidly framed in light from Bright 2.4 fixtures, 5W 3000K 45° CRI>90, with built-in anti-glare hoods. Recessed into the ground at the feet of the entrance's two successive arches, the fixtures create depth, highlighting the cannonballs' rounded forms with dramatic chiaroscuro effects.

Beyond the entrance, two Ginko 2.0 projectors are installed in the wall: 5W 3000K and 4000K CRI>90, with 13°x52° elliptical optics in the first and 45° optics in the second, and asymmetrical snoots on both. They masterfully illuminate remnants of frescoes, probably the remains of a Scaligeri chapel. In the north-eastern corner of the courtyard, at the base of the tower, the same fixture, this time in a 3000K version with 45° optics, illuminates a 14th-century fresco depicting the Madonna and Child.

Rondò 2.1 step lights, 2W 3000K, with radial optics, are installed in the ground to illuminate the passageway connecting the first courtyard to the second, on the exterior of the Scaligeri residence, with their light extending to the low wall in front. The same fixtures light the perimeter of a raised space known as Rivellino, from which the village, lake and western flank of Mount Baldo can be admired. Today it is used to celebrate fairytale weddings, with a breathtaking view of Lake Garda. The passageways with vaulted ceilings are lit by Litus 1.6 recessed fixtures, 3.5W with diffuse optics

Bright 2.4
power: 5W
optics: 45°
colour temp.: 3000K
finish: stainless steel
anti-glare screen

Rondò 2.1
power: 2W
optics: radial
colour temp.: 3000K
finish: anthracite

Ginko 1.0
power: 3.5W
optics: 58°
colour temp.: 3000K
finish: anthracite

Ginko 2.0
power: 5W
optics: 45°/
13°x52°/34°
colour temp.: 3000K
finish: anthracite
asymmetrical snoot

Litus 1.6
power: 3.5W
optics: diffuse
colour temp.: 3000k

Stra 5.0 custom
power: 37W
optics: wall washer
colour temp.: Tunable
White 3000K- 5000K
IP68 outer casing

The third courtyard, the highest and northernmost, is reached by a ramp and through an impressive Scaligeri portal. Here, Ginko 1.0 projectors, embedded in the parapets, emphasise the stone's three-dimensionality and create a pattern of light on the wall below.

Such a complex design required a multi-level approach that fully respected the site and the surrounding environment, taking into account both the building's aesthetics and monumental nature, and the functional flow within the castle. Lucearchitettura's experience with restoring historic buildings and extreme sensitivity to the ancient site have given the entire castle a fresh look with a more respectful, restrained lighting scheme that doesn't alter the landscape's appearance. The small Ginko 1.0 projectors, 3.5W 3000K, with 58° optics, are a striking example of this. Completely contained in the thickness of the uprights under the handrail of the parapets, and with their anthracite finish helping them meld into the architecture, they create rhythm, spreading a soft light that caresses the pathways and extends to the opposite wall.

A soft light was also used for the two imposing 12-metre-high facades of the Palazzo Veneziano facing the lake and the Palazzo Scaligero in the intermediate courtyard. Stainless steel Stra 5.0 fixtures, 37W, in a customized Tunable White version (3000K–5000K), are recessed into the ground at a distance that reduces the contrasts of light and shadow produced by the stone's irregular surface. Their wall washer optics efficiently direct the light output towards the facade and up to the cornice, emphasizing the height of the walls.

Hypogeum of Santa Maria in Stelle

Location
Verona, Italy

Application
Museums and exhibitions

Light planning & Design
lucearchitettura
(Lorella Marconi, Cinzia Todeschini)

Historical consultation
ing. Luigi Antolini

Photography
Daniele Cortese

The hypogeum of Santa Maria in Stelle, located below the church of Santa Maria Assunta, in the heart of the Valpantena valley just east of Verona, is a very special archaeological site. It started as a Roman aqueduct built to capture the water from the spring that flows in that area. It has undergone many changes over the centuries, from a pagan sanctuary dedicated to water nymphs in the 3rd century AD to an early Christian place of worship and a mediaeval pilgrimage destination. In the 9th century, the hypogeum was consecrated by Pope Urban III and made suitable for liturgical celebrations.

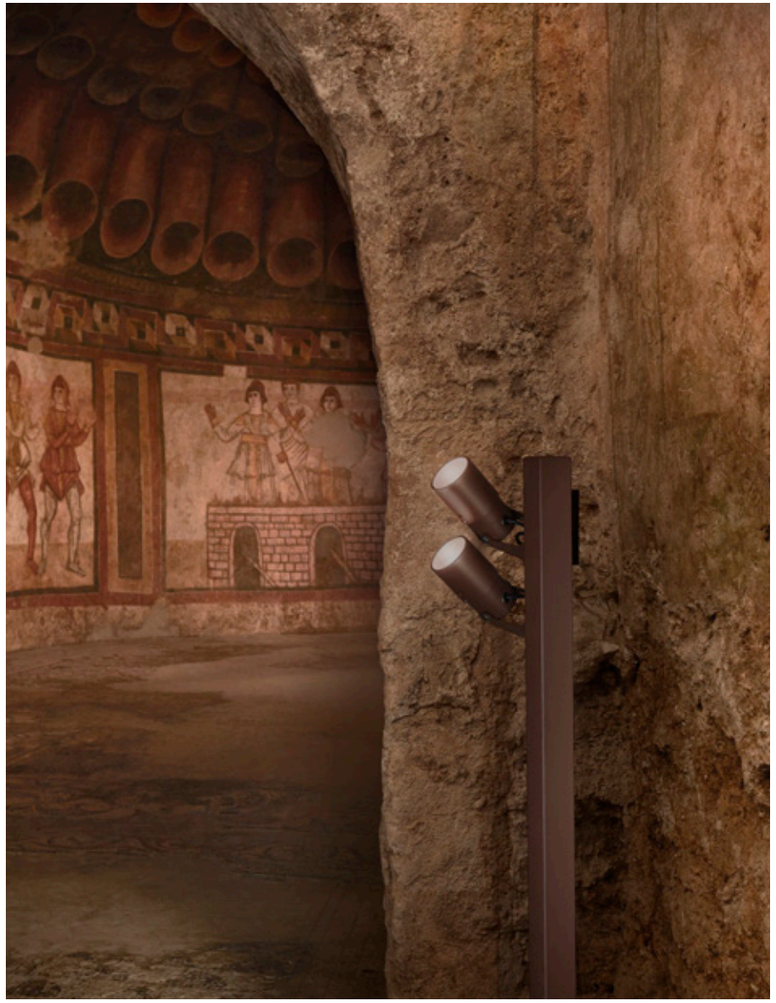
In 2020, in the final stage of a lengthy restoration project, the new lighting system was designed by Lucearchitettura of Verona, lighting designers Cinzia Todeschini and Lorella Marconi. The project's initial study and development was made possible by the collaboration of Ing. Luigi Antolini as a historical consultant for the site. The lighting system was designed to take visitors – a maximum of four at a time to keep CO2 levels under control – on an experiential journey. The lights, activated by the guide with an app, illuminate one scenario at a time, magically revealing the story.

A flight of stairs connects the entrance to the subterranean complex. At the foot of the stairs, a statue of Publius Pomponius Cornelius, the location's creator, is fully illuminated thanks to the 13°x52° elliptical optics of the Ginko 2.0 projector. In the passage, an indirect, diffuse light, dimmed to 30% and directed downwards, creates a contemplative environment that prepares visitors for the frescoed scenes. A single Ginko 1.0 projector (3.5W, 36°) shines a grazing light on a precise point on the wall halfway along the route, revealing the first important evidence of the hypogeum's transformation from a pagan place to a sacred one: an engraving made by Bishop Zeno depicting the Chi Rho, the early Christian monogram cross While you continue along the conduit towards the atrium, the latter is shrouded in darkness to emphasise the tunnel's visual continuation on the other side, where it is lit with a blue light to evoke the water that still flows, but whose only sign now is a gurgling sound. As you step into the atrium, the lights come up on the magnificently frescoed vault.

Here, as elsewhere, the significant constraints that an archaeological site of this kind brings with it have been skilfully overcome thanks to the creation of pedestals designed by Lucearchitettura. In this space, in fact – the first room with catechetical scenes and with a decorated ceiling – the vault and frescoes are lit by a number of Ginko 2.0 projectors (7W CRI >90 3000K, 34° and 45°), mounted on 900mm cor-ten-painted stainless steel poles positioned at the four corners of the room. The fixtures are fitted with snoots to avoid dazzling anyone standing close to them.

The southern cell embodies the hypogeum's dual soul: it contains a Roman altar with two inscriptions, pagan on the front, facing the entrance, and Christian on the back. It is set off with dramatic bilateral lighting through the use of two narrow-beam (11°) projectors. The north cell is the better preserved and has a unique subject on the ceiling: a motif of clay vaulting tubes, the building elements used in the construction of vaults and domes. To light the works in the north cell, two free-standing pedestals were used, equipped with nine projectors with different light emissions and colour temperatures.

The reliability and resistance to oxidation and corrosion of the material used in L&L Luce&Light's lighting fixtures were the factors that led to the choice of Ginko projectors for this location with its high humidity percentage.

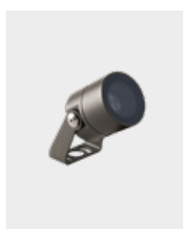


pedestals designed by lucearchitettura

Ginko 1.0
power: 3.5W
optics: 36°
colour temp.: 3000K
finish: cor-ten

Ginko 2.0
power: 7W
optics: 8°/13°x52°
colour temp.: 3000K
finish: cor-ten

Ginko 2.2
power: 5W
optics: 34°
LED colour: RGB
finish: cor-ten



Ginko custom
power: 2.5W-25W
optics: 11°-17°-34°-45°-68°
colour temp.: 3000K-4000K
finish: cor-ten
standard snoot

Juromenha Fortress: Historical heritage enhanced by sustainable lighting

Location
Juromenha, Alandroal, Portugal

Application
Facades

Light planning
Pedro Telhado, Light2Life

Photography
Helena Martins

Juromenha Fortress, in the municipality of Alandroal, is a monument of great historical value that has gone through several transformations over the centuries. Dating back to the Roman occupation, it played a crucial military role during the Islamic period and was conquered by the first Portuguese king in the 12th century. Its architecture has undergone work numerous times, particularly after the devastating earthquake of 1755. Today, the fortress stands majestically on the right bank of the Guadiana River, on the natural border between Portugal and Spain, in a strategic position that allows visitors to admire the landscape around it in every direction.

As the fortress stands in the Dark Sky Alqueva Reserve, a protected area committed to preserving the natural night sky, lighting it presented a fascinating challenge. The project was carried out in collaboration with a team from the Lisbon School of Architecture, and it aimed to enhance the restoration and ensure the monument could be seen from a distance without compromising the integrity of the surrounding environment or the visibility of the starry night skies.

From the outset, the design team planned to use warm lighting (2700K for the exterior walls and 3000K for the interior and the church), chosen to respect the limits for light pollution while still guaranteeing visitor safety. Light intensity was reduced to a minimum. The light output was precisely distributed by Ginko 2.0 fixtures, which were used with various optics, including elliptical ones. Horizontal elliptical optics were used along the exterior walls to ensure maximum uniformity, while vertical light beams were used for the towers and prominent corners. To further optimise light management, honeycomb louvres were built into the fixtures to reduce glare. These solutions have ensured uniform, efficient lighting that minimises light spills.
The lighting tests conducted on Portugal's National Castle Day confirmed the choice of technological solutions, which strictly comply with the Dark Sky Reserve standards. The use of finishes such as corten for the poles and the fixtures, together with the careful management of luminous fluxes, has guaranteed a perfect balance between enhancing the historical heritage and respecting the natural environment.

This project perfectly demonstrates how responsible, carefully designed lighting can protect historical heritage and respect the environment while at the same time offering a unique experience to visitors to the Juromenha Fortress, bringing out its beauty without compromising the natural night sky.

"Light2Life has worked with the Dark Sky Reserve team for many years. For the Fortaleza de Juromenha, the goal was to illuminate the building so that it would stand out for locals, the surrounding cities and visitors, while respecting the extremely sensitive environment of the Dark Sky Alqueva Reserve. The colour temperature was set at 2700K from the outset, and lux levels were adjusted after numerous detailed light tests. The final solution involved the use of 4-metre-long square corten light poles, with several Ginko 2.0 fixtures installed on all four sides. To ensure the greatest possible uniformity along all the outer walls, we used horizontal elliptical optics, while vertical optics were used to highlight the main corners and towers."– Pedro Telhado, Lighting Designer at Light2Life

Ginko 2.0
power: 7W
optics: 68°/
13°x52°/54°X15°
colour temp.: 2700K
finish: cor-ten

Linear 2.1
power: 4W
optics: asymmetrical
colour temp.: 2700K
finish: cor-ten

Rocchetta Mattei

Location
Grizzana Morandi, Bologna, Italy

Application
Museums and exhibitions

Light planning
arch. Beatrice Ferrieri

Photography
Fabio Bascetta

An enchanting labyrinth of towers, monumental staircases, reception rooms and private quarters that reference different styles. A fairytale palace that evokes mysterious emotions. This is the eclectic Rocchetta Mattei castle, located on the Northern Apennine Mountains and named after Count Cesare Mattei, who had it built in the 19th century on the ruins of the 13th-century Rocca di Savignano.

It is an architectural wonder, designed to complement Count Mattei's eccentric character and personality, in a multifaceted symphony of open and closed spaces that were conceived as an alternative to everyday life, a very personal escape from the industrial city of the late 1800s. The spaces are interpreted in a style that aims to be neo-mediaeval, but does not reject Moorish inspiration, and fiery Florentine, neo-romantic, Arab and Slavic influences.

The lighting design, entrusted to architect and lighting designer Beatrice Ferrieri, was developed with the aim of using light to guide, orient and enrapture visitors to this monumental maze of spaces that communicate with each other in a most unusual manner.

