Practice Portfolio

office@ksld.com www.ksld.com
tel: +44 (0)131 555 5553 twitter: @_KSLD_

Contents

Background

Personnel

Awards

Projects

About us

KSLD was established in 1989, and has built a strong reputation in a wide range of areas over the last three decades. We have an extensive portfolio of award-winning lighting design projects, both locally and internationally.

KSLD joined EFLA Consulting Engineering in November 2018. We are now proud to be KSLD, the EFLA Lighting Design Division.

This merger increases the scale of practice and market access throughout the Nordic region, allowing us to take our lighting design capability to exciting new levels, creating leading-edge solutions in lighting design.

Our lighting designers come from arts, architecture and theatre backgrounds. We deal with light as a design medium, unique in its lack of substance but vital in creating the visual impact of a project.

KSLD Design Ethos

KSLD has been around since 1989 and has since then adapted and gained experience in a wide range of areas and projects. With this knowledge and skill, rigorous and evidence-based lighting design enables a creative result.

We broaden our knowledge of lighting through diverse project work and research, aiming to create high quality projects with a lasting and positive influence on those who experience them.

We value our contribution to the lighting community and share our knowledge and enthusiasm for light through projects, education and training.

We are respected as a leading practice and are committed to contributing to the development and recognition of the lighting design profession.

Design Values

- Everything we do and create is about an experience.
- We design for the end user, tailor to the individual and provide a unique and memorable experience for everyone.
- We negotiate realistic deadlines, create open communication and always design to meet our clients' needs.
- We develop personally and share our knowledge, experience and insight with our clients, community and the industry.
- We work together to exceed expectations, setting innovative personal and project goals to aspire to.
- We seek to minimise our impact on the environment in our work.

Kevan Shaw Design Director CEng BSc MILP FIALD

Kevan Shaw has been involved in lighting design for over 40 years. His career began in stage lighting, which encompassed work with TV and industrial shows. From there, he moved to exhibition and architectural lighting design, forming KSLD in 1989. His interest in lighting extends to education. He has taught at Hoschule, Wismar, provides a distance learning course at the Technical University of Iceland and is currently Lecturer at Napier University, Edinburgh, for the Lighting Design Masters.

Kevan also teaches at educational workshops and is frequently requested to guest lecture and mentor students with their Masters theses. As a Director of Sustainability for the PLDA from 2008 to 2011, Kevan's role included working on lighting matters within European legislation. He continues this work as a member of the European Union Regulatory Affairs Working Group of the International Association of Lighting Designers (IALD). Kevan was Chair of the Lighting Guide 8, Museums and Galleries 2015 workgroup for the Society of Light and Lighting (SLL). In 2018, Kevan was proud to be formally inducted to the IALD College of Fellows. 2018 is his fourth year serving on the IALD Board of Directors.

In 2013, Kevan was Awarded Lighting Designer of the Year at the LUX Awards. More recently in 2019, he was recognised as the first ever LIT Lighting Design Awards Lifetime Achievement Award recipient.

Kevan's role at KSLD is that of Design Director. He maintains a supervisory and executive role for all projects as well as overall management of the practice. He has led the KSLD team on over 700 projects.

Professional Memberships

Fellow of the International Association of Lighting Designers (FIALD)
Member of the Society of Light and Lighting (SLL)
Chartered Engineer Member of the Institute for Lighting Professionals (ILP)
Member of the Association of Lighting Designers (ALD)
Member of the International Advisory Committee of the Chinese Lighting Designers Association (CLDA)

Educational Activities

Alingsas educational workshop leader, Sweden, 2008 & 2015
Course Lecturer, MDes Lighting Design, Napier University, Edinburgh
Course Lecturer, MSc in Lighting Design, Hoschule Wismar, 2001 to 2007
Part time Lecturer in Lighting Design, Napier University, Edinburgh, 2000-2002
PLDA educational workshop leader, Lyon, 2002; Liverpool, 2008; Lights in Goa, 2011

Lectures and Papers

Charles Rennie Mackintosh: Lighting Designer, PLDC Paris, 2017
Understanding the Lighting Revolution, Enlighten Asia, Tokyo, 2017, Guanzhou, 2017
How Subjective Colour Preferences Inform Choices for Art, Lightfair International, 2015
Fifty Shades of White, Enlighten Europe, 2014
Time: the 4th Dimension of Light, Enlighten Americas, 2014
Lighting the Lean Green Museum, Lighting Journal, 2014
Lighting Conference, Goa, 2010
Professional Lighting Designers Conference, Berlin, 2009
International Association of Lighting Designers, Lightfair International Conference, Las Vegas, 2008; New York, 2005; New York, 2015
Guangzhou International Lighting Exhibition, 2007 & 2015

Experience

Lighting Design Director, KSLD, 1989- Present
DHA Lighting Ltd. London, 1985-1989
Freelance lighting design, London, 1984-1985
Designer, Technician, R.D.E. Stage and Lighting Systems Ltd. London, 1978-1984
Design Technician, Showlites Ltd. London, 1976-1978
Max Fordham & Partners, London, 1975-1976

Education

Loughborough University of Technology: BSc(Hons) Economic & Technological History & Social Psychology, 1972-1975

Natalie Redford Associate Director MSc BA MILP

Natalie began her career as a lighting designer at KSLD in 2006, before taking the opportunity to work and study in Sweden, where she gained her MSc in Architectural Lighting Design at KTH University. She also enjoyed a period teaching Architectural Lighting Design MScs at the Royal Institute of Technology, Sweden.

On Natalie's return to Scotland in 2012, she spent two years working as Associate Designer for Light Bureau in London, where she was project manager on a number of key projects.

Natalie rejoined KSLD in 2015 as an Associate, to lead projects, complete fee proposals and assist with the management of the business's image.

Natalie now fulfils a key managerial role within KSLD | EFLA Lighting Design as Associate Director of the company, liasing between the Iceland and Scotland offices. She is a strong team player who has led a number of award winning projects, bringing excellent communication and presentation skills to KSLD | EFLA Lighting Design.

Natalie is one of ten international designers selected to be a workshop leader at the 2019 Lights in Alingsås festival. She was also selected as one of Lighting magazine's 40under40 class of 2019, announced at the annual Lighting Design Awards in May 2019.

Professional Memberships

Member of the Institute for Lighting Professionals (ILP)

Educational Activities

Alingsas educational workshop leader, Sweden, 2019
MSc Teacher, Royal Institute of Technology, Sweden, 2011-2012

Lectures and Papers

Guest Lecturer at KTH, "What is Light Quality?" 2016

Awards

Lighting Design Awards, 40under40 class of 2019
SLL Young Lighter of the Year 2009; Best Presented Paper Award
ILE Best Published Lighting Journal Article 2009, Lighting and the Perception of Safety

Completed / Award Winning Projects

Scott Monument, Edinburgh, UK - Historic facade
Royal Edinburgh Military Tatoo Office, Edinburgh, UK - Historic facade
Stobo Castle, Stobo, UK - Reinstatement of historic flambeaux and facade
KIPCO Tower, Kuwait - Dynamic facade
Edinburgh City Chambers, UK - Restoration of historic light fittings and facade

Work In Progress

Queens University, Belfast, UK - Historic facade
Mirror Bridge, Lenzie, UK - Permanent light art installation
Cameron House, Alexandria, UK - Historic facade and landscape strategy
Old College, Edinburgh, UK - Historic facade

Experience

Associate Director, KSLD | EFLA Lighting Design, UK, 2018-present
Associate Lighting Designer, KSLD, UK, 2015-2018
Associate Lighting Designer, Light Bureau, UK, 2012-2014
KSLD, UK - Lighting Designer - Senior Lighting Designer 2006 - 2011

Education

KTH University, Stockholm, Sweden: MSc Architectural Lighting Design, 2008
Grays School of Art, Aberdeen: BA (Hons) Design & Craft, 2000-2004

Caroline Mowat Senior Lighting Designer MSc BA MILP

Caroline has 18 years' experience in the lighting industry, working for both lighting designers and manufacturers. She previously managed the design department of an architectural lighting distributor, providing technical and creative design support to architects, lighting designers and electrical engineers.

Caroline is a creative problem solver with a hands on approach to project management. She is highly proficient in the use of lighting calculation software and has a strong interest in how light can affect health and well-being.

Caroline joined KSLD in 2018, and brings very strong technical skills to the team. When Caroline is not chasing after her young daughter, she enjoys going to gigs and has in the past played in a band herself.

Bartlett School of Architecture, London: MSc, Light and Lighting, 2005
Napier University, Edinburgh: BA in Interior Architecture, 1999

Annette Baumann Intermediate Lighting Designer BDes

With a degree in interior and environmental design from Duncan of Jordanstone College of Art and Design, Annette has spent most of her professional life in lighting. She was a member of the international design team EMBT/RMJM working on the prestigious Scottish Parliament project before beginning her career in lighting design at KSLD. After a working sabbatical in Australia and several years as a lighting designer for another local lighting design company she has rejoined KSLD.

Annette strongly believes that good lighting is what brings a space to life, can give it another dimension and add a sense of magic. Annette enjoys the creative buzz of working in a team and adds strong design and presentation skills to the mix. When she is not working or looking after her two young children, Annette runs her own company designing and making high-end bespoke lampshades with a twist.

Claire Tomara Lighting Designer MA Lighting MArch MILP

Claire joined KSLD in 2017, after graduating from the Lighting Design Masters programme at Edinburgh Napier University. She also has a professional degree in architecture and work experience in Greece and India. Claire brings excellent communication and visual skills to KSLD | EFLA Lighting Design. Her experience in architecture, combined with lighting design, allows Claire to realise exceptional designs.

What attracts her to lighting is the way it transforms the perception of space. She is particularly interested in the lighting of the urban realm and the way it changes people's experience of the night in cities. In 2019, Claire and Natalie Redford were selected workshop leaders at Lights in Alingsås in Sweden.

Claire has organised many public realm lighting events such as: Summer Ends event, Edinburgh, Aug-Sept 2017; 12 Closes, Edinburgh, Oct 2016-Feb'17; Wizard of Oz, Dunbar, March 2017

Iceland and Norway

Kristín Ósk Þórðardóttir Senior Lighting Designer

Kristín is an Electrical Engineer and a Lighting Designer based in our Iceland office. She focused on lighting and acoustics in her masters studies at the Technical University of Denmark.

The technical part of lighting is the fun stuff for Kristín. She likes it when complicated things combined with good lighting quality and lighting control are made easy for the user. Kristín has been involved in teaching courses in lighting technology for electricians studying to be authorised electrical contractors.

Out of the office, Kristín is busy with her two kids and tries to balance her mind and body by practising yoga and studying to become a yoga teacher.