Inside the chapel room, Arabic Islamic elements, such as the arches inspired by those of the Mezquita in Cordova, interact with elements of the Italian mediaeval architectural tradition. Positioned on perforated brackets, compact Spot 1.0 projectors, with 3000K light and 40° optics, highlight the room's sumptuous details, enhancing the various theatrical effects charged with multiple meanings, Rocchetta Mattei's true stylistic hallmark.

Spot 1.0
power: 2W
optics: 40°
colour temp.: 3000k
finish: stainless steel

Lighting the new exhibition at the Castello di San Giorgio

Standing in the grounds of the Palazzo Ducale in Mantua, the Castello di San Giorgio is hosting a new exhibition that tells the story of the Mantuan Renaissance through more than seventy works that include paintings, sculptures and reliefs. This visual journey brings to life the grandeur of an era in which the city of Mantua became a reference point for the arts, with masters such as Andrea Mantegna leaving an indelible mark on the history of art. To enhance every detail without compromising the castle's ambience, a carefully calibrated museum lighting system has been designed, using Krill projectors for the interior spaces and Spot projectors for the external courtyard. These minimalist, compact fixtures precisely shape the light, revealing the depth of the works without altering their visual integrity. Krill fixtures, with their controlled beam, precisely illuminate the works on display inside, while Spot projectors, installed on the columns outside, enhance the sculptures and historical remains along the corridors, as well as highlighting the arches and frescoes of the portico, restoring the majesty of the Renaissance architecture.

The lighting fixtures' 3000K colour temperature has been chosen to emphasise the warm tones of the works, while their high colour rendering index (CRI90) ensures a perfect rendering of the colour shades, faithfully revealing every detail. The use of narrow, well-defined beams of light guides the visitor's gaze, emphasising the details on the sculptures and bringing out the three-dimensionality of the works. The fixtures' careful positioning guarantees optimal visual comfort, avoiding glare and light spill, and offering an immersive museum experience that fully respects the artistic heritage. During the design phase, every detail was carefully studied to guarantee the optimal arrangement of the lighting fixtures based on the specific needs of each space. The lighting in the exhibition areas is designed to enhance every element, from monumental works to the smallest objects. During installation, the position of each fixture was accurately adjusted to ensure uniform light distribution, minimising unwanted shadows and reflections, and ensuring clear and precise illumination of each work. Finishes were selected based on the architectural context: black and white for the Krill projectors, while the Spot fixtures have a customized Antique white finish, chosen to blend in with the historical architecture.

Thanks to meticulously designed lighting, the new exhibition at the Castello di San Giorgio comes to life under a light that respects, enhances and guides the exploration of the artistic and architectural heritage of the Mantuan Renaissance.

Location
Mantova, Italy

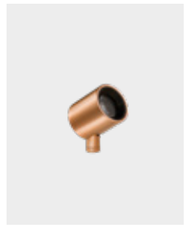
Photography
Germano Borrelli

Application
Museums and exhibitions

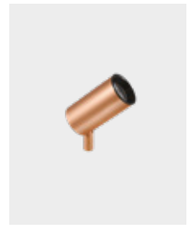
Spot 3.4
power: 15W
optics: 39°/55°
colour temp.: 3000K
finish: RAL9001

Spot 4.4
power: 22W
optics: 56°
colour temp.: 3000K
finish: RAL9001

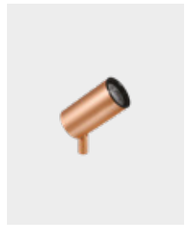
Castello di San Giorgio, Ducale Palace



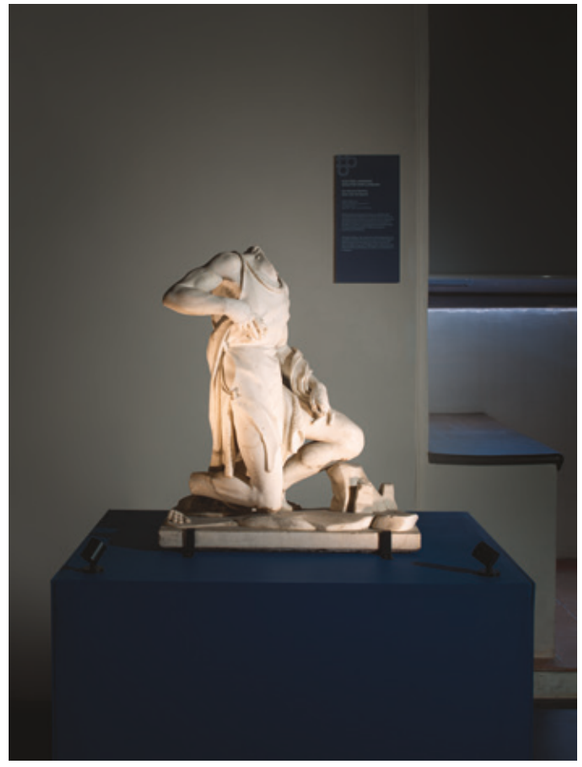
Krill 3.0
power: 4.5W
optics: 16°/23°/
33°/42°
colour temp.: 3000K
finish: black



Krill 4.0
power: 9W
optics: 21x55°
colour temp.: 3000K
finish: black



Krill 4.4
power: 9W
optics: 17°-39°
colour temp.: 3000K
finish: black



Hospitality

The Editory Riverside Santa Apolónia Hotel

Location
Lisbon, Portugal

Project
Saraiva+Associados

Application
Facades

Light planning
Astratec

The five-star Editory Riverside Hotel is housed in the Santa Apolónia station, one of Lisbon's most emblematic buildings. The station is Portugal's oldest railway terminal and still sees countless travellers passing through it every day.

In giving it a new lease of life in the hospitality sector, the architectural practice of Saraiva+Associados developed the concept starting from the idea of this place as the outward and return point of a train journey. The interior design and the furnishings call to mind tales of departures, goodbyes, migrations, adventures, homecomings and new beginnings.The architectural project took care to preserve the characteristic features of this Neoclassical building, built in 1865. These features include the clean lines of the facade, now an iron oxide colour that contrasts with and emphasises the stone details.

The facade lighting, designed by Astratec lighting consultants, uses a two-part lighting scheme to underline its architectural shapes simply and elegantly. The first marks the vertical lines of the angular ashlar work with Intono 2.1 wall-mounted fixtures with 11° optics. The same narrow beam is used in the Spot 1.0 projectors on the sides of the tall windows that open onto the balconies on the first floor. The second part of the scheme uses the semicircular light of Lyss projectors to outline the internal profiles of both the entrance arches at the corner of the building and the windows on the first floor. The latter are lit by the compact version Lyss Mini 1.0, tucked away out of sight in the corners of the sills. Finally, Spot 1.0 projectors pick out the inner perimeters of the two gables housing the large clocks.

Intono 2.1
power: 6W
optics: 11°
colour temp.: 3000K
finish: white

Lyss 1.0
power: 7W
optics: satin 20°x180°
colour temp.: 2700K
finish: grey

Photography
Nicole Sánchez

Spot 1.0
power: 2W
optics: 10°
colour temp.: 3000K

Lyss Mini
power: 3W
optics: satin 9°x160°
colour temp.: 3000K
finish: white
with base for corners

The Sculpture Forest, The Well spa & hotel

The luxurious The Well spa and hotel is located just a few minutes from the centre of Oslo. At 10,500 m2, it is Scandinavia's largest spa and bathing centre, with 11 indoor and outdoor pools, 15 saunas and steam rooms, over 100 showers, waterfalls, a Japanese bath house, a Turkish hammam, rhassoul treatments and numerous relaxation rooms. The Well also offers fine dining, and guests can enjoy traditional and fusion cuisine interspersed with moments of relaxation in a complex entirely dedicated to their physical and psychological wellbeing.

The largest resort in the Nordic region is nestled in the heart of a peaceful pine forest. The rooms are decorated in a Norwegian style with meticulous attention to every detail. While each one is different, they all face onto the forest, creating a connection with the vegetation. The proximity to this vast coniferous forest, which changes with the seasons almost like a living work of art, was an important consideration in the entire process of building the hotel and offering the wellbeing that comes from a total immersion in nature. Influenced by spa traditions and culture from all over the world, the resort provides a tranquil space that nurtures your mind, body and soul.

In the wooded area, 30 life-size sculptures have been scattered strategically along a lighted pathway. The trail, which is about 300 metres long, was given emphasis with a design by SML Lighting and the choice of Linear 2.1 outdoor bollards, 8.5W 3000K, with an asymmetrical light output, a custom height of 1000 mm and anthracite finish in a customized DALI version, which demarcate and illuminate the sinuously curved path.

To light the statues, Ginko 2.0 projectors, 7W 24Vdc 3000K, were installed with 34° and 45° optics, honeycomb louvres and asymmetrical snoots. Two different installation methods were used for the fixtures: mounted on the ground with stakes or fixed to tree trunks with fastener straps, in order to obtain two different lighting effects. Ginko projectors were specifically designed to light plants, trees and features in gardens and parks, and they offer great versatility and a variety of light outputs, while their body is made of low-copper-content aluminium alloy for excellent resistance to corrosion.

Location
Sofiemyr, Norway

Application
Landscape

Light planning
SML Lighting

Executed by
Ski Elektriske AS

Landscape design
Villvin Landskap AS

Photography
Dag Sandven

Ginko 2.0
power: 7W
optics: 34°/45°
colour temp.: 3000K
finish: anthracite
with honeycomb louvre,
asymmetrical snoot,
spike / fastener strap

Linear 2.1 custom
power: 8,5W
optics: asymmetrical
colour temp.: 3000K
finish: anthracite
version with custom
height (1000 mm)

Duckpin

Location
Oslo, Norway

Application
Facades

Light planning
SML Lighting

Executed by
HGN Elektro AS

Interior design
Monn Interior Architects

Photography
Dag Sandven

A new meeting place for fans of bowling and good food has opened in the centre of Oslo, on Torggata. This short street in the heart of the Norwegian city is only open to pedestrians and cyclists and is famous for its large number of trendy bars and restaurants.

The new place, called Duckpin, is a restaurant and recreation venue with rooms entirely dedicated to mini duckpin bowling. The shorter lanes, smaller balls, squatter pins and absence of the classic lace-up shoes with slippery soles of this bowling variation sit comfortably in the American industrial interiors with their wooden tables and soft sofas. The venue is the first in Europe to offer this unusual combination of a different form of entertainment and delicious dining opportunities in the same venue.

Duckpin is an opportunity to socialise that arose as a response to the pandemic, in which people found themselves shut away in their own homes for months at a time. It offers a wide range of delicious specialities, with an ever-changing American fusion menu based on culinary delights conjured up from sizzling charcoal grills.

Much time and effort was also invested in designing the spaces and the lighting: the building's classic-style facades are foregrounded by the light from Neva 7.0 and Neva 7.2 linear profiles, with 18° optics and mounted on 140-mm-high adjustable graduated brackets. Their minimalist design, recessed optics for excellent visual comfort and, last but not least, installation on brackets makes them ideal for use as architectural lighting. Neva comes in several versions, the main difference being the colour of the LED sources they contain – for this project, SML Lighting chose the RGBW version to give the venue owners the possibility of creating different lighting scenes with plays and accents of coloured light to brighten up the exterior walls overlooking Oslo's busiest street.

Neva 7.0 / 7.2
power: 30W/75W
optics: 18°
LED colour: RGBW
with brackets

La Villa Madie

La Villa Madie stands on the promontory that dominates the little French town of Cassis. This top- class restaurant, which looks out over the Mediterranean Sea, specialises in innovative cuisine created using local, seasonal ingredients. Run by chef Dimitri Droisneau and Marielle Droisneau, partners both at work and in life, the restaurant has held two Michelin stars since 2014.

The French practice Mise en Scène Éclairage worked together with VinJay-Studio to create a lighting project designed to bring to life the park that surrounds the building. To do this, they chose lighting fixtures with a high colour rendering index (CRI >90), to bring out the green tones of the vegetation. To light the tall maritime pines, they chose Stra P 1.0 projectors, fixed in the ground with stakes and directed upwards to light the trees' gnarled trunks and foliage, as well as their characteristic interweaving branches. The projectors' 37W power pushes the light to the top of the trees, creating a magical atmosphere in which the interlaced branches stand out against the blue tones of the sky at dusk.

A simple portico protects the entrance to La Villa Madie: it is marked by Flori 1.0 projectors fixed to the structure's wooden beams and directed at the paving. The area is surrounded by a luxuriant garden in which low shrubs edged by stone flowerbeds share the space with tall trees. On sunny summer days, the latter cast welcome shade on the small square in front of the entrance to the restaurant. When evening falls, the vegetation is accentuated by lighting solutions in harmony with those used for the maritime pines. Here, too, the designers opted for bottom-up lighting, choosing smaller, lower-wattage projectors than the Stra P 1.0 – are fixed in the ground with stakes, pointing their light beams at the trees' trunks and foliage.

Location
Cassis, France

Application
Landscape

Project
VinJay-Studio

Light planning
Mise en Scène Éclairage

Delivered by
Mise en Scène Éclairage

Executed by
VinJay-Studio

Photography
Lisa Ricciotti

Projector custom
for outdoor applications
power: 20W
optics: 38°
colour temp.: 2700K
finish: cor-ten
spike for in-ground
installation

Flori 1.0
power: 7W
optics: 31°
colour temp.: 2700K
finish: cor-ten

Stra P 1.0
power: 37W
optics: 30°
colour temp.: 2700K

Winery in Colceresa

Location
Colceresa, Italy

Application
Paths and steps, Facades

Photography
Alessio Tamborini

Illuminating the essence of terroir

In the heart of the Colceresa hills, nestled among the rows of vines and ancient olive trees, there is a winery that combines tradition with a modern-day vision. The place speaks of the deep bond between wine and terroir, where the restoration of existing rural structures has given rise to a modern, inviting architecture, designed to elevate the experience of wine tasting and good company. The lighting design is an integral part of this narrative. It has been planned to respect the identity of the place and blend unobtrusively with the landscape.