Eric Berntsson Intermediate Lighting Designer

Eric joined KSLD in 2016, after graduating from the Lighting Design programme at Jönköping University in Sweden. While studying, he assisted with lighting in night clubs in his spare time.

Eric is now based in the KSLD | EFLA Lighting Design Iceland office. He sees light as more than just a functional illumination. His passion for lighting comes from the ability light has to create a mood, and affect spatial experiences within a room's characteristics. He met Kevan Shaw during 'Lights in Alingsås' in Sweden and subsequently joined the Edinburgh office as an intern, gaining valuable project experience.

While Eric is out of the office, he likes to create digital artwork in the form of music, animation and virtual reality models. He also has a passion for computer games.

Hilde Huseklepp Lighting Designer

Hilde has a background as an Electrician and Fashion Designer. In 2012, she received a Bachelor Degree in Lighting Design from Høgskolen i Buskerud og Vestfold, Drammen. After her studies she worked at Fagerhult Belysning where she developed as a Lighting Designer, before joining EFLA in 2018. Hilde is part of the KSLD | EFLA Lighting Design team based in our Norway office.

'Less is more' is Hilde's motto in lighting design. Light is used to create experiences and the art lies in the detail. It is a medium filled with creative solutions and opportunities.

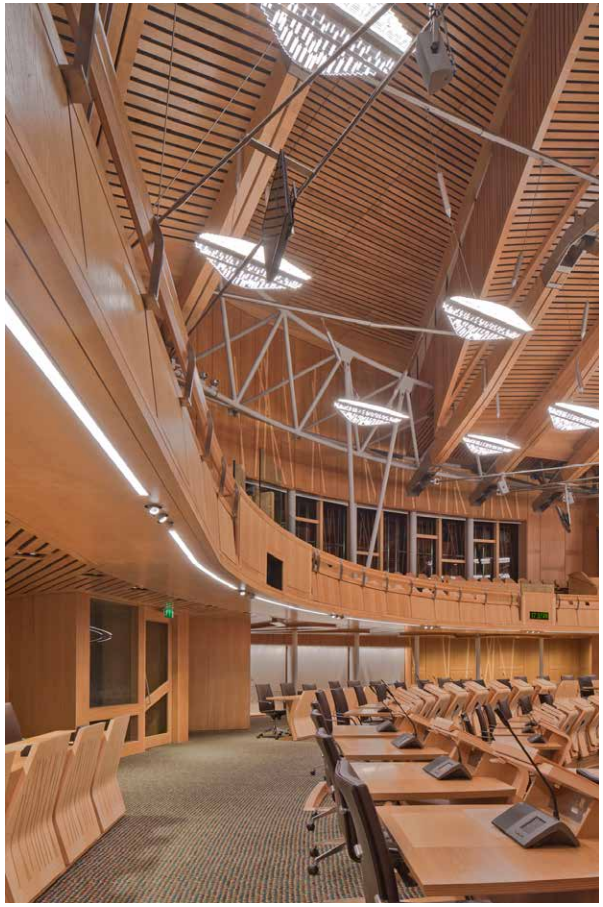
In her spare time, Hilde enjoys a wide variety of entertainment, media and music: quirky documentaries and TV shows, and dancing to all kinds of music while out partying. The rest of her time is filled up with plans for travelling the world.

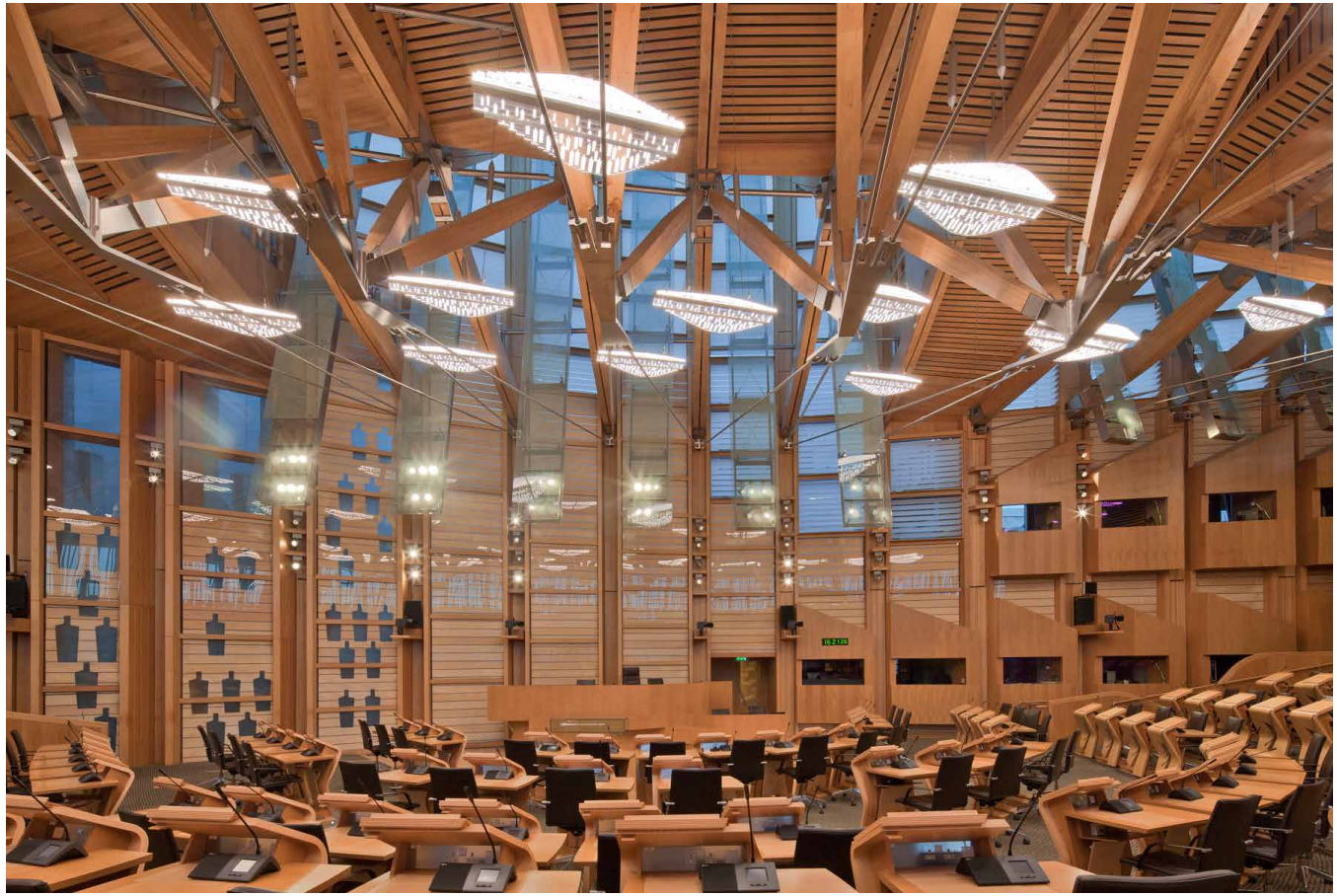
Awards

- IALD Award of Merit 2019 Scottish Parliament Debating Chamber, UK
- LIT Lighting Design Awards, Lifetime Achievement Award Kevan Shaw, Design Director, KSLD | EFLA Lighting Design
- Lighting Design Awards, 40under40 class of 2019 Natalie Redford, Associate Director, KSLD | EFLA Lighting Design
- Lux Awards 2018, Highly Commended, Office, Education and Healthcare Lighting Project Scottish Parliament Debating Chamber, UK
- Codega Awards 2018, First Prize, Lighting Design Scottish Parliament Debating Chamber, UK
- Scottish Design Awards 2018, Commended, Lighting Scottish Parliament Debating Chamber, UK
- Lighting Design Awards 2018, Commended, Workplace Lighting Scottish Parliament Debating Chamber, UK
- Scottish Design Awards 2017, Lighting Design Scott Monument, Edinburgh, UK
- Lamp Awards 2017, Finalist Scott Monument, Edinburgh, UK
- LUX Awards 2016, Shortlisted, Outdoor Lighting Project of the Year Scott Monument, Edinburgh, UK
- Light Middle East Awards 2014, Innovative Lighting Scheme of the Year KIPCO Tower, Kuwait
- Scottish Design Awards, 2014, Commended, Lighting Design Iona Abbey Museum, UK
- Lighting Design Awards 2014, Highly Commended, Public Buildings Iona Abbey Museum, UK
- LUX Awards 2013, Winner of Lighting Designer of the Year Kevan Shaw
- LUX Awards 2013, Highly Commended, Hospitality and Leisure Project of the Year Iona Abbey Museum, UK
- Lighting Design Awards 2013, Winner, Workplace Lighting Spectrum House, Glasgow, UK
- Lighting Design Awards 2011, Best Public Building The Ashmolean Museum, Oxford, UK
- Lighting Design Awards 2011, Commended, International Projects Al-Tijaria Tower, Kuwait
- Scottish Design Awards 2010, Commended, Re-use of a Listed Building Edinburgh City Chambers, UK
- Lighting Design Awards 2010, Finalist, Workplace Lighting Tanfield, Edinburgh, UK
- BCO Awards 2010, Winner, Refurbished Workplace, Scotland Tanfield, Edinburgh, UK
- Lighting Design Awards 2009, Best Public Building The Public Arts Centre, West Bromwich, UK
- Middle East Lighting Design Awards 2008, Best Exterior Aspire Tower, Doha, Qatar

Awards

Commercial





Photography by David Barbour

Scottish Parliament, Debating Chamber Edinburgh, UK

The Debating Chamber is the heart of and reason for the Parliament building. In addition to parliamentary sessions it is used for events and is part of the architectural tour of the building. Our scheme provides lighting for the sessions that are televised using HD cameras.