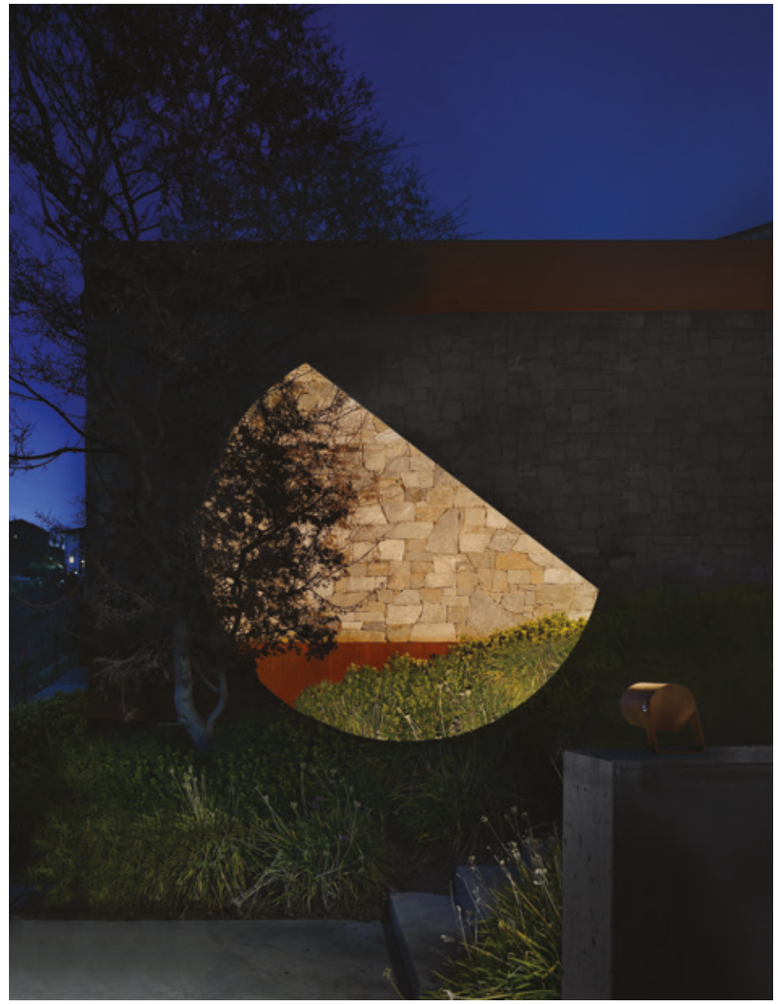
For the outdoor hospitality areas, such as the terrace and the shared spaces, Altopiano S and Altopiano C were chosen. These fixtures, made of corten, interact with the winery's natural materials and warm tones, blending perfectly with their surroundings and recalling the colours of the earth and vegetation.

Elsewhere, Pivot B projectors melt into the landscape, enhancing nature's spontaneous beauty without altering its essence. The gentle movement of the grasses and the geometry of the Mediterranean bushes and large olive trees emerge delicately, enveloped in a light that amplifies their beauty without disturbing their harmony.

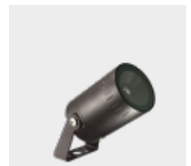
Particular attention has been paid to the entrance to the winery, where a Ginko 3.5 with Light Shaper transforms light into art. Its theatrical effect traces the shape of a large moon behind the maple tree, which, when deprived of its leaves in winter, is dressed instead in light. The beam shaper of the Light Shaper optics precisely moulds the light output, creating unique, atmospheric scenes.

Inside, in the cellars, Trevi linear profiles, designed to withstand the humidity and temperature changes typical of these spaces, guarantee diffuse, homogeneous lighting. Their discreet presence emphasises the texture of the walls, helping to create a refined, immersive atmosphere.

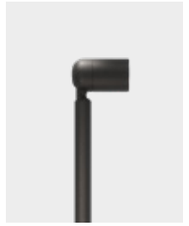
Altopiano C 1.1
power: 8W
optics: 50°
colour temp.: 3000K
finish: cor-ten



Altopiano S 1.1
power: 8W
optics: 50°
colour temp.: 3000K
finish: cor-ten



Ginko 3.5
power: 15W
optics: light shaper
colour temp.: 2200K



Pivot B 1.9 / 2.9
power: 7W/14W
optics: 45°/
optical range 15°-43°
colour temp.: 3000K
finish: white

Naka 2.0
power: max. 2W
optics: asymmetrical
colour temp.: 3000K
finish: black

Magari Estates Hotel

Location
Colognola ai Colli, Verona, Italy

Application
Facades

Project
lucearchitettura
(Lorella Marconi, Cinzia Todeschini)

Light planning
lucearchitettura
(Lorella Marconi, Cinzia Todeschini)

Magari Estates is a modern boutique hotel that nestles among the vineyards on the Val D'Illasi hills in the province of Verona. This inviting complex is the product of a careful restoration of a 16th-century hunting lodge that has preserved all the farmhouse's original charm, with its stone walls and exposed wooden beams on the ceilings. These features have been enhanced by the lighting design developed by Lucearchitettura in Verona, in the guise of lighting designers Cinzia Todeschini and Lorella Marconi.

Ginko 2.0 and 3.0 projectors with elliptical optics, fixed to the roof's load-bearing beams, are directed downwards to light the walls of the internal courtyard with a wall-grazing effect that highlights the rough surface of the stonework. Meanwhile, Ella OUT wall-mounted fixtures are mounted on the facades facing the vineyards and the swimming pool. Ella OUT 2.0 fixtures light the restaurant's external porch and mark the entrance to the Spa by the pool, while smaller Ella OUT 1.0 fixtures illuminate the first-floor terraces overlooking the vineyards. All the fixtures were chosen in a cor-ten finish to harmonise with the simple colour palette of their surroundings: the pale beige walls and dark brown exposed beams of the pergola and the roof structure.

Ginko 2.0
power: 5W/7W
optics: 47°,
54°x15°-13°x52°
colour temp.: 3000K
finish: cor-ten,
anthracite

Ginko 3.0
power: 10W
optics: adjustable
28°x72°
colour temp.: 3000K
finish: cor-ten

Pivot Mini 1
power: 3.5W
optics: 35°
colour temp.: 3000K
finish: anthracite

Photography
Alessio Tamborini

Ella Out 1.0 / 2.0
power: 7W/16W
optics: diffuse
colour temp.: 3000K
finish: cor-ten

Former Convent of San Panfilo

Location
Spoltore, Pescara, Italy

Project
arch. Carmela Palmieri,
studio CASa Associati

Spoltore, near Pescara, dates back to the Middle Ages, its centre standing on a hill that dominates the entire surrounding area. Located between the Abruzzo hills and the sea, this sleepy-looking little town is steeped in history, art and culture. The former Convent of San Panfilo is one of its treasures. It was built by the Benedictines in the 11th century as a monastery and remained as such until 1866, when it was secularized, along with many other ecclesiastical properties. The structure underwent a major metamorphosis in the 15th century, when the Franciscans altered the monastery's appearance according to the stylistic dictates of the period. They enriched it with numerous Baroque-style decorations and transformed the interior layout into the current one with three wings and a central cloister. The building was purchased by the Cerulli Irelli family in 1892, officially becoming a private residence in 1912.

Restoration work on the entire complex, entrusted to the architects Armillotta, Palmieri and Santomauro of CASaAssociati, returned the building to its former glory and made it suitable for tourism, agritourism and accommodation activities. The work respected the complex's history and existing architecture: the original structures have been preserved and new areas created that blend seamlessly with the old. The objective of the restoration was to avoid any damage to the architectural and artistic heritage while giving the building all the necessary functional aspects required by the client.

As for the lighting design, the aim in the internal area – the cloister demarcated by the Convent and the church – was to highlight certain architectural features, such as the groin vaults, the bays and the capitals, while keeping the frescoed walls unaltered and unobstructed. Ella Out outdoor wall lights were therefore used. Facing upwards, they do not directly project light onto the vaults and frescoes but illuminate them uniformly with reflected light while also giving a certain rhythm to the space. The typical colour of the building's bricks is echoed in the red-brown of the fixtures' cor-ten finish, helping them to blend in perfectly with the architecture and the context. In the cloister's inner perimeter, Ginko 2.0 projectors, with 11° narrow optics, positioned beneath the mullioned windows, provide ambient lighting, while other Ginko 3.0 projectors, with 30° optics, placed in the four corners of the cloister, produce a direct light that illuminates the central element, the well.

Many more projectors are installed in the cellar. These are Spot 2.4 fixtures, 3000K, 58°, with an anthracite finish, chosen for their resistance to corrosion, which makes them suitable for use in damp environments. They are directed at the vaulted brick ceilings and create a warm, diffuse light that adds height to the environment and welcomes visitors to the tasting sessions. To light the portico overlooking the garden, two types of Geko outdoor wall-mounted fixtures were installed on the columns. On the exterior of the portico, Geko 5.1 single-beam fixtures, with 10° narrow optics, point downwards, enhancing the columns' length; inside, Geko 6.0 double-beam fixtures, with diffuse light, draw attention to the ceiling's slightly rounded forms. The Geko wall- mounted fixtures' cor-ten finish, shared with the Ella Out fixtures installed in the cloister, ensures that the fixtures blend in with the architecture to create a uniform look across all the surfaces.

Ella Out 2.0
power: 16W
optics: diffuse
colour temp.: 3000K
finish: cor-ten

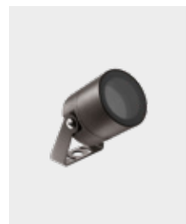
Spot 2.4
power: 8W
optics: 58°
colour temp.: 3000K
finish: anthracite

Photography
Fabio Di Carlo

Geko 5.1
power: 10W
optics: 10°
colour temp.: 3000K
finish: cor-ten

Geko 6.0
power: 28W
optics: diffuse
colour temp.: 3000K
finish: cor-ten

Ginko 2.0
power: 5W
optics: 11°
colour temp.: 3000K
finish: cor-ten



Ginko 3.0
power: 15W
optics: 30°
colour temp.: 3000K
finish: cor-ten

The most striking element of this hotel in the centre of Porto is undoubtedly the square recesses that frame the rooms' large windows. To accentuate these, the lighting design studio elected to place a Lyss Mini 1.0 fixture in one of the lower corners of each, so that, as the light reaches the opposite side of the frame, it follows the gradations of its volume that gradually level with the plane of the façade.

In the entrance area, a series of Beam 1.0 fixtures recessed into the paving, level with the window posts, mark out the windows and generate indirect light from the canopy.

Also on the ground floor, the pavement in front of the steps that lead up to the entrance has been decorated with segments of diffused light recessed flush with the ground: these are drive-over Rio 2 linear profiles in PMMA and 316L stainless steel, used here in a variety of lengths. The photos on this page show how Rio has also been used to draw attention to the hotel sign and the geometric iron motifs, and to add character to the paving in the garden at the back.

Location
Porto, Portugal

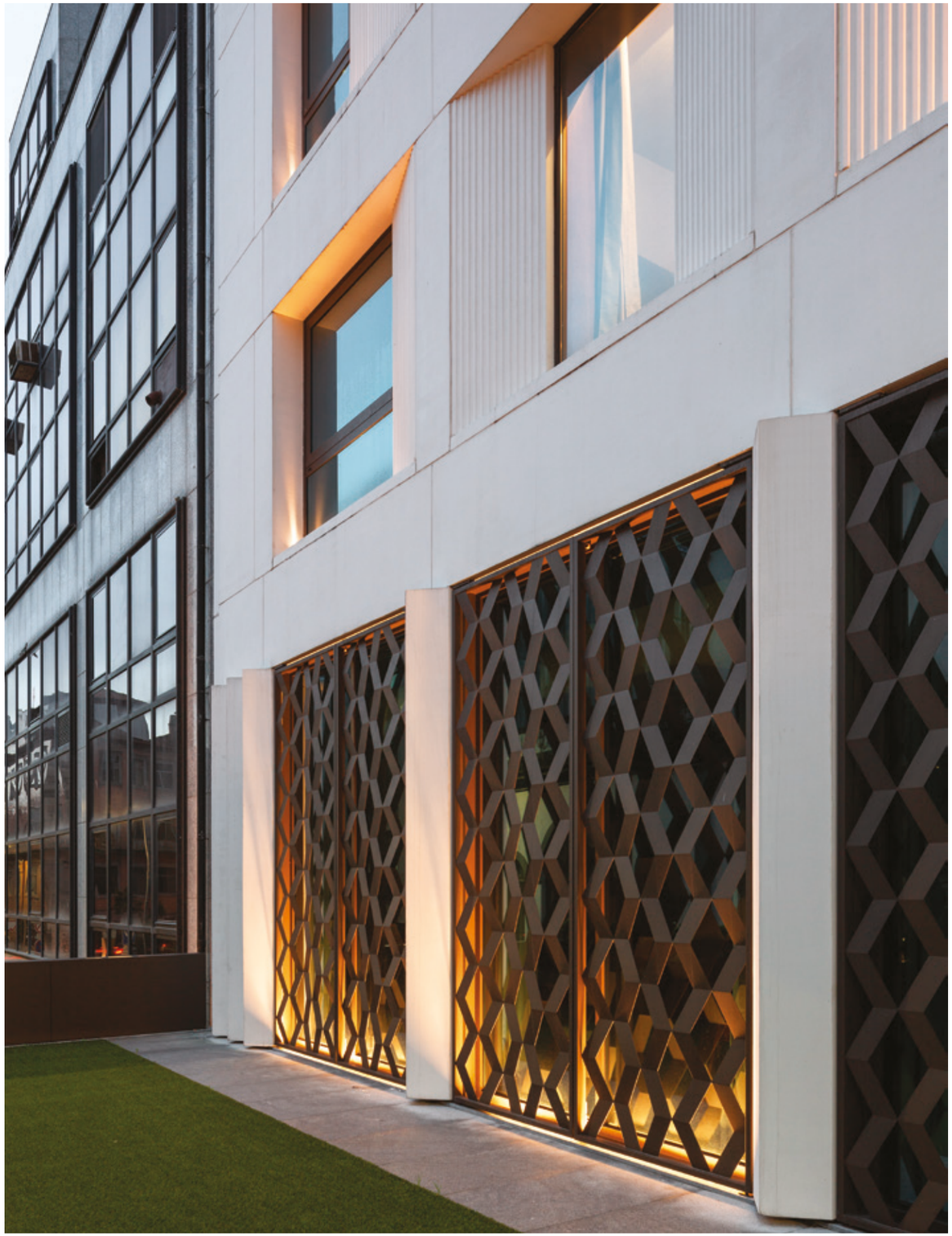
Application
Facades

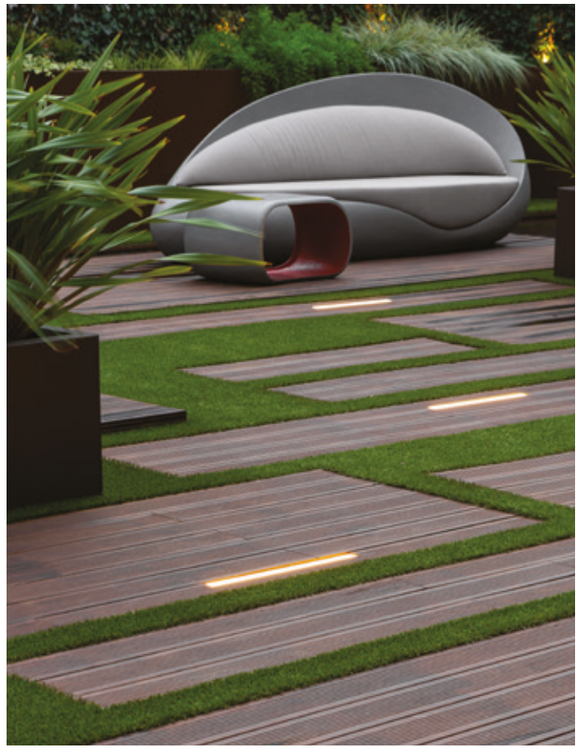
Project
STOA arquitectura

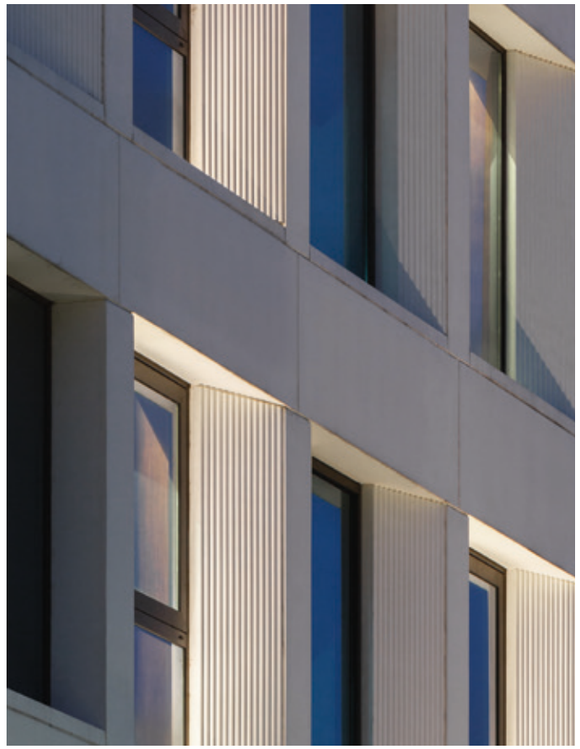
Light planning
Light2Life

Beam 1.0
power: 3W
optics: 8°
colour temp.: 2700K
finish: stainless steel

BessaHotel Baixa







Photography
Alexander Bogorodskiy

Lyss Mini
power: 3W
optics: satin 9°x160°
colour temp.: 2700K
finish: cor-ten
with base for corners

Rio / Rio 2
power: 19W/m
colour temp.: 2600K-2800K

Hotel Bristol

This hotel was recently renovated, a project that preserved the traditional identity of the structure opened almost a hundred years ago, in 1929, by Thon Hotels, one of Norway's largest hotel chains.

The lighting design devised by SML Lighting involved the exteriors of the two buildings at the intersection of Kristian IV's and Rosenkrantz' gate, using light to highlight the first floors of both facades, one historical and the other decidedly more modern. The lighting effect obtained in this way creates a sort of visual continuum that leads the eye of passers-by down a long urban perspective.

For the rose-coloured building, with its large four-part windows and period lanterns fixed to the wall on the ground floor, Trevi linear profiles with 20°x50° elliptical optics were chosen in lengths of 1208 mm and 1803 mm. These are fixed to the belt course and arranged between the windows on the first floor.

For the facade of the other building, a total of 26 Lyss Mini 1.0 projectors, mounted on the belt course separating the ground and first floors, emit a semicircular light that emphasises the concrete ribs forming this building's distinctive grid structure. The projectors' thermally conductive technopolymer body guarantees excellent resistance to corrosion and temperatures as low as - 20°, making the fixture the ideal choice for Scandinavian latitudes.

Lyss Mini
power: 3W
optics: satin 9°x160°
colour temp.: 3000K
finish: anthracite

Location
Oslo, Norway

Application
Facades

Light planning
Ida Hågensen (SML Lighting)

Delivered by
SML Lighting

Photography
Tomasz Majewski

Trevi 1.1 / 1.2
power: 14W/21W
optics: 20°x50°
colour temp.: 3000K

Botaniq Castle

Location
Tura, Hungary

Light planning
3F Project

Application
Facades

Photography
Hlinka Zsolt

Botaniq Castle in Tura, Pest County, Hungary, has been returned to its former glory after a restoration that involved transforming the entire building from an erstwhile aristocratic residence into a modern luxury hotel. The lighting design for the exteriors was carried out by Budapest- based lighting design studio 3F Project.

In the main entrance, customers are greeted by an imposing arched entrance flanked by a tall, cylindrical tower with a series of rectangular windows along its whole height. On the sills of each window in the entrance and the tower, and on those of the arched dormer windows, 3000K, 7W Lyss 1.0 projectors were installed. Their 20°x180° frosted optics create a semi-circular blade of light that emphasises the windows' internal profile.

The castle complex includes a building with a square floor plan that houses the restaurant. Each of its sides is further embellished by three large windows overlooking the terrace and outdoor pool. To emphasise the stone balustrades that mark the contours of this building, 3000K Trevi linear profiles with 40° optics were used, in different lengths. The same lighting solution was adopted to light the other stone parapets that outline the castle's walls.

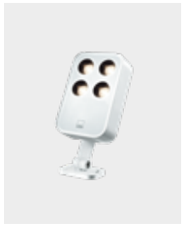
On the first floor of the structure housing the restaurant, 3000K, 16W Siri 2.0 projectors, with 40° optics in a customized DALI version, are directed at the circular windows, with their curved cornices adorned with stone coats of arms.

The renovation also included the extensive park, made up of over ten hectares of greenery that frame this magnificent hotel. The project aimed at restoring these grounds to their original form of an English landscape garden, by planting new trees and renovating the old paths that used to cross the lawns. To light these paths, 3000K, 12W Plin 2.1 bollards were installed at regular intervals. These feature a 90° tilted head that holds the light source with diffuse asymmetrical optics.

Bright 2.8
power: 3.5W
optics: 41°
tiltable ±15°
colour temp.: 3000K
finish: grey

Lyss 1.0
power: 7W
optics: satin 20°x180°
colour temp.: 3000K
finish: grey

Plin 2.1
power: 12W
colour temp.: 3000K
finish: anthracite



Siri 2.0 custom
power: 16W
optics: 40°
colour temp.: 3000K
finish: grey
customized ver. DALI

Step Outside 6.3
power: 2W
optics: asymmetrical
colour temp.: 3000K
finish: satin

Trevi 1.0 / 1.1 / 1.2
power: 7W/14W/21W
optics: 40°
colour temp.: 3000K

Residential

Caméo Moscow Villas

Location
Moscow, Russia

Application
Paths and steps

Project
Architectural Bureau WALL

Light planning
KA2 Light Architecture

Landscape design
Arteza

This large residential complex, in Moscow's central Tverskoy district, is made up of seventeen private villas, the work of Architectural Bureau WALL. A different architectural solution was developed for each building's facade, consisting sometimes of walls with arches repeated on several levels, sometimes of elevations consisting of rectangular spaces. The green spaces were designed by landscape design studio Arteza, which structured the communal garden with plenty of plants and shrubs arranged in flowerbeds: the seasonal changes in the chosen vegetation's foliage colours balance the white marble facades of the villas.

KA2 Light Architecture contributed to the complex's lighting design with its choice of Plin 1.1 bollards in an anthracite finish and a customized height of 50 cm for the garden area. The bollards, with their simple and minimalist design, feature a head angled at 45° for a controlled downward light emission. Positioned at the edge of the flowerbeds, the fixtures illuminate the walkways, ensuring the safety of the paths leading to the entrances to the villas.

Plin 1.1 custom
power: 12W
optics: diffuse
colour temp.: 3000K
finish: anthracite
height: 500mm

Historic villa in Brianza

Location
Lecco, Italy

Application
Paths and steps, Facades

Light planning
Germano Monguzzi,
WAVE Light Studio

Photography
Germano Borrelli

Lyss 1.0
power: 7W
optics: 20°x180°
colour temp.: 4000K
finish: anthracite

This historic villa in the heart of Brianza reflects the timeless charm of the 17th-century homes of the aristocracy. Redesigned in the 19th century by architect Achille Majnoni, the villa strikes a perfect balance between architecture and landscape as it nestles in scenery of extraordinary beauty. Its classic Italian-style gardens, some of the last in Brianza, wend their way around boxwood mazes, majestic cypresses, ancient mulberry and cork trees, and charming statues that punctuate the spaces with refined elegance.

To enhance this historical heritage without altering its essence, the lighting design, realized by WAVE Light Studio, followed the principle of achieving total harmony with the location. The illumination, discreet and never invasive, integrates with the environment to elevate the architecture and vegetation, guaranteeing a perfect fusion between ambience and visibility.

Paths and greenery have been emphasised with small, compact lighting fixtures with customized finishes to help them blend in. For the light-coloured gravel path that leads to the villa, crossing the arched corridors with trees and the boxwood mazes, Smoothy fixtures are used with honeycomb louvres to control glare. Their soft light guides visitors without creating visual interference and naturally emphasises the gardens' perspectives and volumes.

In the courtyard, where ancient mulberry trees frame tables and seats, Smoothy fixtures are flanked by Spot fixtures in jasper green. The latter have been installed directly in the trees using the Tree Belt and blend harmoniously with the surrounding vegetation. To illuminate the hornbeams along the driveway, Spot have been used with 4-metre-high supports, hidden among the trunks with a customized dark brown RAL finish, to provide a discreet, natural lighting effect.

In the internal garden, the light from jasper green Ginko fixtures emphasises the curves and three-dimensionality of its sculptural bonsai pines without altering the space's natural harmony. On the windows overlooking the courtyard, Lyss fixtures highlight their frames and architectural elements with precision, creating a refined play of light and shadow that emphasises their depth.

Today, most producers of electronic appliances operate following this scheme: they remove natural resources from the Earth, create products from them, and sell them to customers that use them and eventually send them to the landfill. In the best-case scenario, contaminants are properly disposed of and some of the materials are recycled. V-ZUG has embraced a completely different philosophy. By teaming up with researchers, suppliers, business and technology partners, recycling companies, and customers themselves, it has been developing a new business model, in which appliances and their components are kept in a circular flow for as long as possible to save resources and energy. The revolution has just begun.

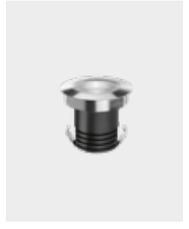
"In such a captivating residence, inspiration can only come from the place itself. We aimed to illuminate it discreetly – enhancing the site's extraordinary beauty without altering its charm. Luce&Lights products were carefully selected for their anti-glare characteristics, the variety of finishes and the ability to customize every element, guaranteeing the best light output in harmony with the architecture and the landscape."– Germano Monguzzi, CEO of WAVE Srl Light Studio.

The lighting of this villa in Brianza becomes a tale of light, guiding the eye and the emotions while honouring the site's history and natural surroundings with timeless elegance.

Ginko 2.0
power: 5W-7W
optics: 17°
colour temp.: 4000K
finish: jasper green
standard snoot,
spike for in-ground
installation

Spot 2.4
power: 8W
optics: 58°/58°-21°
colour temp.: 4000K
finish: jasper green,
RAL8014
asymmetrical snoot,
spike / fastener strap

Spot 3.4
power: 15W
optics: 15°-55°
colour temp.: 4000K
finish: anthracite
standard snoot,
spike for in-ground
installation



Smoothy 1.6
power: 3.5W
optics: 48°
colour temp.: 4000K
finish: stainless steel
anti-glare shield

Smoothy 5.4
power: 10W/13W
optics: 21°/55°
colour temp.: 4000K
finish: stainless steel
honeycomb louvre

Smoothy 5.6
power: 7W
optics: 11°/45°
colour temp.: 4000K
finish: stainless steel
honeycomb louvre

Private Residence in Positano

Location
Positano, Salerno, Italy

Application
Facades

Rio / Rio 2
power: 19W/m
colour temp.: 2800K

Spot 1.0
power: 2W
optics: 20°
colour temp.: 3000K

Step Outside 6.3
power: 2W
optics: asymmetrical
colour temp.: 3000K
finish: satin

Geko 5.1
power: 10W
optics: 7°
colour temp.: 3000K
finish: grey

Geko 6.1
power: 20W
optics: 7°/70°
colour temp.: 3000K
finish: grey

Corte Bertesina

Location
Vicenza, Italy

Application
Paths and steps,
Fountains and swimming pools

Project & Light planning
traverso-vighy architetti

Photography
Alessandra Chemollo

Corte Bertesina is an organic farm, located a few kilometres outside Vicenza, that has been the subject of a redevelopment project to achieve all-round sustainability. The project is the work of the traverso-vighy architetti architectural practice, which has restored and transformed the original structure of this typical nineteenth-century Venetian farm courtyard.

The development of a social farming project, which started in 2010 to offer job opportunities to young people with Down syndrome, has led to the complex restoration of the Corte. It has culminated in the creation of entirely new spaces, intended for production, sales, teaching and agritourism activities, that sit alongside the owners' private quarters.