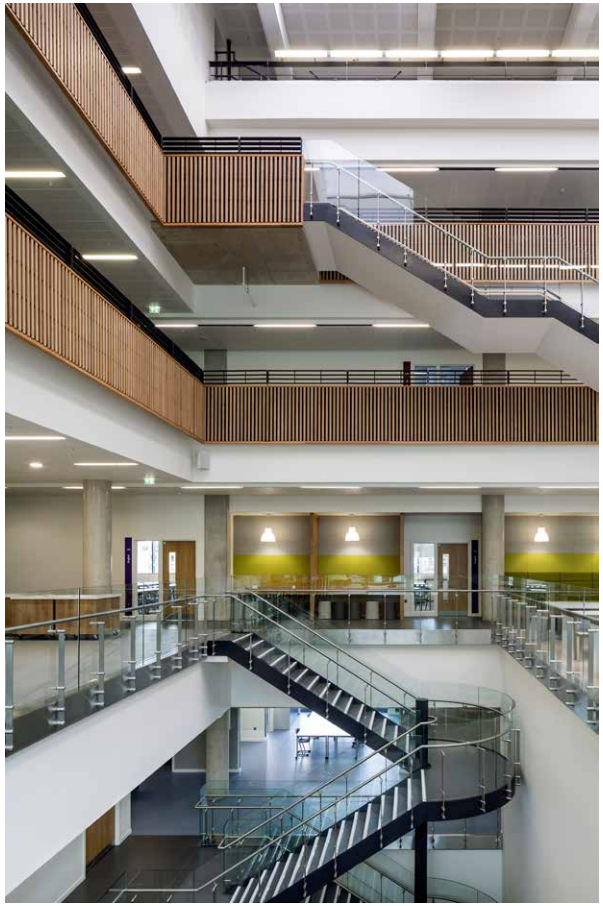
An important part of the brief was to provide high quality television lighting. We also designed daylight controls to improve TV effects and members comfort. The scheme is designed to last at least 25 years with full availability, so the fittings we designed have multiple redundancies included so that any single failure does not cause the fitting to lose more than 25% of its output. The form of the fittings reflects the shape of the chamber and the light extractors use graphic elements from the original chamber design to represent the number of MSPs.

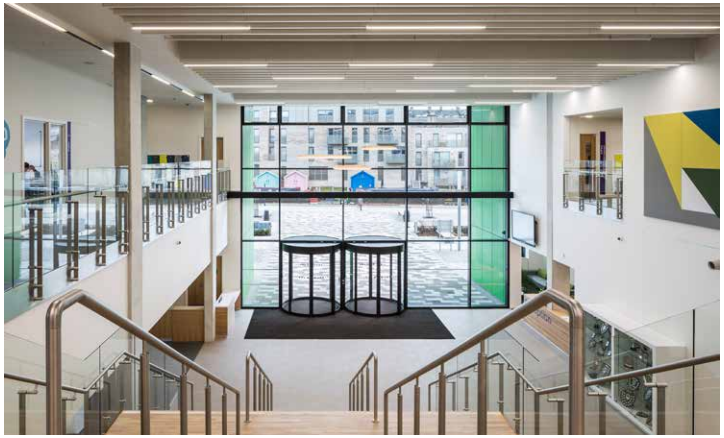
This project won an IALD Award of Merit in 2019, First Prize for Lighting Design at the Codega Awards 2018, was Commended in the Lighting Design category at the Scottish Design Awards 2018 and the Workplace Lighting category at the Lighting Design Awards 2018.

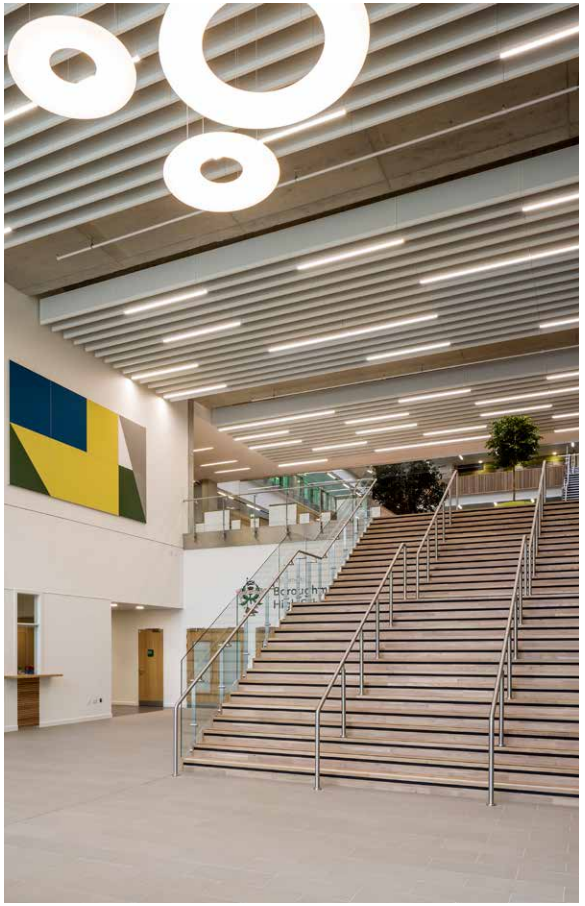
Project Images

Image © Scottish Parliamentary Corporate Body

Scottish Parliament, Debating Chamber Edinburgh, UK





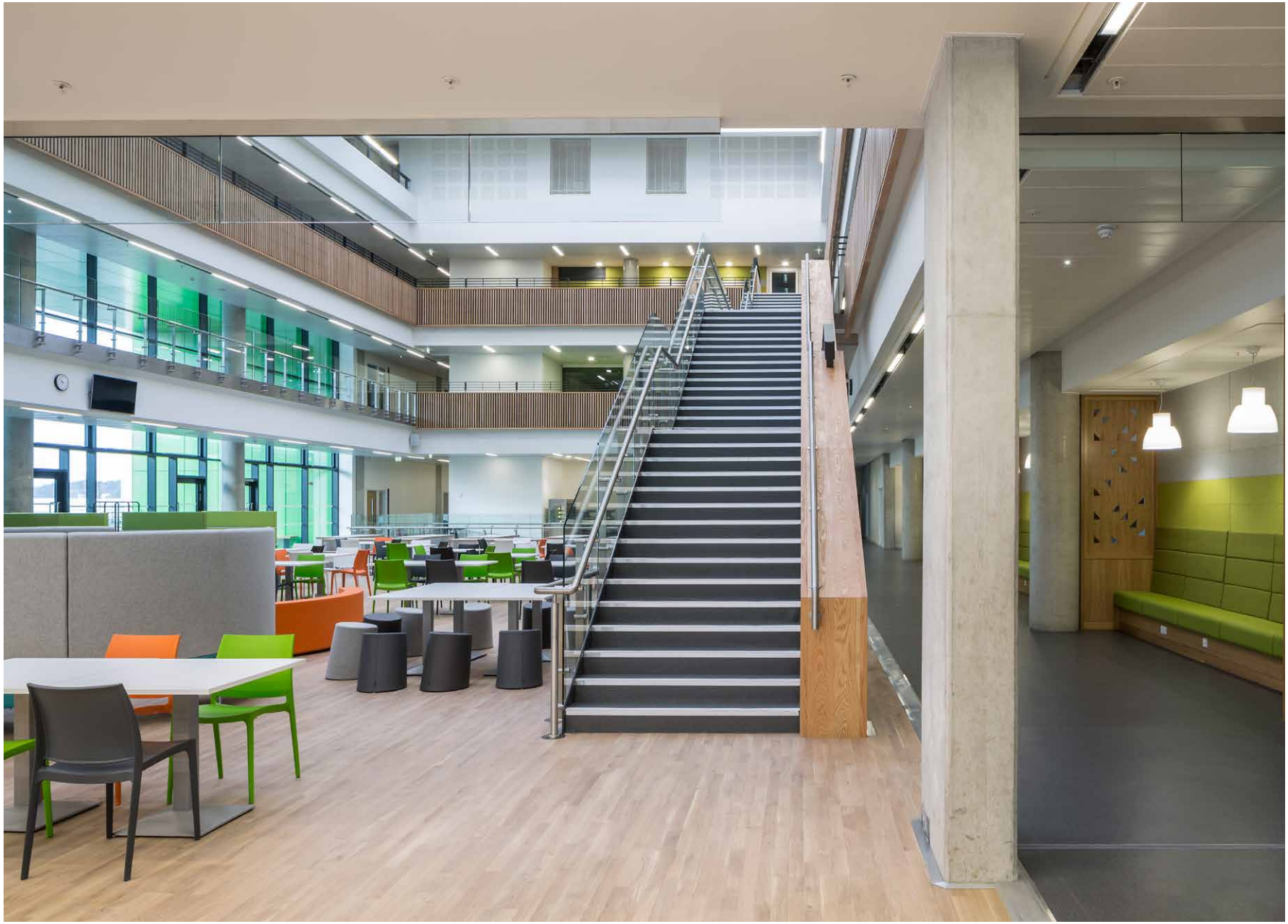


Photography by Keith Hunter

Boroughmuir High School, Edinburgh, UK

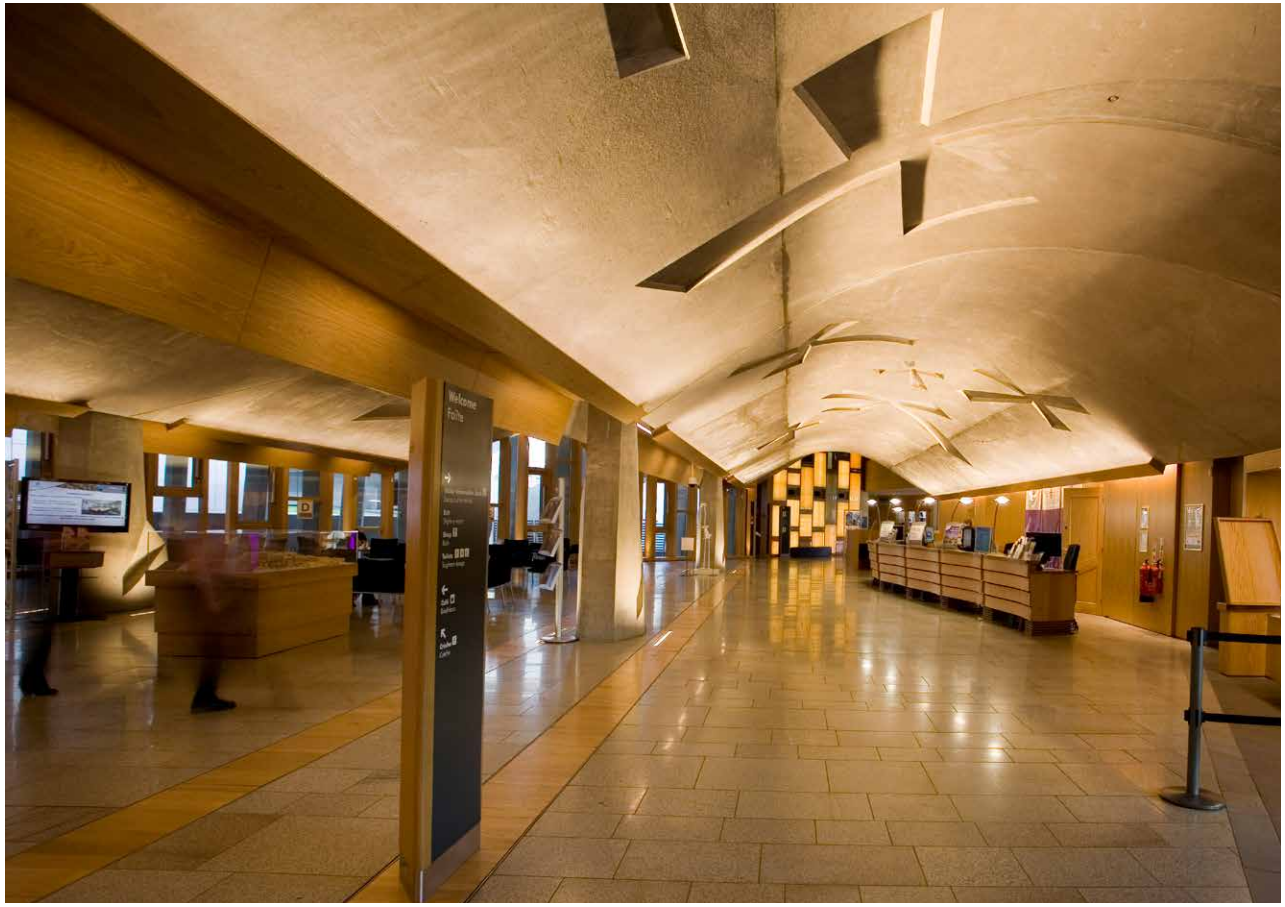
KSLD was appointed by the City of Edinburgh Council to prepare a lighting design strategy for the Boroughmuir High School at Edinburgh Quay, at the heart of the Fountainbridge regeneration plan. Our concept comprises the internal and external lighting to the atrium, entrance hall, lower atrium, entrance and facade lighting. The school sits by the Union Canal and is an integral part of this vibrant new public realm. KSLD aimed to connect the exterior to the interior via a continuous, flowing linear pattern, creating abstract movement, and simulating the sources of natural light. In the school's entrance hall, the rhythm of external louvres, vertically shading the interior, is repeated in perspective, travelling across the entrance ceiling. This rhythm transfers the sense of openness to the interior, and by return, conveys the eye from within the school to the waterway outside. The vast, luminous atrium at the school's core required continuous, linear elements to provide both lighting to the circulating corridors and walkways during the day and to reach into the social heart of the building when daylight fades. Artificial lighting levels were designed to be controllable, using a daylight harvesting lighting control system, to balance and enhance natural levels, with the potential for scene setting should functions or performances need brighter or dimmer settings.