The traverso-vighy architetti architectural practice was responsible for the lighting planning, setting itself the objectives of energy conservation, light-pollution control and the occupants' wellbeing.

Neva Mini 2 linear profiles, bracket mounted on the structural beams, light the shingles on the roof with a wash that creates a unique decorative effect. Neva 1.1 LEDs are installed indoors, in the private quarters, to draw attention to the modular panelling, and, in the study, completely recessed in the niches to light up their depths.

The lighting in the external areas has been designed to interfere as little as possible with the night- time darkness of a farming environment: Beam 2.0 fixtures pick out the driveway entrance, while Trevi fixtures are integrated into the pool of water in the courtyard to pick out the long wall of local stone.

Beam 2.0
power: 2W
optics: single beam
colour temp.: 3000K
finish: stainless steel

Neva 1.1 / 1.2
power: 27W/45W
optics: 11°
colour temp.: 3000K
with brackets and white anti-glare shield

Neva Mini 2
power: 5.5W
optics: 11°
colour temp.: 3000K
with brackets

River Wall 2.0
power: 40W
optics: 11°
colour temp.: 3000K
with brackets

Trevi 1.2
power: 32W
optics: diffuse
colour temp.: 3000K

Circle Wood

Location
Izabelin, Warsaw, Poland

Project
Przemek Olczyk, Mobius Architekci

Photography
Paweł Ulatowski

Deep in the dense forest that extends to the west of Warsaw nestles the private residence of an art lover and collector who wanted a home that evoked the ample spaces of art galleries.

So the Przemysław Olczyk Mobius Architekci architectural practice of Warsaw and Krakow designed a solution based on light and geometry to combine the intimacy of a private home with the majesty of a cultural institution.

The house evokes the cross-section of a tree trunk; in it, the residential areas are located closer to the circumference, while the centre of the structure contains a square courtyard with a green lawn. In the bird's-eye view, our drive-over Rondò lighting fixtures with radial light are visible bottom right, marking the entrance to the garages.

Rondò 3.2
power: 5W
optics: radial
colour temp.: 4000K
finish: anthracite

Private square

Location
Milan, Italy

Photography
Alessio Tamborini

Application
Paths and steps

Lighting that marries history with modernity

In the centre of Milan lies a private square surrounded by elegant residential buildings and views that speak of transformations through the centuries. Its appeal is enhanced by a lighting design intertwining past and future.

Dominated by an imposing mediaeval tower, restored with great care and surrounded by precious archaeological finds, the square is like a canvas on which circles and lines trace its distinctive character. Modern homes, the product of a recent redevelopment project, complete the picture, creating a perfect balance between historical charm and contemporary freshness.

At sunset, the paving is brought to life by geometric shapes and harmonious lines that emerge discreetly with the help of Olo, whose light beam – directed exclusively downwards – enhances the shapes in the space without spilling into the environment. The lighting illuminates the steps and ramps, guiding both gaze and feet naturally and elegantly. Within its 10-metre diameter, the light beam maintains complete control, reducing light pollution and guaranteeing a perfect balance between functionality and aesthetic appeal.

Next to the mediaeval tower, a corten sculpture seems to mark the passage of time. Here, Bright comes into its own. This minimalist recessed fixture disappears during the day only to reveal itself at night with a discreet but incisive beam. The light, projected from below, shapes the material, amplifying the contrast between the sculpture's volumes and corten surfaces. To complete the picture, a Reiko projector illuminates the sculpture from above, integrating perfectly with the texture of the corten and adding depth and dynamism to the composition.

Reiko 3.0
power: 10W
optics: 42°
colour temp.: 3000K
finish: cor-ten

Olo 1.1
power: 19W
optics: 360°
colour temp.: 3000K
finish: anthracite

Bright 2.4
power: 5W
optics: 13°x52°
colour temp.: 3000K

Corporate

Caves Champagne Joseph Perrier

Location
Châlons-en-Champagne, France

Project
Thiénot Architecture

Application
Paths and steps, Facades

Light planning
Lumesens

Châlons-en-Champagne, near Reims, in the heart of the historic province of Champagne, is home to the House of Joseph Perrier, a company founded in 1825 and currently run by the sixth generation of the founding family. Joseph Perrier stands for a tradition of Champagne excellence handed down from father to son for almost two centuries. The House is headquartered in an old coaching inn, and the land surrounding it holds a network of subterranean tunnels excavated in the Gallo-Roman era.

In 2019, the company commissioned an ambitious project. The historic site was completely renovated, and new areas open to the public were added. At the same time, the lighting was redesigned. The cellars, the new garden and the outdoor spaces all benefited from a metamorphosis of their lighting to offer visitors an immersive experience.

The Parisian lighting design studio Lumesens, in the person of Emeric Thiénot, was responsible for the project, taking into account the constraints imposed by the company's heritage, the technical, architectural and landscaping requirements, and the economic and environmental conditions. The Lumesens studio found the ideal partner in L&L Luce&Light, not only because of the lighting fixtures' intrinsic characteristics but also because of the availability of bespoke solutions.

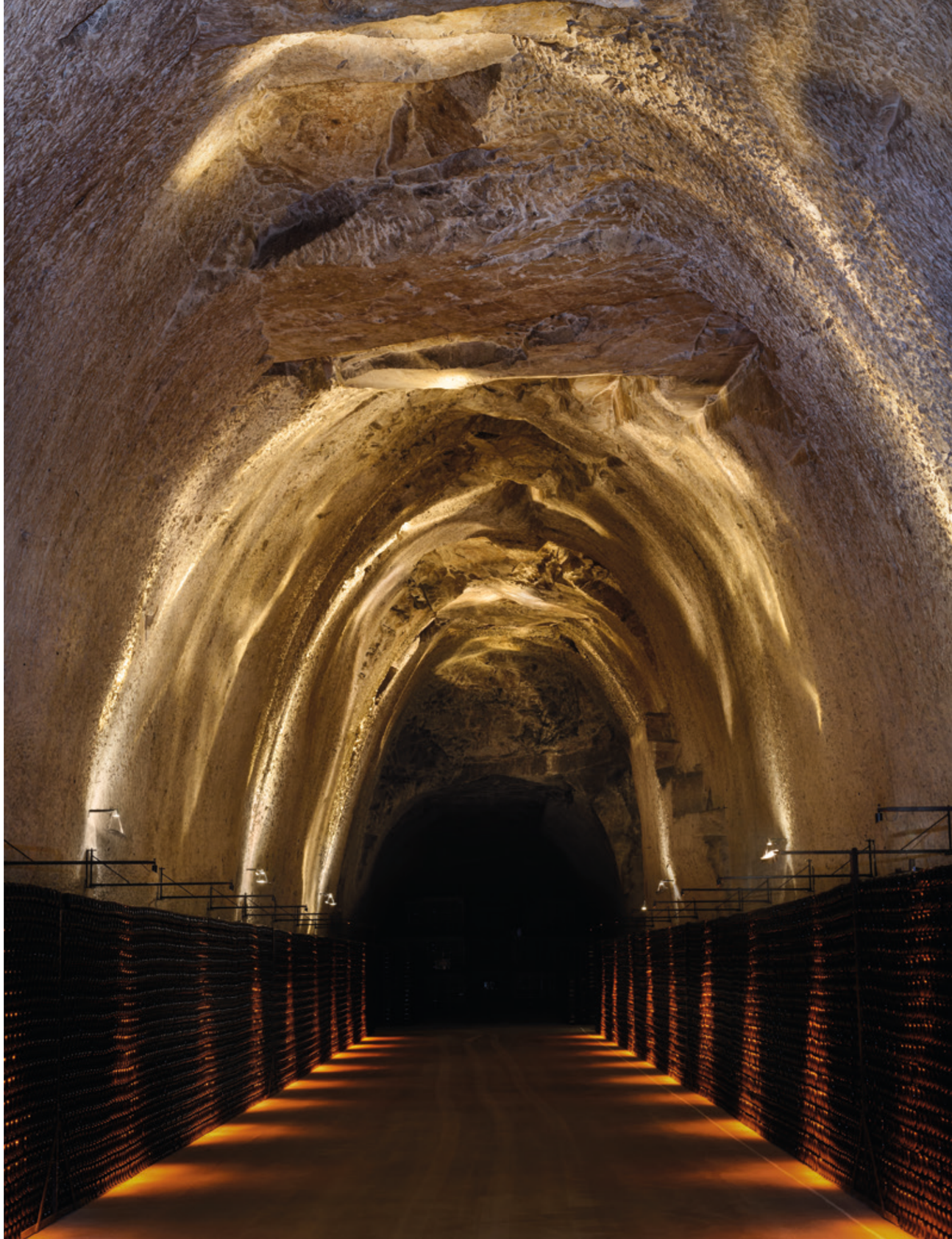
During their visit, guests encounter light projections reminiscent of water reflections. These are created by Ginko projectors using sharp optics combined with bespoke optical accessories made specifically by Lumesens. „With these two effects, we tried to give substance to the light. Unlike a lighting manufacturer, who has to control their beams of light, we have deconstructed the light to give it both materiality and fragility." Emeric Thiénot, Lumesens

The reliability of the AISI 316L stainless steel used for the lighting fixtures is fundamental because they are installed in a challenging environment because of not only the humidity in the air but also the limestone of the tunnel walls. Outside, other Ginko fixtures pick out the majestic wrought iron sign that spans the gate columns at the entrance to the complex. The garden paths are lit by customized versions of Pasito 1.1, which are installed on bollards; the same step lights have been used in the upper and lower parts of the covered walkways, where they illuminate both the ground and the arched ceilings.

The project was awarded the Prix de l'ACEtylène 2020 by the Association des Concepteurs Lumière et Éclairagistes in the category for interior lighting design. On the building's facade, Lyss 1.0 outdoor projectors have been strategically positioned on the outermost edges of the windowsills, where they create a luminous frame around the windows and around the entire facade, including the cornice.

Bright 2.4 custom
power: 5W
optics: 13°x52°
colour temp.: 2200K

Ginko 2.0
power: 7W
optics: sharp 21°
colour temp.: 2700K
finish: stainless steel with customized filter in the snoot



Ginko 2.0
power: 7W
optics: 34°
colour temp.: 3000K
finish: anthracite

Lyss 1.0
power: 5W
optics: clear 10°x180°
colour temp.: 2700K
finish: white

Pasito 1.1 custom
power: 6W
optics: asymmetrical 150°x90°
colour temp.: 3000K
finish: white
mounted on a bollard

Photography
François Guillemin,
Emeric Thiénot

Marfisi Carni

Location
Treglio, Chieti, Italy

Application
Facades

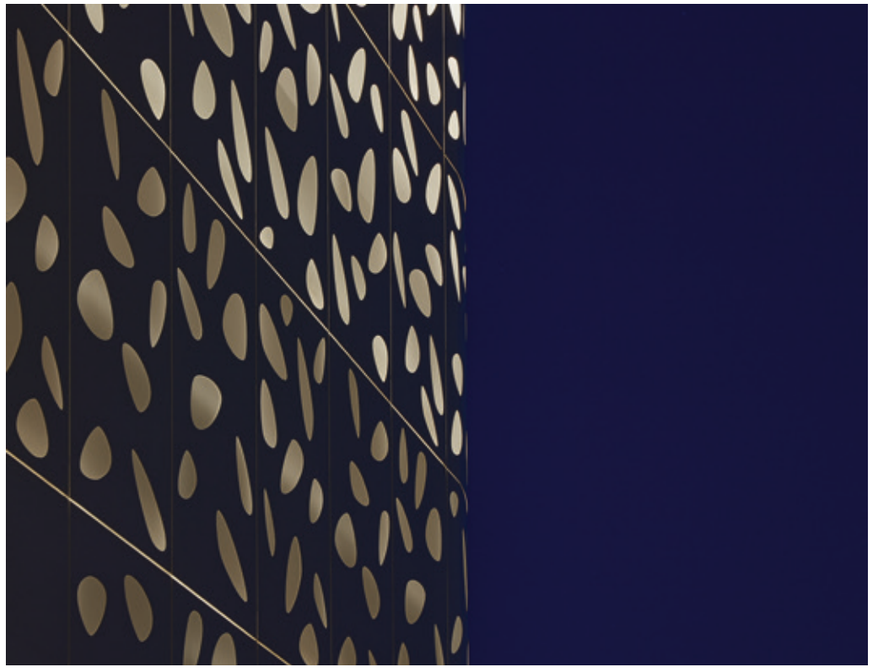
Proejct
Studio Antonucci X Crognale
Archquadro Associati

Photography
Fabio Di Carlo

Marfisi Carni's beef processing plant, situated in the Treglio industrial zone, in the province of Chieti, is a family business that has been transformed and developed over the course of several successive generations. The company's historical headquarters – including the management offices, production facility and company store – have recently been modernized in response to its changing needs.

The project, the work of Antonucci X Crognale Archquadro Associati, has incorporated all the pre- existing buildings into a single structure that's consistent with the company's updated identity. A fluid, sinuous curtain wall wraps all around the buildings to create a distinctive facade with a design that recalls drifts of autumn leaves.

On the upper side of the cladding, Neva 1 linear profiles in two different lengths, 916 mm and 616 mm, have been fixed internally using brackets. The lighting fixtures have 10°x40° elliptical optics that direct the light downward to create a lighting effect that fills the facade's perforated pattern, gradually fading as it descends. As the architectural firm explains, when describing the project on its website, the light that pervades the perforated curtain wall itself "becomes architectural material".



Neva 1.0 / 1.1
power: 18W/27W
optics: 10°x40°,
colour temp.: 3000K
with brackets

Samling Library

Location
Sand, Norway

Project
Helen & Hard Architects

Light planning
SML Lighting

Executed by
Minel Elmontasje Elverum

The innovative, multifunctional Samling community space, designed by Helen & Hard Architects, includes a library, new offices for the Odal Sparebank savings bank and around ten apartments, all combined in a compact, unique and geometrically intriguing spatial composition.

The iconic round structure, with its undulating overhangs, is prominently positioned at the beginning of the town's main street. It radiates from an open, interconnected oval atrium, expanding the sense of space beyond the structure itself. In the centre of the building, a light well connects the ground and first floors. The library, the heart of the new Samling centre, is impressively spacious while maintaining a welcoming, human-scale ambience. Its generous height is divided into two levels connected by a staircase.

The lighting design was created by SML Lighting and implemented using L&L Luce&Light fixtures. It perfectly meets the client's requirements for flexible, adaptable lighting able to illuminate such a large space while also maintaining the library's functionality and the well-being of its users.

On the upper floor, Wall 8.0 (max 2W), 6000K, with 25° optics and an elegant satin finish, are positioned on the desks abutting the glass balustrade, where they precisely light the desktops.

The entire library area is equipped with atmospheric effect lighting, used to mark special anniversaries, receptions or festive events. This is supplied by Neva Mini 7(15W) and Neva 7.2 (75W) linear profiles for architectural lighting, installed at the top of the walls, near the ceiling. Both versions have narrow 18° optics, adjustable supporting brackets with graduations and RGBW LED light sources, so that different lighting scenes can be created in a variety of colours. These are also visible externally, through the large glass windows.

Neva 7.2
power: 75W
optics: 18°
LED colour: RGBW
with brackets

Neva Mini 7
power: 15W
optics: 18°
LED colour: RGBW
with brackets

Wall 8.0 custom
power: 2W
optics: 25°
colour temp.: 6000K
satin

Photography
Dag Sandven

Edifício Náutico is a commercial and residential complex in the centre of Cascais, a town on Portugal's Atlantic coast.

The facade calls to mind the patterns on traditional Portuguese ceramics. Here, they form the sun baffles that work like curtains to preserve privacy and protect from the sun. The structure's blue colour is a reference to the ocean on whose edge Cascais stands.

The ground floor is a reinterpretation of the porticos the city is known for, with a ceiling that undulates like ocean waves. On each of the portico pillars, there are two Geko 6.1 double-beam wall-mounted fixtures that emit both direct and indirect light with a customized combination of optics: 7° for the direct light and 70° for the indirect light. The 2400K colour temperature is also customized – the stylistic hallmark of the lighting in the entire structure.

Location
Cascais, Portugal

Application
Facades

Project
Subvert Studio

Light planning
Light2Life

Photography
Sergio Guerra

Edifício Náutico

Geko 6.1 custom
power: 20W
optics: up optics 70°-
down optics 7°
colour temp.: 2400K
finish: white

Norblin Factory

Location
Warsaw, Poland

Application
Museums and exhibitions

Project
PRC

Light planning
Studio DL

A two-hectare 19th-century industrial complex in the heart of the Wola district, in western Warsaw, has been redesigned with a new urban look and reopened to the public. Before being destroyed in the second world war, the Norblin, Buch Brothers and T. Werner factories employed over one thousand people, producing plated metal and silver goods. Now the enormous premises consist of multifunctional buildings that house offices, shops, restaurants, cafés and a cinema, as well as a museum, where the original Norblin Factory machinery can be seen.

The project is the work of the PRC architectural practice, who wanted to maintain the layout of the former factories and conceived an urban complex where the individual buildings are connected by squares and internal and external passages, some covered and others open to the sky.

The lighting design, by Studio DL, sets out to evoke the factories' 19th-century past in the museum spaces by using a colour palette in which the dominant warm amber is contrasted by a shift to a white light with a blue component to create rhythm and highlight the elements of industrial history on display. Neva 6 linear profiles, with dynamic white LED sources – amber, 4000K, 5000K – and in four different lengths, from 316 mm to 1758 mm, were installed with brackets on the museum's load-bearing structures to illuminate the imposing 19th century machinery from above with 24°x46° elliptical optics. The profiles are fitted with honeycomb louvres to ensure excellent visual comfort and contribute to the designers' aim of creating a unique atmosphere and visitor experience in the Norblin Factory.

Photography
Piotr Krajewski

Neva / Neva 6
power: 10W/20W/30W/50W
optics: 24°x46°
LED colour: dynamic white, with bracket and honeycomb louvre

Town Hall facade

Location
Nichelino, Turin, Italy

Application
Facades

Light planning
Simona Cosentino
architetto lighting designer

Photography
Daniele Cortese

The historic building that houses Nichelino's town hall has undergone restoration work and received a new lighting scheme, designed by architect and lighting designer Simona Cosentino. The architect has given the building the role of luminous backdrop to the Piazza G. Di Vittorio, the square on which it stands.

The lighting design, approved by the Piedmont superintendency of cultural heritage, creates a synthesis that both enhances some of the building's architectural elements and respects the equilibrium of the facade as a whole.

To achieve this, two different types of lighting come into operation, depending on the time of day. In the early evening, the architectural lighting positioned on the facade lends three-dimensionality to the building, elevating its details and materials. Then, as darkness deepens, lighting installed at a distance from the building comes into play, softening the shadows. The latter also creates coloured lighting scenes, which the town council uses for special occasions.

The combination of the two lighting solutions balances two opposing effects: on the one hand the dramatic chiaroscuro effects of the grazing light, and, on the other, the tendency of projected light to flatten details.

The architectural lighting on the facade uses Neva 2.1 and Neva Mini 1 linear profiles, installed in two different ways: recessed for the ground floor and on brackets for the first-floor cornice. Neva 2.1 fixtures, with 10°x40° elliptical optics, illuminate the windows, while Neva Mini 1 fixtures, with 11° narrow optics, pick out the facade's six pilasters. Two more Neva 2.1 fixtures, with 45° optics, are installed between the windows of the central balcony on the first floor. The fixtures' positions and beam angles have been carefully chosen so that they illuminate both the building's long upper cornice and the facade's individual projecting elements.

The lighting design for the facade is completed by two Lyss 1.0 projectors, with semicircular 20°x180° optics, which highlight the internal profiles of the two side arches of the main entrance to the town hall, and two Bright 2.4 uplights, with 13°x52° elliptical optics and anti-glare screen, which mark its side entrance.

Bright 2.4
power: 7W
optics: 13°x52°
colour temp.: 3000K
finish: stainless steel
anti-glare screen

Lyss 1.0
power: 7W
optics: satin 20°x180°
colour temp.: 3000K
finish: white

Neva 2.1 / 2.2
power: 22W/38W
optics: 45°/10°x40°
colour temp.: 3000K
with brackets and
honeycomb louvre

Neva Mini 1
power: 9W
optics: 11°
colour temp.: 3000K
with brackets/
recessed

Gymnasium Tolkewitz

Location
Dresden, Germany

Photography
Robert Gommlich

Project
ARGE DD-TOL-AB Raum und Bau GmbH, AB Fuchs und Rudolph, AGZ Zimmermann Arch. GmbH

Gymnasium Tolkewitz is a school complex that has recently been completed in Dresden. The project is the work of an architectural collective called ARGE DD-TOL, made up of the Architekturbüro Raum und Bau, Fuchs und Rudolph Architekten Stadtplaner, and Architektengemeinschaft Zimmermann architectural practices, and the construction company Stesad GmbH.

This large 11,400 m. educational centre with classrooms, laboratories, open spaces for recreational and sports activities, and relaxation and rest areas, where students meet and experience everyday situations within their community. The architectural project is based on a clear separation of academic functions from extracurricular activities, achieved by distributing the buildings around the site in such a way that the possibilities for resuming or continuing social interactions are maintained.

In addition to making the environment brighter, the new lighting system contributes to wellbeing and comfort in a space used for learning and concentration, creating an optimal atmosphere.

Turis 3.0 (15W) and Turis 7.0 (30W) downlights with diffuse light – 4000K colour temperature, the closest to natural light – and a white finish were used throughout the school building, recessed into the ceilings of the corridors and the undersides of the central staircases, in combination with Cube C 1.3 (6W, 4000K, 18° optics) and Teko 7.0 (17W, 3000K diffuse optics) fixtures.

Turis 3.0
power: 15W
colour temp.: 4000Kco-
finish: white

Turis 7.0
power: 30W
colour temp.: 4000K
finish: white

Public Spaces

Plaza del Parrote

Location
A Coruña, Spain

Application
Paths and steps

Light planning
Alve Iluminación

The area around the tourist port of A Coruña is one of the city's best-known squares. The buildings surrounding it have the glass façades, designed by the architect Juan de Ciórraga, that are typical of the late 19th century.

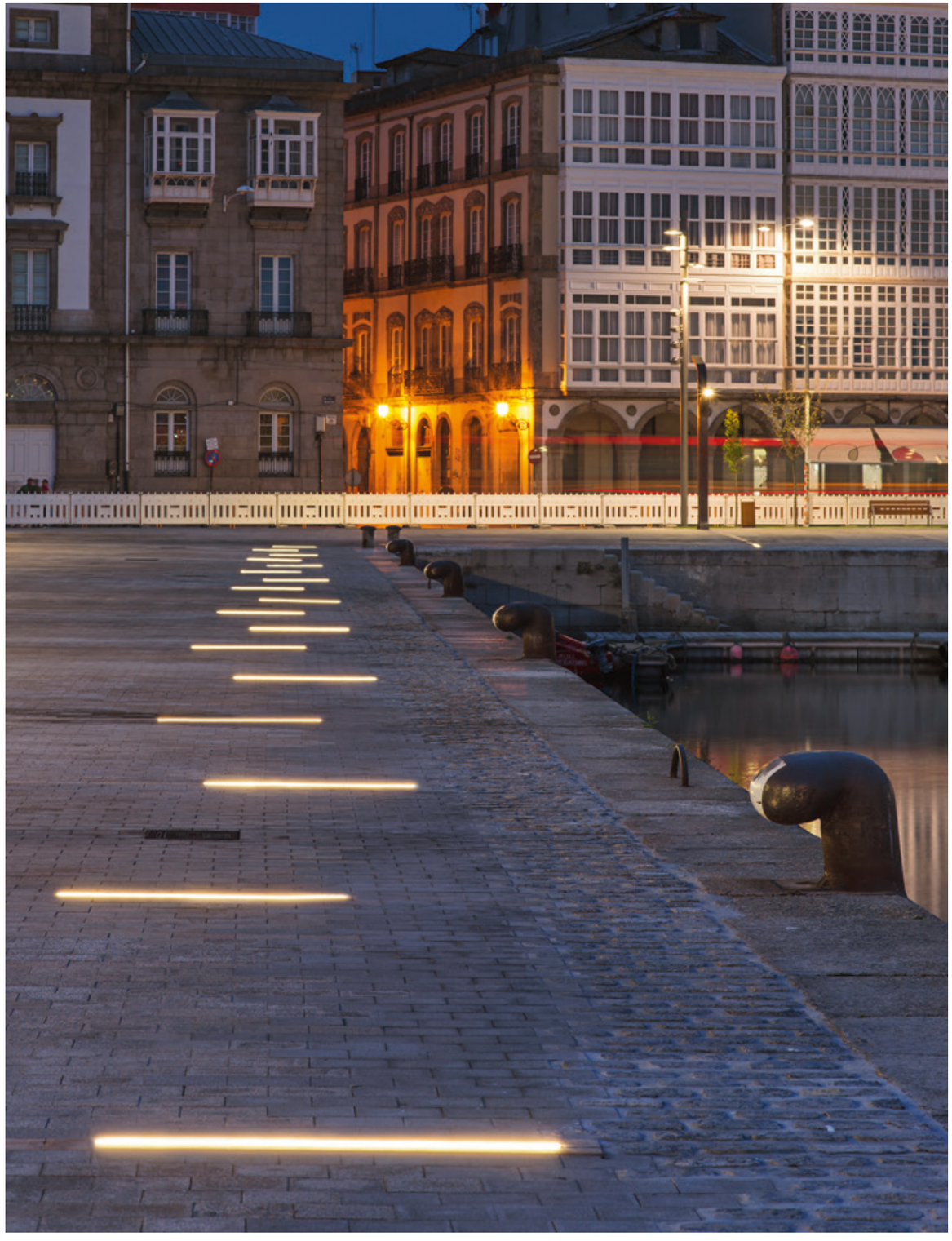
The city takes its nickname of City of Glass from the architecture in this area because the buildings consist of structures in iron, wood and glass. The style is eclectic, with maritime references, reflecting the method by which ships' sterns were constructed in the 18th century. The middle classes of the time took inspiration from this system when protecting their own houses from the sea, wind and humid marine air.

The aim of the restoration of this part of the port was to connect the city centre with its "marine façade" through an open space leading to the sea, with a predominantly pedestrian zone given over to leisure and cultural activities. It connects the city to the sea but more importantly it connects the sea to the city for the many tourists who arrive at the port on board cruise ships.

Lighting plays a vital role in the redevelopment process that has led to Plaza del Parrote once again becoming one of the city's most important areas. The lighting design was entrusted to Alve Iluminación (A Coruña); to emphasise the square's structure and its important role as a thoroughfare, the studio chose the Rio linear profile.

Rio is ideal for step and pathway lighting in urban settings: it has an IP67 rating, can withstand traffic loads and guarantees no dark zones between fixtures. Rio is made of stainless steel and PMMA, with an outer casing in aluminium or stainless steel. It can be installed both in the ground and in walls. It is dimmable, with a range of colour temperatures (2600K, 2800K or 3700K), and is available in different lengths of up to 2010 mm. The fixture is equipped with an NTC temperature sensor built into the circuit, and an IPS (Intelligent Protection System) device, which offers protection from water infiltrations and other common installation issues. For the Plaza del Parrote, 66 x Rio 1.2 lighting fixtures were installed, each 1010 mm long and with a colour temperature of 2800K.

Rio 1.2
power 12W
colour temp.: 2800K



Piazza San Giustino

Piazza San Giustino is the beating heart of Chieti, bordered by the cathedral of the same name, centre of the city's spiritual and religious life, and by a series of imposing palazzos: the Palazzo Comunale (the town hall), the Palazzo di Giustizia (the law courts), the Palazzo Mezzanotte and the Palazzo Sirolli. The square has recently been redeveloped through work on the paving and lighting.

The lighting design for the square and the surrounding buildings uses Tago linear profiles recessed flush with the paving for the perimeter facades. This solution revitalises the urban space in every corner of the square, enhancing its stone materials and architectural details.