Project Images



Photography by Keith Hunter

Boroughmuir High School, Edinburgh, UK



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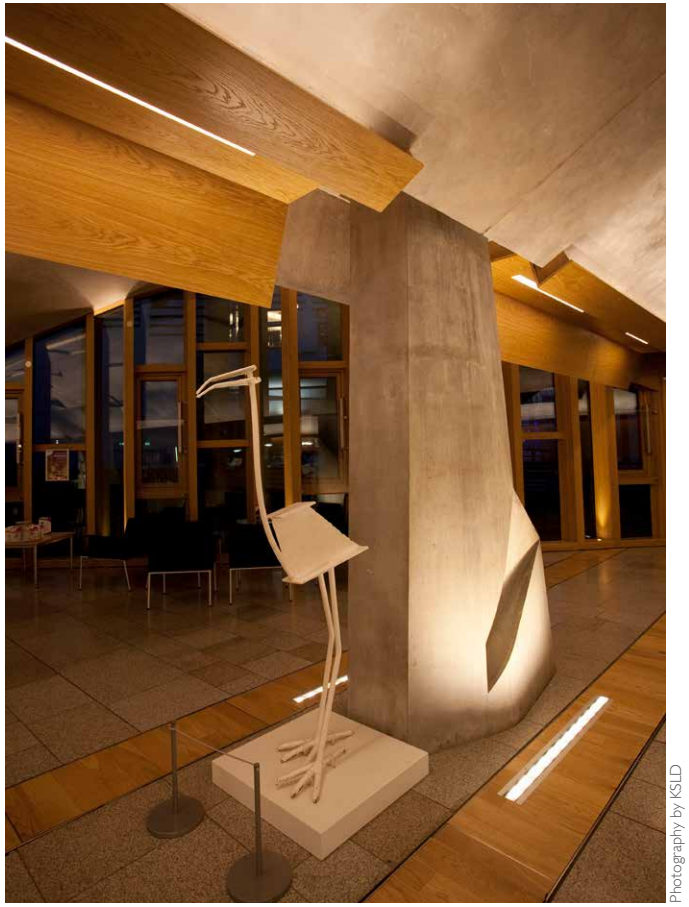
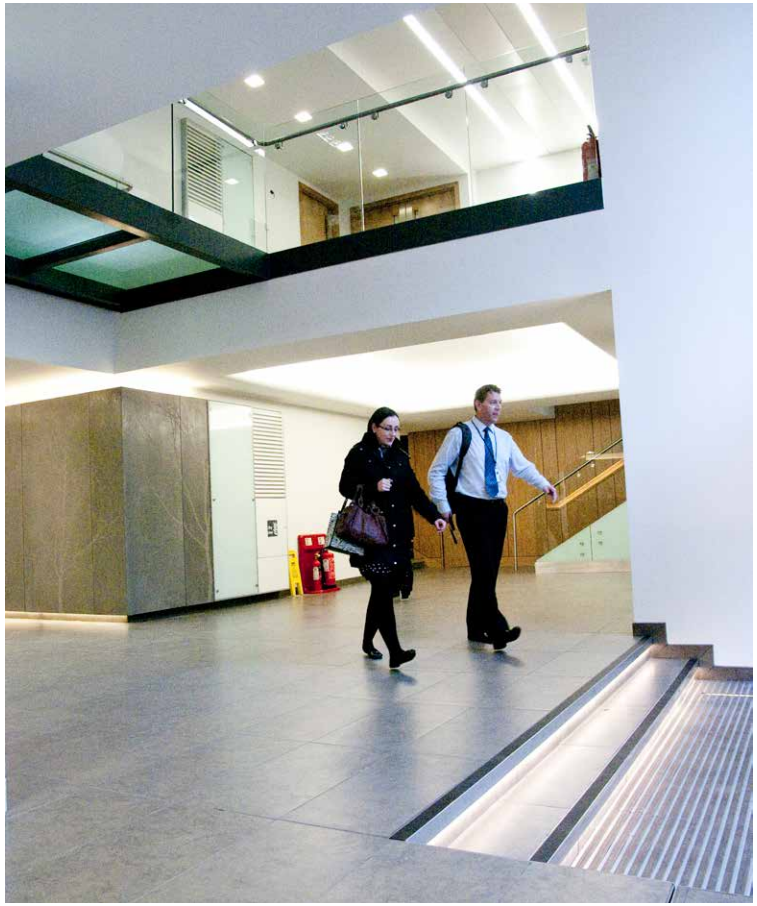


Photography by KSLD

Scottish Parliament, Main Hall, Edinburgh, UK

The main hall in the Scottish Parliament building is the primary public space within the complex. Apart from being the principle meeting point and reception, the main hall also hosts a programme of exhibitions and events.

Our scheme provides lighting to the concrete vaults and accents the sculptural 'flame' columns and warm timber surfaces. During the project we reviewed the architect's original visuals for the space and it is clear that upward lighting was intended, however the LED technologies which make this simpler to achieve, were not available when the building was constructed. Besides the warm white lighting we have incorporated a parliamentary purple scheme to enhance the space during events. Lighting is integrated within new timber coves, with detailing following on from the existing architectural pallet. Although it is now a warmer and more welcoming space, the architect's intent of a visual progression has been maintained.

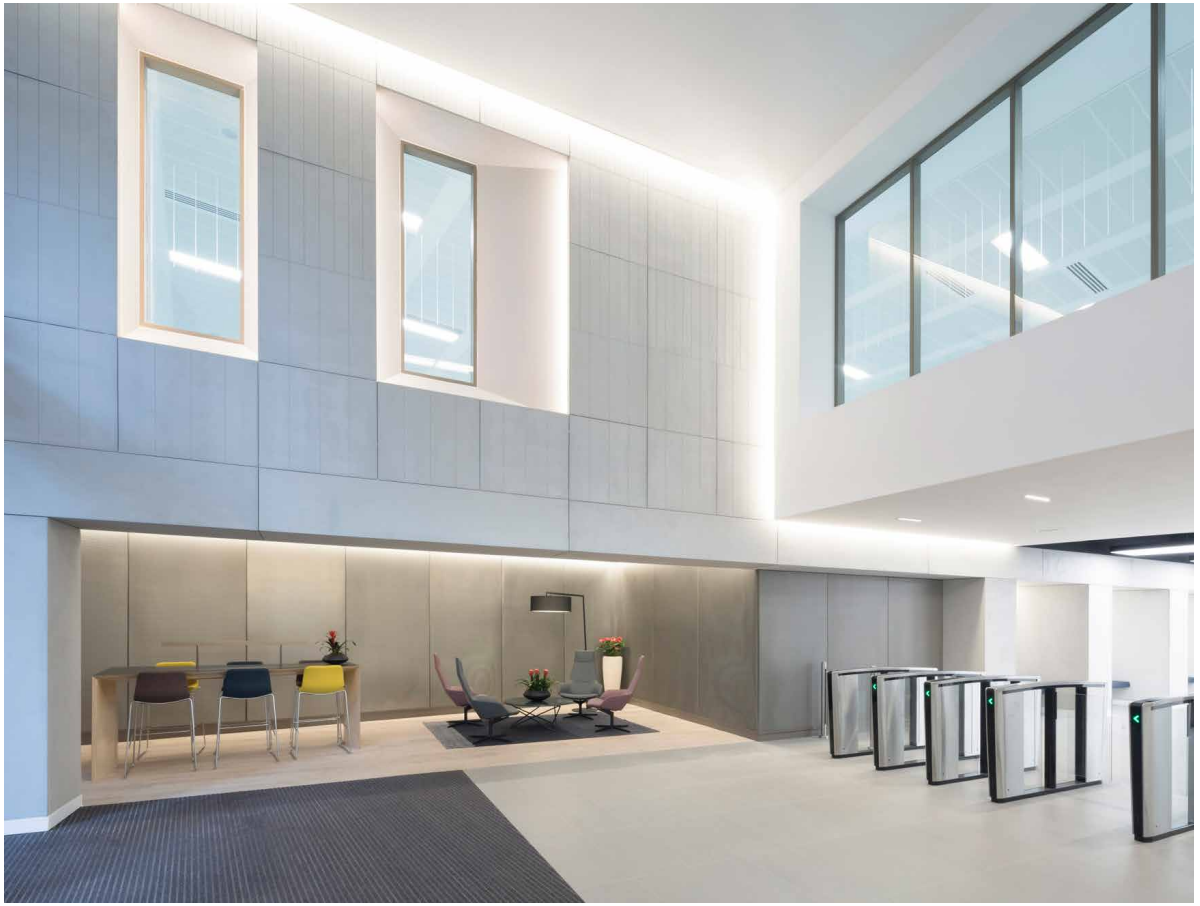


Spectrum House, Glasgow, UK

KSLD worked with Michael Laird Architects to improve the visibility and appeal of the existing commercial rental property, Spectrum Building, for its prospective occupants. This was achieved by creating an uplifting lighting scheme, improving the on-street presence and bringing the building interior up-to-date. Areas included in the scheme were the exterior facade, entrance lobby, first floor lobby areas and main staircase. The concept throughout was minimal, linear, clean and bright.