For the colonnades surrounding the square, Tago versions 1.1 and 1.3 were chosen with 20°x49° elliptical optics, tiltable +/-20° and fitted with anti-glare shields built into the fixture – this solution diffuses the light output over the vertical surfaces of the columns and arches, accentuating the architectural details and increasing visual comfort across the entire area.

The same Tago 1.3, but with wall-grazing optics, was selected to light the stone walls of the cathedral and bell tower. Its grazing light brings out the textures of the mediaeval walls and the porosity of the plinth and tapered stairways, bringing new vitality and liveability to Piazza San Giustino's ample space.

A Quilatero 2.4 outdoor recessed fixture, with 12° optics, illuminates the statue in front of the bell tower. Its very narrow beam is ideal for enhancing the length of the bronze sculpture of St Justine created by Luciano Primavera in 2005. The fixture has a built-in anti-glare screen to ensure excellent visual comfort.

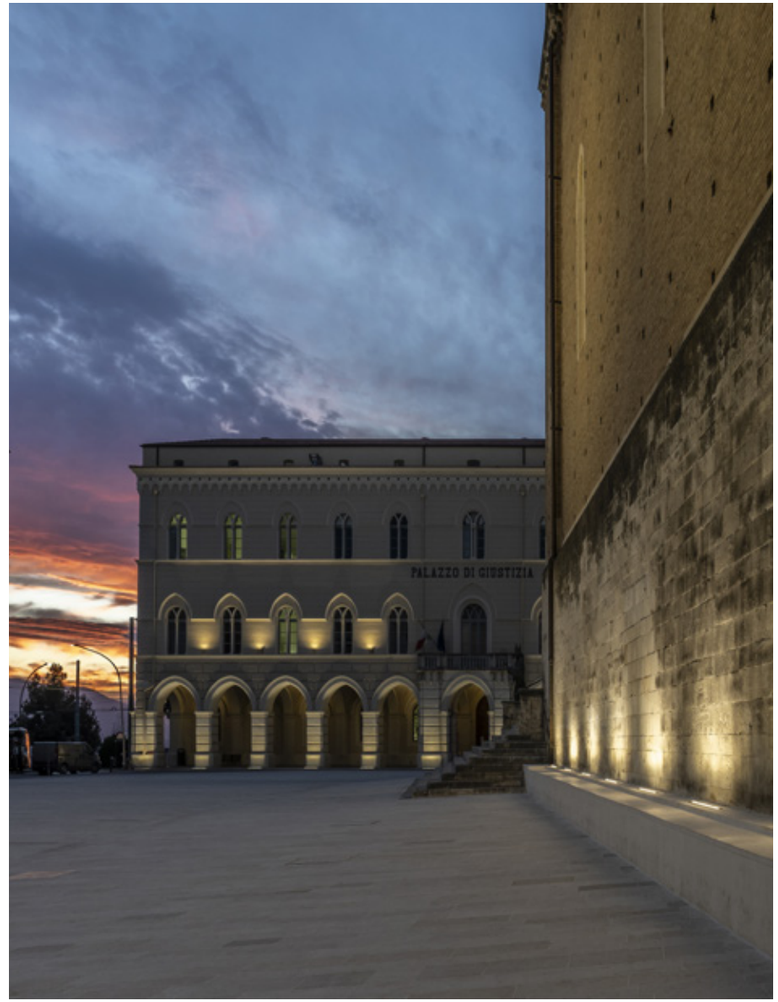
Location
Chieti, Italy

Application
Facades

Light planning
arch. Michele Proto

Project
arch. Ivonne Elia
arch. Lucia Moretti
arch. Gianfranco Scatigna
arch. Maria Cicchitti

Photoraphy
Simone Tommasini



Quilatero 2.4
power: 8W
optics: 12°
tiltable ±20°
anti-glare screen
colour temp.: 3000K
finish: stainless steel

Tago 1.1 / 1.3
power: 24W/51W
optics: 20°x49°/
wall grazing
tiltable ±20°
anti-glare shield
colour temp.: 3000K

Monumental fountain

Location
Silvi Marina, Teramo, Italy

Application
Fountains and swimming pools

Silvi Marina is a town on the Adriatic coast of Abruzzo, fondly remembered by the poet Gabriele D'Annunzio as the "pearl of the Adriatic". At its centre stands a large, eye-catching monumental fountain.

The monument is the work of architect and sculptor Ireneo Janni, whose design consists of a large outer pool with five internal pools of different heights that act as a pedestal for the imposing bronze sculpture in their centre.

As part of its recent restoration, the monument has been enhanced by spectacular new lighting that makes the most of the multiple effects and colour scenes rendered possible by the Moby P RGBW underwater projectors installed inside the pools.

The fixtures feature an internal mixing chamber that creates the desired tones and shades, while the technical characteristics of their glass screens guarantee chromatic uniformity. The Moby P projectors' trim in electropolished, passivated AISI 316L stainless steel makes them resistant to corrosion; the thermally conductive technopolymer used for their bodies ensures efficient heat dissipation and protects the fixtures from the highly corrosive chemicals in the water.

Moby P 1.0
power: 9W
optics: 34°
LED colour: RGBW

Moby P 2.0
power: 20W
optics: 34°
LED colour: RGBW

Moby P 3.0
power: 30W
optics: 34°
LED colour: RGBW

Jardins de L‘Arche

Location
Paris, France

Project
AWP

Application
Paths and steps

Light planning
8’18”

Jardins de l’Arche is an urban space to the west of Paris, the fruit of an urban regeneration project by the architectural firm AWP aimed at creating a genuine interchange between the famous business district of La Défense and the adjacent municipality of Nanterre.

The new neighbourhood covers an area of 15 hectares and is intended as a cultural and entertainment hub. It features a 600-metre, fully pedestrian promenade that stretches from La Grande Arche, symbol of La Défense, to the terraces of Nanterre, a sports arena that can hold up to 40,000 spectators, and to areas intended for commercial, administrative, school and hospitality buildings.

The French lighting design studio 8’18” was responsible for lighting this new public space, and, for the pedestrian promenade, chose Rio 2 linear profiles, in two alternating bespoke lengths of 892 mm and 1198 mm. Recessed into the pavement perpendicularly to the boulevard, these profiles with diffuse optics serve to visually unify the entire promenade, render it visible from a significant distance and give it dynamism.

Rio 2 custom
power: 19W/m
colour temp.: 2800K
length: 892mm/1198mm

John Eaton Elementary School

Location
Washington DC, US

Application
Paths and steps

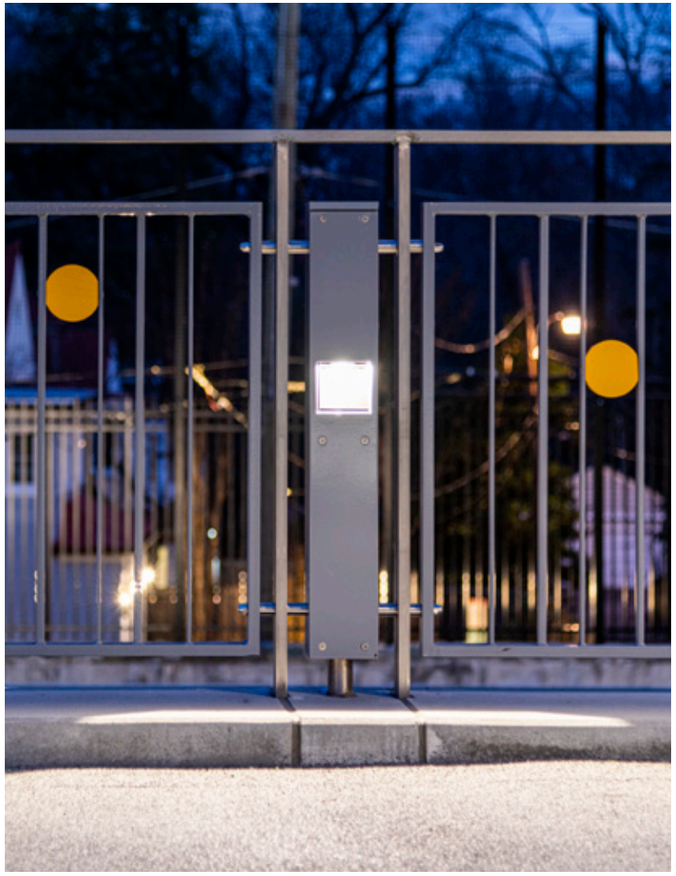
Project
Ambridge Architecture

John Eaton elementary school sits in the historic Cleveland Park neighbourhood of Washington DC. Established in the early 1900s, the institution began as a single building, later expanding in the 1920s, the 1930s and for a final time in the 1980s.

The school recently underwent a renovation, entrusted to Ambridge Architecture, aimed at modernising the historic campus and expanding the teaching areas. Special attention was given to maintaining the school's outdoor areas, which are considered fundamental for play and learning.

It is in these outdoor areas that the architect's new lighting design has included Pasito Mini 1.0 step lights: recessed fixtures that blend perfectly with their surroundings. In this case, the step lights have an anthracite finish and are installed in the railings that separate the upper storey play area from that of the ground floor. The fixtures' very wide 150°x90° asymmetrical optics provide functional lighting for the entire area with a controlled downward light emission that minimises light spill.

Pasito Mini 1.0
power: 5W
optics: asymmetrical 150°x90°
colour temp.: 3000K
finish: anthracite



Photography
Chris Ambridge AIA

A Japanese-style Zen garden has been created in the Pangrati district, in the centre of Athens, to enrich the green space that sits within the capital's bustling urban fabric, surrounded by imposing buildings, museums and factories. The garden is filled with lush vegetation paired with elements that represent water, in the classic Japanese tradition. It was designed by landscape architecture firm Ecoscapes and was inspired by the ancient Japanese green parks that date back thousands of years.

Plants native to Japan and the Mediterranean grow here together: Japanese maples, cherry trees and bamboo share the land with myrtle and daphne shrubs. The mix of different tree varieties adds colour and texture along the park's main path. Gravel and rock paths lead to the best views of the garden and move in sweeping curves to represent flowing dry "rivers". A pine tree welcomes visitors at the main entrance, while granite benches mark out a space for meeting and socializing.

The concept by lighting design company Nea Polis was based on a desire for visitors to experience peace and tranquillity in a redeveloped corner of the city – a small green oasis between the buildings, where they can relax for a moment. To ensure that these requirements were met, the company chose Bright 2.4 outdoor recessed fixtures with honeycomb louvres, installed at the base of the plants to illuminate them bottom to top. In a customized version with amber-coloured LEDs, so with a warm light output, they ensure the circadian cycles of both people and animals are better respected. Post-mounted Ginko 3.0 projectors, 3000K with asymmetrical snoots, light from above the areas with benches for socializing. Their 48° sharp optics with shadow-effect filters realistically recreate the effect of sunlight shining through the foliage of the trees.

Location
Athens, Greece

Application
Landscape

Light planning
NeaPolis Lighting

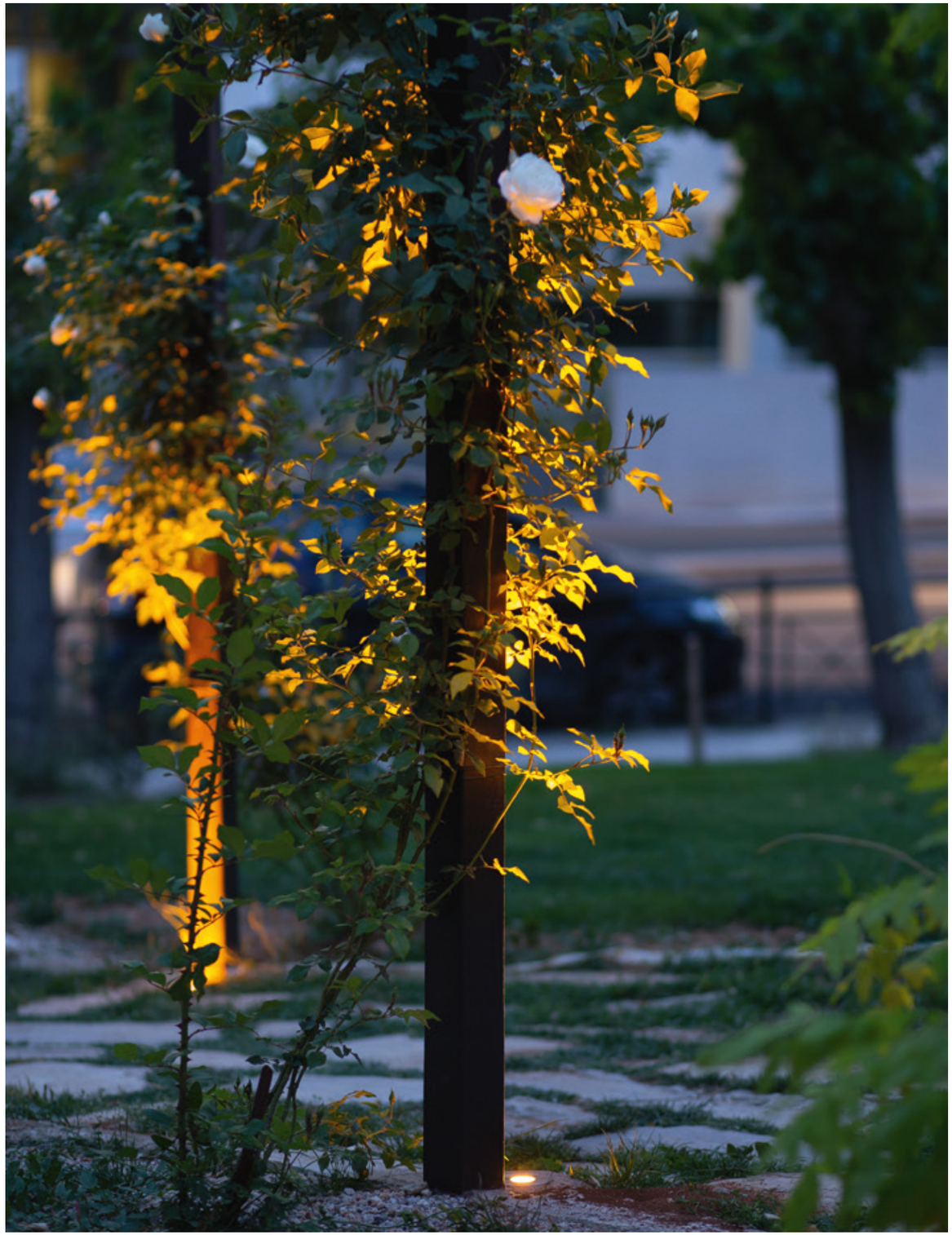
Landscape design
Ecoscapes Landscape Architecture

Photography
Anastasia Siomou

Ginko 3.0
power: 15W
optics: 48° sharp
colour temp.: 3000K
shadow-effect filter
finish: anthracite

Japanese Garden

Bright 2.4 custom
power: 5W
optics: 11°
LED colour.: amber
with honeycomb louvre



National Archaeological Museum Gardens

Location
Athens, Greece

Application
Landscape

Light planning
NeaPolis Lighting

Landscape design
Ecoscapes Landscape Architecture

The garden at the front of one of the most visited museums in the Greek capital – and in the world – is full of plants that figure in Greek mythology. It is divided into three sections: botanical walks, the “Arcadian landscape” and a small artificial hill crowned by a 1,300-year-old olive tree. The lighting design studio NeaPolis has lit the latter’s foliage with three Stra 4.0 recessed uplights that can be adjusted by remote control.