An array of simple LED light boxes on the facade with the facility for basic animation gives a bold yet sophisticated statement at street level. The light boxes are programmed in a random fade sequence, set to be active during the early hours of the evening when footfall adjacent to the building is high. The slow fade and gentle differentiation between panels creates a subtle and timeless animation.

This project won the Workplace Lighting category at the Lighting Design Awards 2013.



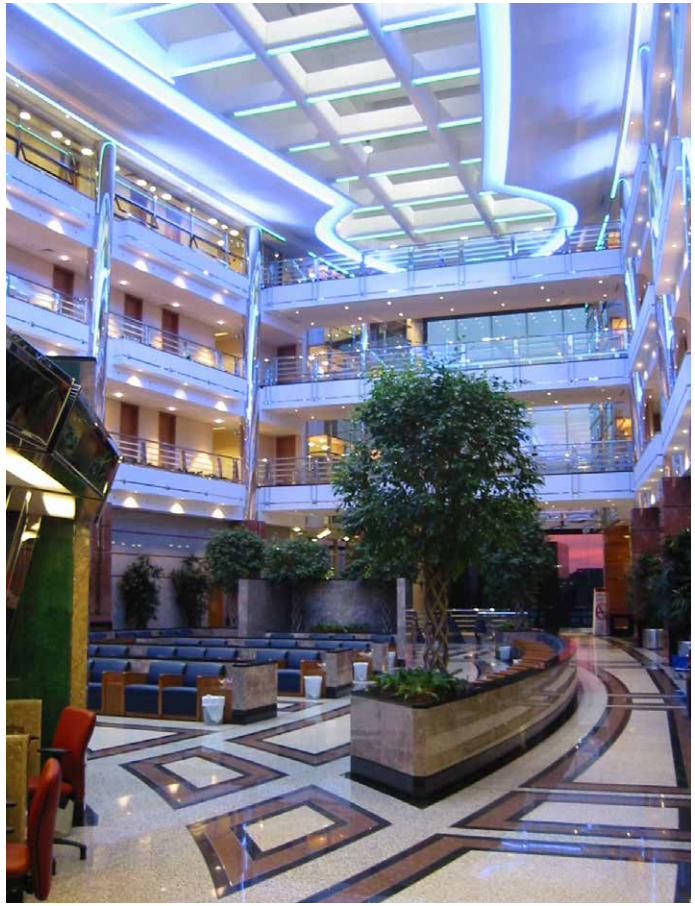
Photography by Alan McAteer

191 West George Street, Glasgow, UK

This project is the redevelopment of an existing office building to create a new entrance sequence, replacing a dated atrium that has been recovered to provide additional lettable floor space.

The lighting design is closely integrated with the architecture, using linear slots and coves that wash walls and soffits with light. The window recesses are also used to create a sense of light and form. The lift lobby has a ceiling formed from panels of light recovering the sense of a lit atrium and creating a significant level of brightness to draw people through the building from the outside.

The lighting is warm LED throughout, creating a feeling of richness to the materials specified within the spaces, and indirect lighting creates a softness and pleasantness for those waiting in reception.

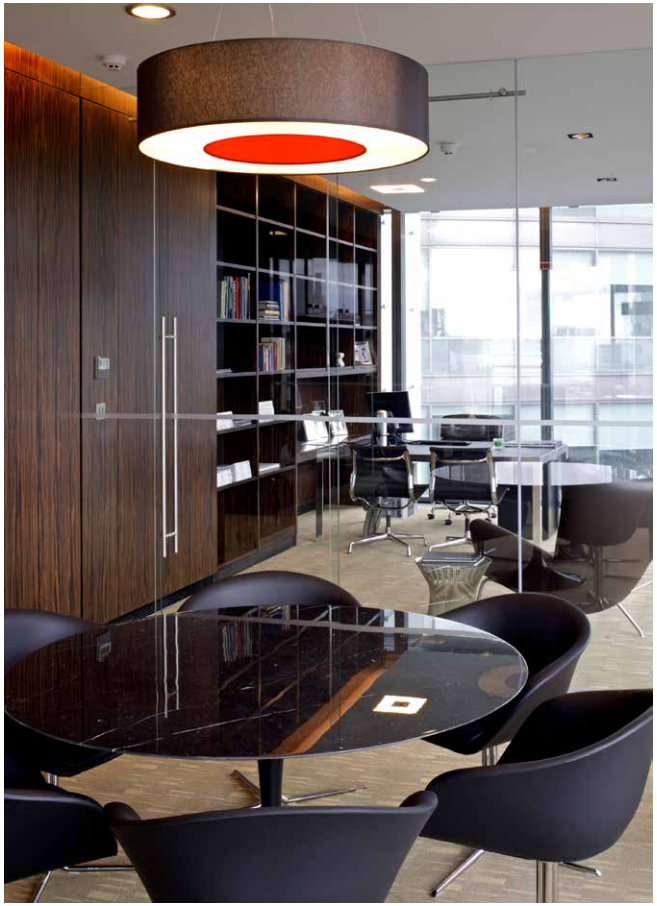


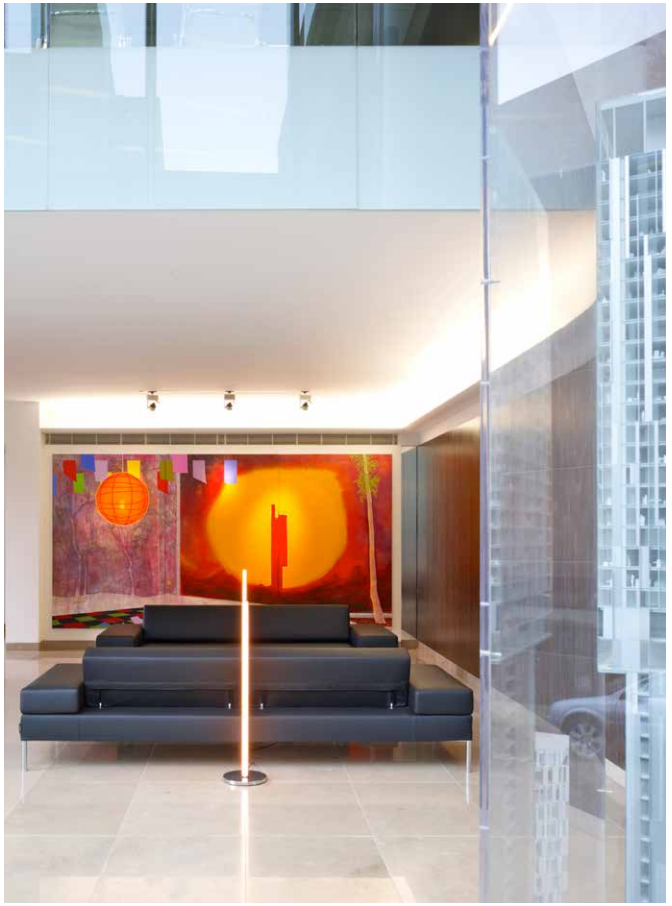
Photography by Kevan Shaw, KSLD

The Public Institute for Social Security, Kuwait

KSLD's input to the interior scheme included the main transaction hall in the podium building, subsidiary transaction areas on the ground floor, the VIP entrance, conference centre, elevator lobbies, the boardroom floor and executive floor. The interior design is strongly influenced by Kuwaiti culture as this building is where all the population interface with the government. KSLD brought state of the art lighting approaches and techniques to the scheme. Lighting controls are used extensively throughout the project with push button panels and wireless graphic tablets for the executive offices, auditorium and boardroom to allow the user to create specific scenes and change them as required for meetings and presentations.

This project won Best Public Building in the Middle East Lighting Design Awards 2007.