Scattered among the 6,000 and more native herbs, shrubs and trees such as thyme, oregano, cypresses, myrtles and pomegranates, almond trees, olive trees and vines, Bright fixtures are recessed into the ground to light trunks or leaves.

The road leading to the entrance of the imposing neoclassical building is marked out with drive-over Rondò step lights with radial optics and a central tamper-resistant screw.

Photoraph
Anastasia Siomou

Bright 3.F
power: 10W
optics: 21°
colour temp.: 2700K
anti-glare screen

Bright 5.F
power: 19W
optics: 18°
colour temp.: 2700K
with honeycomb louvre

Stra 4.0
power: 25W
optics: 37°
colour temp.: 2700K
with honeycomb louvre

Rondò 2.1
power: 2W
optics: radial
colour temp.: 3000K
finish: micro-blasted
stainless steel

The Maritime Station in Genoa

Genoa's maritime station, next to Ponte dei Mille, dates back to the 1930s and is made up of three buildings characterised by a portico on the ground floor punctuated by white stone pilasters and columns.

The lighting design by Studio Luce Sacchi involved the courtyard's three sides and the large fountain in the central flowerbed, from which a huge ship's propeller rises, transformed into a sculptural reminder of the setting's nautical purpose.

To light the building's facades, special Stra 3.0 fixtures were selected with a larger trim diameter than on the standard version in order to adapt them to the pre-existing cutout holes. The need to illuminate the facades and use the light to accentuate their beauty led to the choice of a fixture with two adjustable optical groups – with 14° and 30° optics – directed toward each pilaster.

With an AISI 316L stainless steel trim treated to prevent corrosion and 15-mm-thick tempered extra-clear glass, the chosen Stra 3.0 guarantees impact resistance and is drive-over up to 5000 kg, perfect for areas with a lot of foot and vehicle traffic. All the fixtures also have anti-vandal screws, making them perfectly suited to an urban setting.

The lighting design was completed with the supply of RGBW fixtures for the central fountain. For the two circular basins, Moby P projectors were selected with a glass cover and an AISI 316L stainless steel bracket with graduations so that the light emission could be precisely positioned.

The Moby P family of projectors is remarkable for the robustness of its materials: the 12-mm-thick glass screen ensures maximum impact, scratch and corrosion resistance, while the body, made of thermally conductive technopolymer, has been designed to dissipate heat very effectively and to protect the projector from any corrosive substances present in the water.

Moby P 1.1 fixtures, with 31°x64° elliptical optics, were installed along the edge of the lower basin, while Moby P 2.1 were chosen for the upper basin. Their 62° optics are directed at the propeller, creating splashes of coloured reflections that define the fountain. A touch panel allows different shades of light to be selected for the two basins to create ever-changing scenic effects.

Location
Genoa, Italy

Application
Facades,
Fountains and swimming pools

Light planning
Studio Luce, Gruppo Sacchi

Photography
Alessio Tamborini

Moby P 1.1
power: 9W
optics: 31x64°
LED colour: RGBW

Moby P 2.1
power: 20W
optics: 62°
LED colour: RGBW

Stra 3.0 custom
power: 25W
optics: 30°+14°
colour temp.: 3000K
tamper-resistant screws, customized version with trim ø330 mm

Havenkom

Location
Almere Haven, The Netherlands

Application
Paths and steps

Light planning
C.Light.Wise

Delivered by
Industrielicht BV

Photography
Jaap Lotstra

The district of Almere in which the harbour is located has undergone an urban redevelopment that also involved improvements to the lighting. The aim of the new lighting design, the work of C.Light. Wise, is safe illumination that also respects natural darkness and can guide pedestrians intuitively through the harbour area and the residential and commercial areas.

The new concept called for light poles, in a reference to the boat masts of the nautical world, specially constructed to house Spot 4.4 projectors and provide functional lighting for the streets and pavements, and the wider areas. To achieve this, the fixtures installed use a 3000K LED colour and different optics: 42°x85° / 20° / 45° / 61°. To meet the requirements of C.Light.Wise's design, each projector was fitted with a special diffuser ring that softens the edges of the light output and, as the lighting design studio puts it, "makes the light almost tangible".

The use of pole-mounted projectors means the fixtures can be directed only where their light is needed – on the waterfront and along the canals. This avoids the light hitting the water surface directly. In the residential and commercial areas, they have been directed so that they provide visibility on the pathways and surrounding areas, without glare. A dimmable version of the Spot 4.4 projectors was used so that different lighting scenes can be programmed according to the lighting requirements.

The fixtures' body, in Anticorodal® aluminium, is corrosion resistant, making it ideal for marine and harbour settings. For this project, the Spot 4.4 projectors were painted in the custom finish RAL 9006, White aluminium.

Spot 4.4 custom
power: 27W
optics: 42°x85°/20°/45°/61°, diffuser ring
colour temp.: 3000K
finish: RAL 9006

Seafront Promenade

Location
Tribunj, Croatia

Application
Paths and steps

Light planning
IBF Project

Tribunj is a little village of white-walled houses on the Croatian coast. When the sun sets on this deep-blue corner of the Mediterranean, you can enjoy the view from a newly built promenade that hugs the sea.

The inner edge of the panoramic promenade is marked with Rondò 1.1 step lights with radial optics. The lighting fixtures' AISI 316L stainless steel body and multi-step paint treatment protect them from oxidation and corrosion. Salt-spray tested for over 1000 hours, Rondò fixtures are perfectly suited to installation in saline environments with harsh atmospheric agents.

Rondò 1.1
power: 2W
optics: radial
colour temp.: 3000K
finish: micro-blasted stainless steel

The city walls of Matrice

Location
Campobasso, Italy

Application
Paths and steps

Photography
Fabio Di Carlo

New light on the city's ancient walls

Borgo Sant'Antonio has been enriched with a new and atmospheric footpath that follows the historic walls of the city of Matrice, connecting two symbolic places: the Church of Sant'Antonio and the Church of San Silvestro Abate. A stretch of road that was once hidden and abandoned has now been brought back to life thanks to a careful restoration project that has returned the urban landscape to its original beauty.

The wall, built at the beginning of the ninth century, has been enhanced by a lighting system designed to emphasise the texture of the walls and create an eloquent atmosphere in dialogue with the surrounding nature.

The lighting design uses Quilatero recessed fixtures: these can be tilted through up to 20°, offering a flexible and functional solution that illuminates every corner of the path. The ability to adapt the light based on the site's specific needs ensures a precise result that's never intrusive, allowing the light to accentuate the materials without disturbing passers-by.

The 3000K temperature selected for the chosen fixtures allows the light to blend in with the natural environment, creating a delicate contrast with the stone and highlighting the textures of the historic walls.

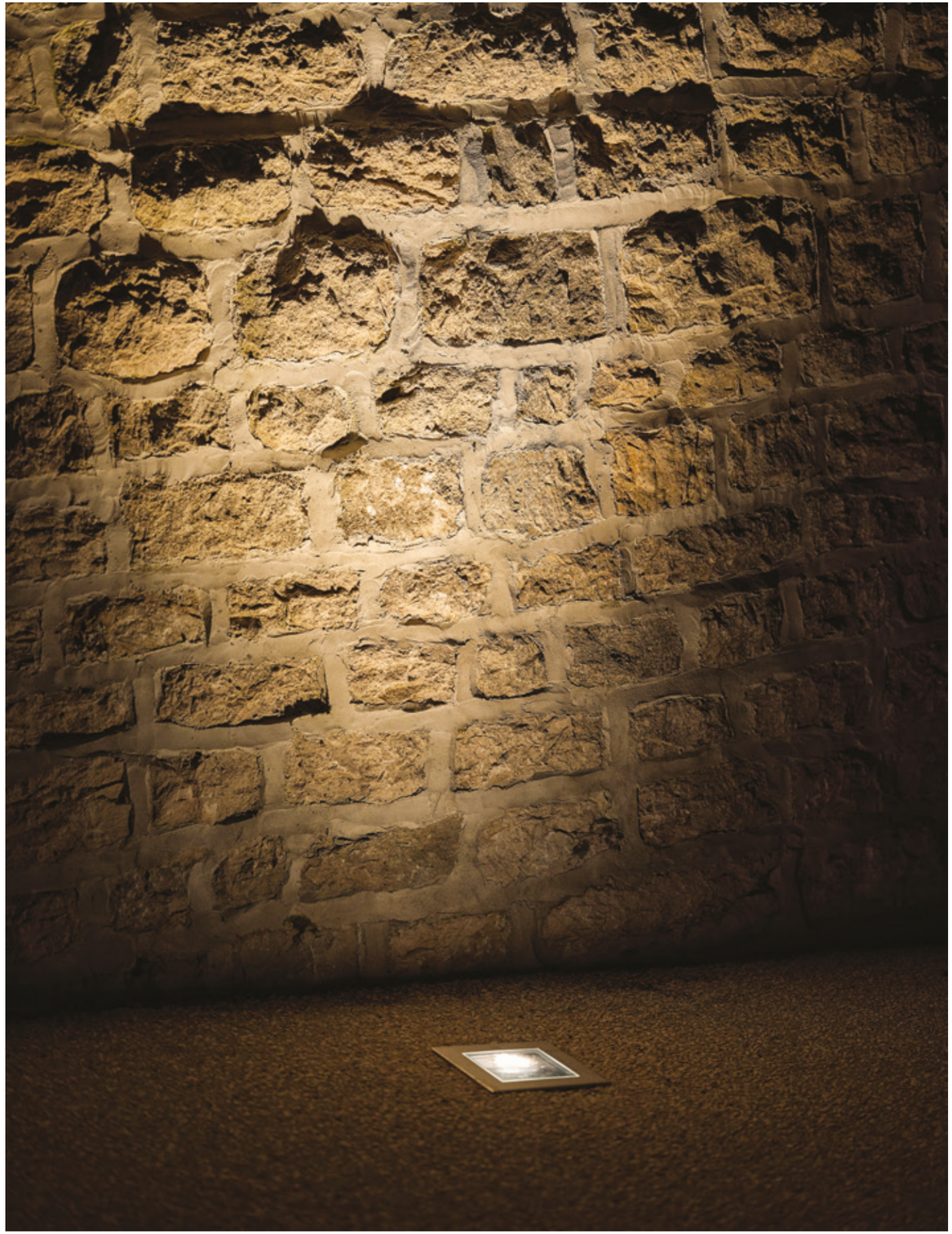
Made of stainless steel, the minimalist Quilatero fixtures are resistant and long-lasting, perfect for a context that requires robust, high-quality solutions.

The lighting guides visitors' steps, creating a visual and temporal continuity, in perfect balance between aesthetic appeal and functionality.

Quilatero 2.4
power: 8W
optics: 34°
colour temp.: 3000K
finish: stainless steel

Quilatero 3.4
power: 16W
optics: 39°
colour temp.: 3000K
finish: stainless steel

Quilatero 4.4
power: 22W
optics: 32°
colour temp.: 3000K
finish: stainless steel



Railyard Park

Location
Rogers, Arkansas, US

Project
Ross Barney Architects

Railyard Park is a public park designed by the Chicago-based firm Ross Barney Architects as part of the urban redevelopment of a large area next to the historic centre of Rogers, a town in Arkansas.

While developing the idea for the project, the architects surveyed the townspeople, digitally and in person, and found that they wanted a new space in the city where they could meet during their leisure time. The result is a public area made up of squares and spaces along the railway line that has run through the city since the 19th century.

The building at the heart of this redevelopment is the Butterfield Stage, a large pavilion, with a special multi-pitched roof, intended for outdoor concerts and events. To provide the uniform lighting for this large, covered space, the architects chose to use Rio 1.2 linear profiles, fixed to the white beams of the metal structure.

Alongside the pavilion, other spaces have been constructed, such as Frisco Plaza, home to the local farmers' market, the nearby Playard, a children's play area with colourful surfaces, and the Water Plaza. In the latter, water features have been created below the old cisterns once used to fill the tanks of steam trains, and now decorated with illustrations by three internationally renowned artists.

Rio 1.2
power: 12W
colour temp.: 3700K

Index

Concept and Creative Direction
Apartamento Studios

Graphic Design
Apartamento Studios

Texts
L&L Luce&Light

Printing
Grafiche Antiga, Italy
April 2025

L&L Luce&Light srl
Via Trescalini 5,
36031 Dueville, Vicenza, Italy

lucelight@lucelight.it
www.lucelight.it

Given the continuous evolution of LED technology, the technical characteristics of the lighting fixtures may vary with respect to those given in this publication. For this reason, the information contained herein shall be deemed merely indicative and not binding for the Company. The technical reference documentation is available in the download section for each product on the L&L website: www.lucelight.it

Crafting light for life