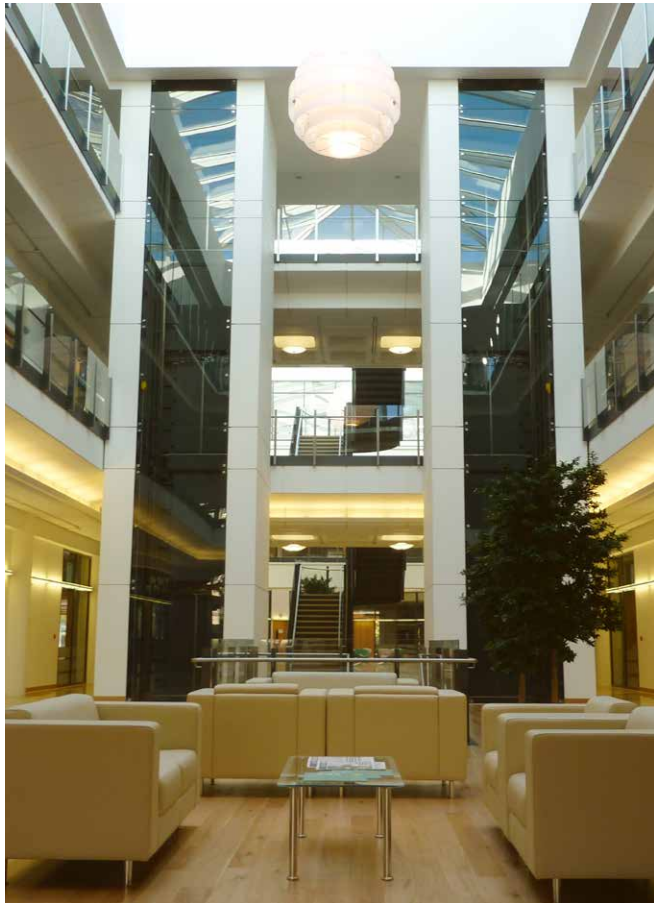


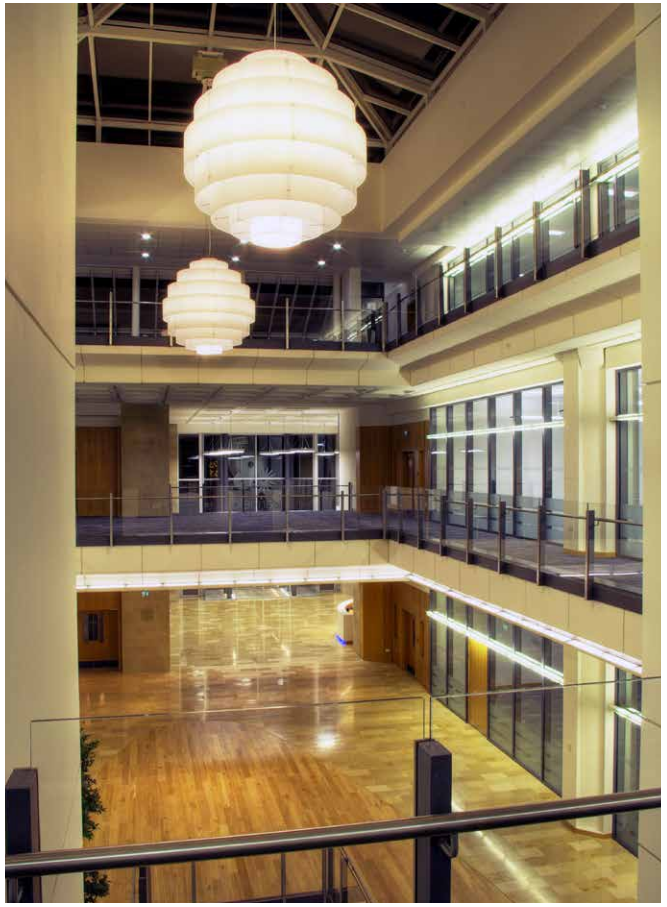
Photography by Tim Soar

West Tower, Liverpool, UK

At 40 storeys high, West Tower is Liverpool's tallest building. It is the flagship headquarters for the Beetham Organisation which occupies the first five floors, with floors five to 39 providing luxury apartments and penthouses. Panoramic 34, an exclusive bar and restaurant, is situated on the 34th floor, almost 400ft above street level.

KSLD provided lighting design for the Beetham Organisation's interior spaces, the Panoramic 34 restaurant and exterior facades. The West Tower was designed by Aedas, with interiors by KKS Strategy.





Photography by James Gibson

Tanfield, Edinburgh, UK

Tanfield was designed in the late 1980s and features an exposed cast concrete coffered ceiling, which set many lighting challenges. During the recent refurbishment of the building, the architects agreed that the lighting scheme should also be updated. Our proposed pendant solution provides adequate lighting for general use of the office floor space, as well as uplighting to the coffered soffit, expressing the generous height available. Luminaire selection was critical; therefore we concentrated on high quality functional fittings for the office spaces. The architecture boasts triple height atria, which provided us with the opportunity to create unique large scale decorative pendants. The luminaires are reflected generously throughout the project, creating a stunning visual environment.

This project was shortlisted in the Workplace Lighting category at the Lighting Design Awards 2010 and won Refurbished Workplace, Scotland at the BCO Awards 2010.

Photography by Millers Photography

Royal Bank of Scotland World Headquarters, Edinburgh, UK

The main building was conceived as a small town, with High Street, squares and neighbourhoods; each 'business house' having its own landscaped courtyard. The Street acts as the main circulation spine - the social focus for the building - and unlike many 'street' buildings, is actually designed to perform as a working street with a number of retail units. There are three main sections of street linked by knuckles, creating changes of direction along a general east-west axis, with the westerly end forming the atrium to the executive wing for the building. The street has large glazed skylights along its main branches and large areas of vertical glazing in the knuckles, providing a sufficient daylight factor to minimise the requirement for additional artificial lighting during daylight hours.

KSLD also designed the lighting for many other parts of the development including the restaurant, executive offices and boardroom, conference centre, leisure centre and swimming pool, as well as the landscape and historic Gogarburn House.

The entire scheme was delivered to programme within a tight budget.

Exterior

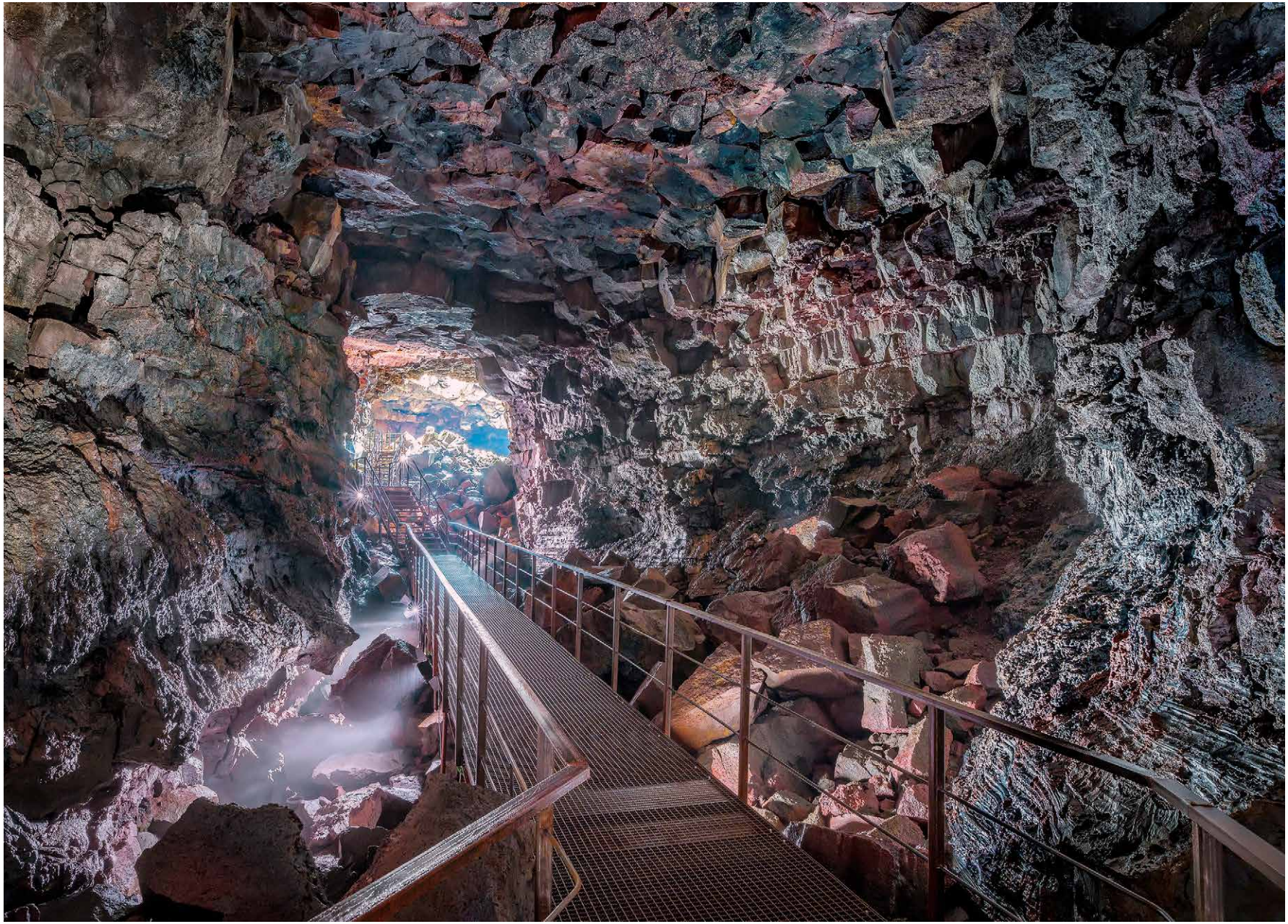
Photography by Petur Thor Ragnarsson

The Lava Tunnel, Raufarhólshellir, Suðurland, Iceland

Raufarhólshellir is a 1.3km long cave formed by lava flow 5,600 years ago. Before the installation of a walking path and lighting system, the cave suffered from the accumulation of waste and damage left by visitors. A path was created to enable visitors to walk safely through the cave, and to protect its natural shape and form from harm. The lighting system installed along the path plays an important role, aiming to enhance the atmosphere and give the visitors a memorable experience. The objective was to produce a strong interaction between shadow, light and the colour of natural surfaces. The focusing of the lighting was designed to illuminate the geological highlights of the cave, while seeming to be a part of the cave itself. Subtle contrasts between the pathways and surroundings were introduced to sensitively guide the visitors through the cave.

This project was Highly Commended in the Public Realm and Landscape category at the Lighting Design Awards 2019, winner at the Icelandic Lighting Design Awards 2018 in the Outdoor Lighting category; winner of Best Landscape Lighting Scheme, High Budget at the darc awards 2018; and winner in the Landscape Lighting category at the LIT Lighting Design Awards.

Project Images



Photography by Petur Thor Ragnarsson

The Lava Tunnel, Raufarhólshellir, Suðurland, Iceland

Photography by Sigurjon Ragnar Photography

The Ice Cave, Ísgöngin Langjökli, Langjökull, Iceland

Langjökull is Icelandic for "long glacier". Ísgöngin Langjökli is the second largest ice cap on Iceland. EFLA started to explore the possibility of making an ice cave in 2010, researching aspects of security, and how long the tunnels will last. The project was sufficiently developed to allow investment in the project without much uncertainty. In 2013, an agreement was made and construction could begin.

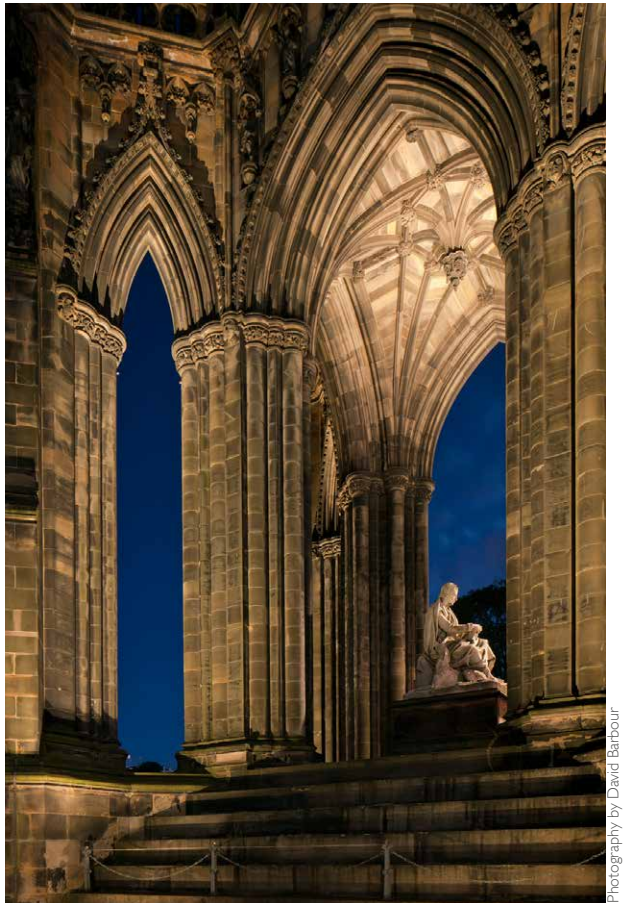
The aim of the lighting in the cave was to maximise the visitor experience and to illuminate the natural colours of the ice. Thickness, shapes and ash from volcano eruptions are highlighted throughout the cave. This was achieved by recessing all the light sources into the ice, making the source of light itself completely hidden away from sight.

This project was winner of 'Best Landscape Lighting Scheme' and 'Best of the Best' at the darc Awards, 2016

Project Images

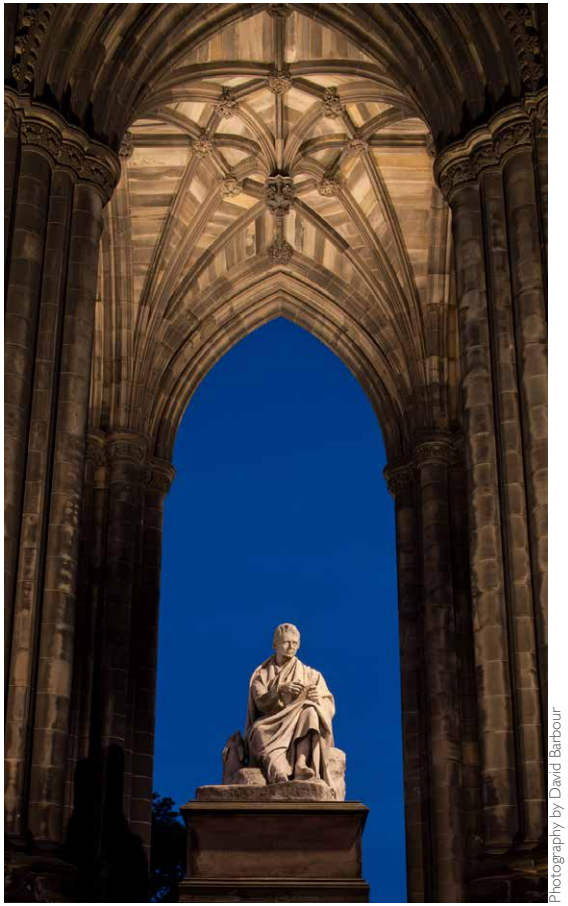
Photography by Sigurjon Ragnar Photography

The Ice Cave, Ísgöngin Langjökli, Langjökull, Iceland



Photography by David Barbour

Photography by Lee Live



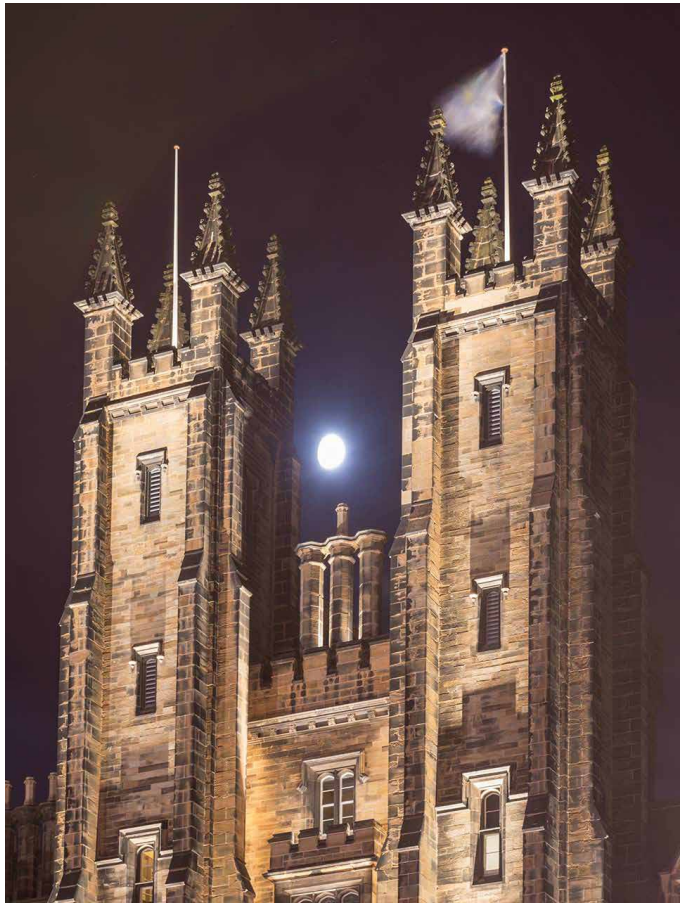
Photography by David Barbour

Scott Monument, Edinburgh, UK

KSLD was chosen to provide this beautiful Gothic structure with the lighting that both it and the City of Edinburgh deserves.

The detailed figures and features of the monument provided the main inspiration and focus for the lighting scheme. However, early tests showed that the masonry projected a greenish hue under certain lights. After careful research, a Xicato Separated Phosphor luminaire was chosen to enhance the sparkle within the stonework. The second challenge was the historical nature of the monument itself. The masonry is immensely fragile, and restricted us to using existing mounts, working to avoid additional punctures that could cause cracking or structural issues in the future. Custom bollards now illuminate the base of the monument, linking the structure to its urban surroundings.

This project was shortlisted in the Outdoor Lighting Project of the Year category of the LUX Awards 2016, was winner in the Lighting Design category at the Scottish Design Awards 2017 and Finalist at the Lamp Awards 2017.



New College, University of Edinburgh, UK

New College is one of the most renowned centres for Postgraduate Studies in Theology and Religion in the world and has held a commanding position at the top of The Mound and the Edinburgh skyline, since 1846. As part of the University of Edinburgh's renovation project for the College, KSLD was asked to create a new lighting scheme for the exterior of the building. The lighting was installed in conjunction with a stone repairs project, allowing us to find and test locations for lighting.

We took a sculptural approach, to emphasise the verticality of the towers and to try to bring the monumental architecture to life at night. We sought a contrast between lit surfaces and those left in shadow, to emphasise the detail of the geometry. Careful consideration was given to the colour temperature and spectral quality of light from the LEDs, to ensure the natural colour of the stonework was enhanced at night. LED light sources were used exclusively throughout, for longevity of the installation and to minimise energy consumption.

This project has been nominated in the Lighting Design category at the Scottish Design Awards 2018.

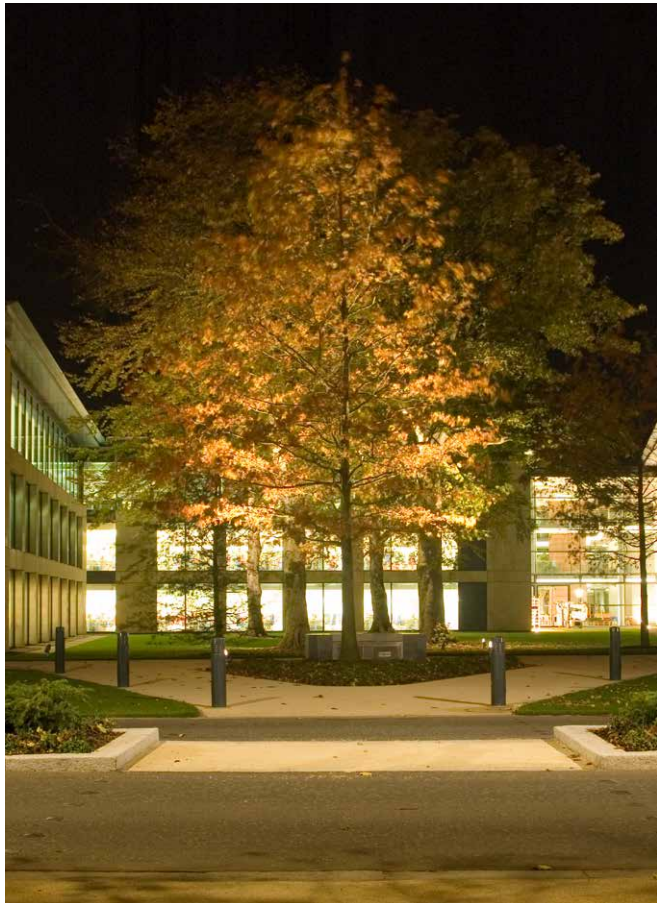
Photography by KSLD

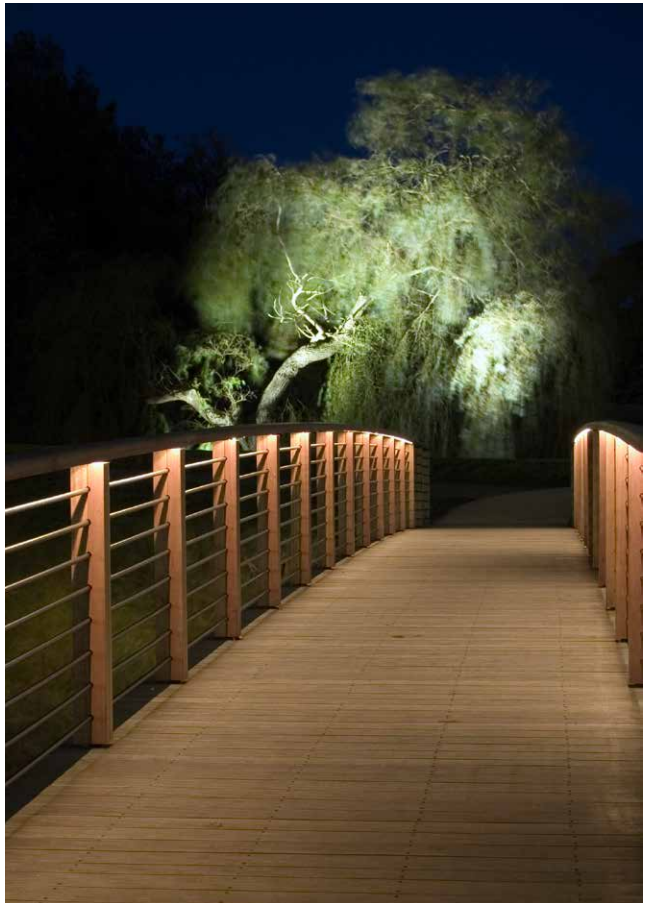
Stobo Castle Hotel and Spa, Scotland, UK

KSLD was chosen to update the exterior lighting at Stobo Castle Hotel and Spa near Peebles, Scotland. The team collaborated with specialists at Beltane Studios to design the delicate bronze flambeaux that mark the entrance to the Castle.

The design was influenced by local wild flowers and wildlife. Abstract antler and thistle forms can be identified within the body of the bronze structure. Working closely with flambeaux specialists, KSLD designed the internal make-up of the flambeaux units to promote stable vibrant gas flames.

Warm light from LED luminaires washes up the facade, showing the undulating texture of the historic stone. Miniature bracket mounted luminaires are concealed behind the battlements, subtly highlighting the Castle's outline.





Photography by Malcolm Innes

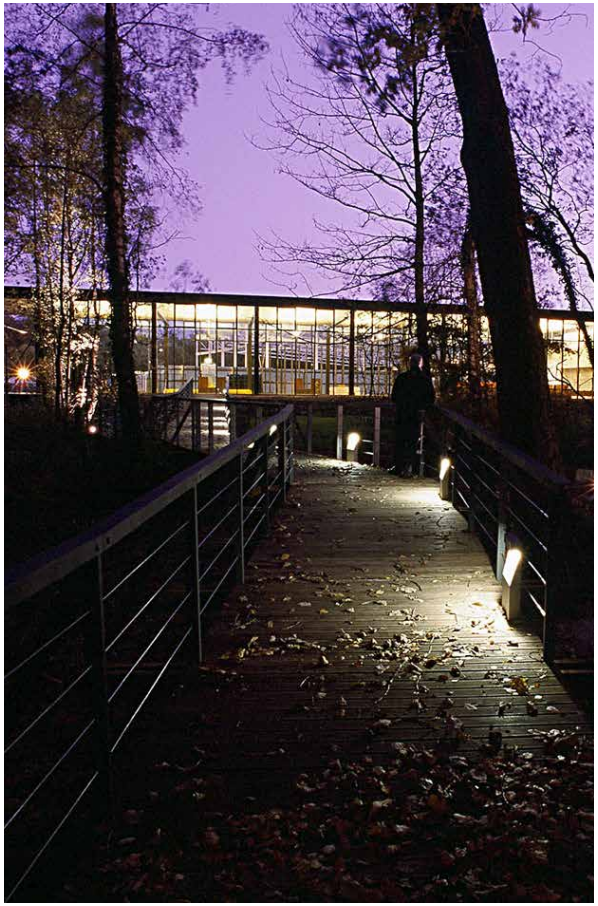
Landscape, Royal Bank of Scotland World Headquarters, Edinburgh, UK

The Royal Bank of Scotland landscaping covers 100 acres. The site is sensitive as it is at the edge of Edinburgh's green belt and adjacent to Edinburgh International Airport. The design applies a light touch, creating distinct compositions around specimen trees and landscape features. By positioning fittings below overhangs and tree canopies, and lighting from the inside of the tree canopies, KSLD has minimised upward spill light. The lamps are warm white to achieve the best colour rendering for the varied leaves. The control system uses daylight sensors and time clocks to minimise energy use.

This project was awarded a Commendation at the Lighting Design Awards 2006.

Landscape, Royal Bank of Scotland World Headquarters, Edinburgh, UK

Project Images



Photography by KSLD

Lomond Shores, Loch Lomond, UK

The Lomond Shores visitors attraction posed several challenges as much of the building is glazed to increase views of the impressive landscape beyond and also many surfaces were of exposed concrete. The lighting had to ensure that the views were preserved during hours of darkness. The film theatre and public hall have high ceilings, inaccessible without a tower scaffold, so the lighting solutions had to be carefully considered to avoid glare and to provide ease of maintenance. The lighting of the woodland behind the National Gateway Centre was an integral part of the lighting design brief and concept for this building. The careful application of light to the interior and exterior spaces would allow the glazed building to appear transparent during hours of darkness. The interior lighting was to be sympathetic to the scale and form of the architecture. An automated control system allows programmed and manual scenes to be selected by the user.

The West Tower, Liverpool, UK (exterior)

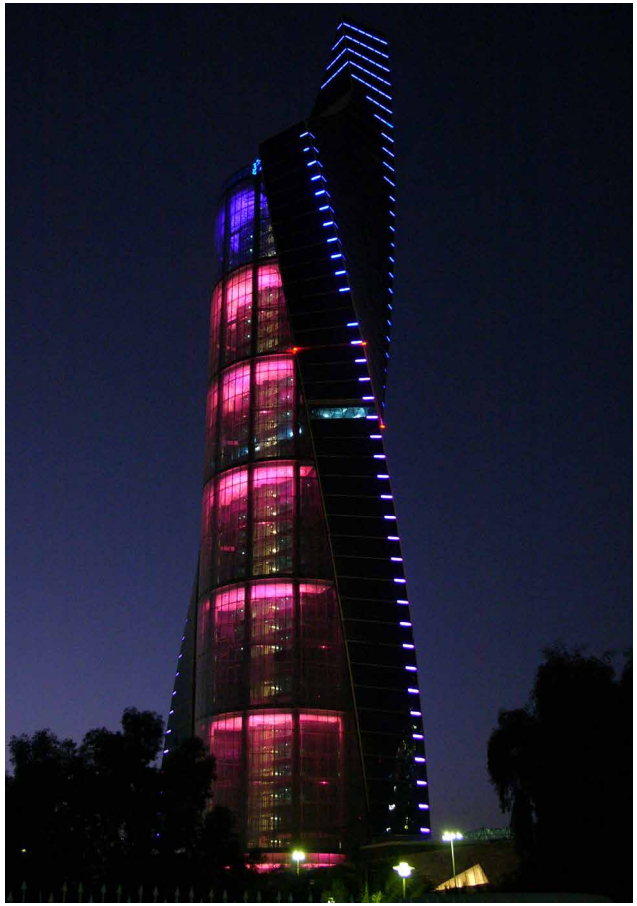
At 40 storeys high, West Tower is Liverpool's tallest building and is the flagship headquarters for the Beetham Organisation who occupy the first 5 floors, with floors 5 to 39 providing luxury apartments and penthouses. On the 34th floor is Panoramic, an exclusive bar and restaurant almost 400ft above street level. KSLD provided lighting design for Beetham's areas as well as the exterior and the Panoramic restaurant. The West Tower was designed by Aedas with interiors by KKS Strategy.

Photography by Kevan Shaw KSLD

Aspire Tower, Doha, Qatar

Aspire Tower is a national icon for Qatar. It is the tallest building in the country and is specifically associated with the National Centre of Sports Excellence in the Middle East. The building had to be completed within 15 months for the Asian Games of 2006, and thereafter as a focus for events in the sports complex and national celebrations. The lighting had to be very flexible allowing the tower to convey moods and imagery relating to specific events. The tower was operational for the Games and ran special programmes synchronised with the opening and closing ceremonies, visible from across Doha. 2007 saw additional lighting installed at the top of the tower, a water-mist flame effect and searchlights to complete our initial design.

This building won the Exterior Lighting category at the Middle East Lighting Design Awards 2008.



Photography by Martin Granese KSLD

Al-Tijara Tower, Kuwait

KSLD completed the night-time identity lighting scheme to the 52-storey Al-Tijaria Tower in 2010. The brief called for a lighting scheme that would show off this signature building in the Kuwait skyline. By concentrating the lighting to the corners of the off-axis floor plates and uplighting into the 6-storey high atria, KSLD have accented the twisting shape of the building around a stable core. A DMX addressable control system operates the colour-changing LED, cold cathode and metal halide luminaires that were used. Different programmed shows available to the client include slow moving colour changes and fades, recalling natural movements of wind and sun; this ensures that the building is never quite the same every time you look at it. The colour palette was chosen around secondary and tertiary colours which rendered well onto the building with a depth of colour and intensity.

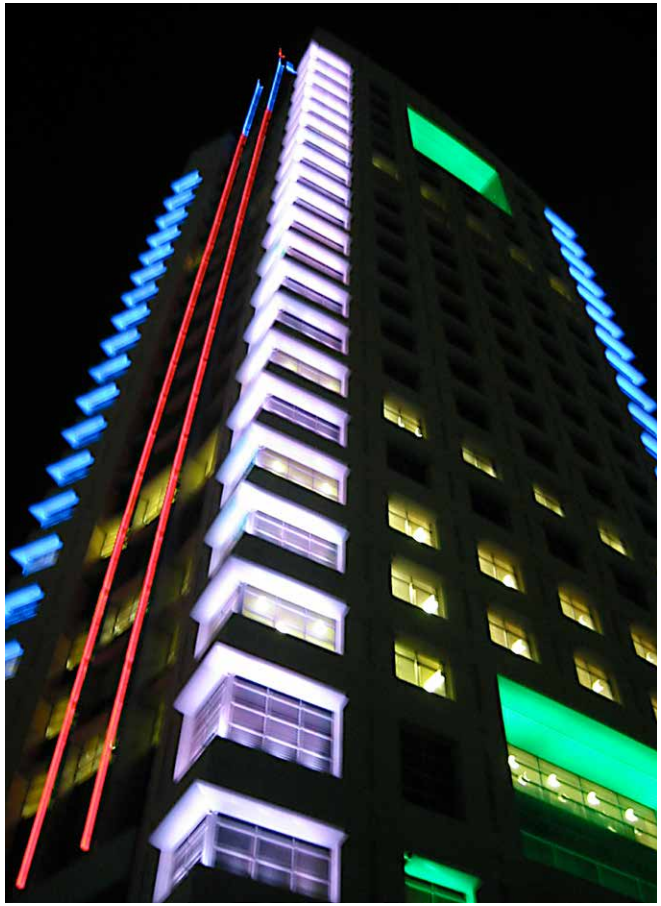
This project was awarded a Commendation in the International Project category at the Lighting Design Awards 2011.

Photography by Kevan Shaw, KSLD

KIPCO Tower, Kuwait City, Kuwait

The lighting to KIPCO Tower (formerly known as United Tower) consists of coloured panels set in the architecture with random coloured glazing to the spandrel panels. LED lighting is integrated into the spandrel glazing, providing a random arrangement of single colour elements. The themes chosen to animate these are 'waterfall', a gentle cascade in green and blue colours; 'diamond,' which animates all colours with a white sparkle provided by random strobing of white panels; and a Kuwait flag, with edge lighting in the flag colours of red, white and green, and a red and white animation over a green ground. The tower stands out powerfully among the other lit towers; the edge lighting defining the curvaceous form and the animations reading clearly against the sky and background of lit buildings around the site. Technically the solution is carefully considered. The LED light fittings are thermally bonded to blind boxes in the air conditioned space to ensure adequate cooling. Control is by DMX: each lighting element being individually addressed and grouped by location and colour to ensure straight forward response to dynamics developed in the control system.

This project won the Award for Innovative Lighting Project of the Year at the Light Middle East Awards 2014.



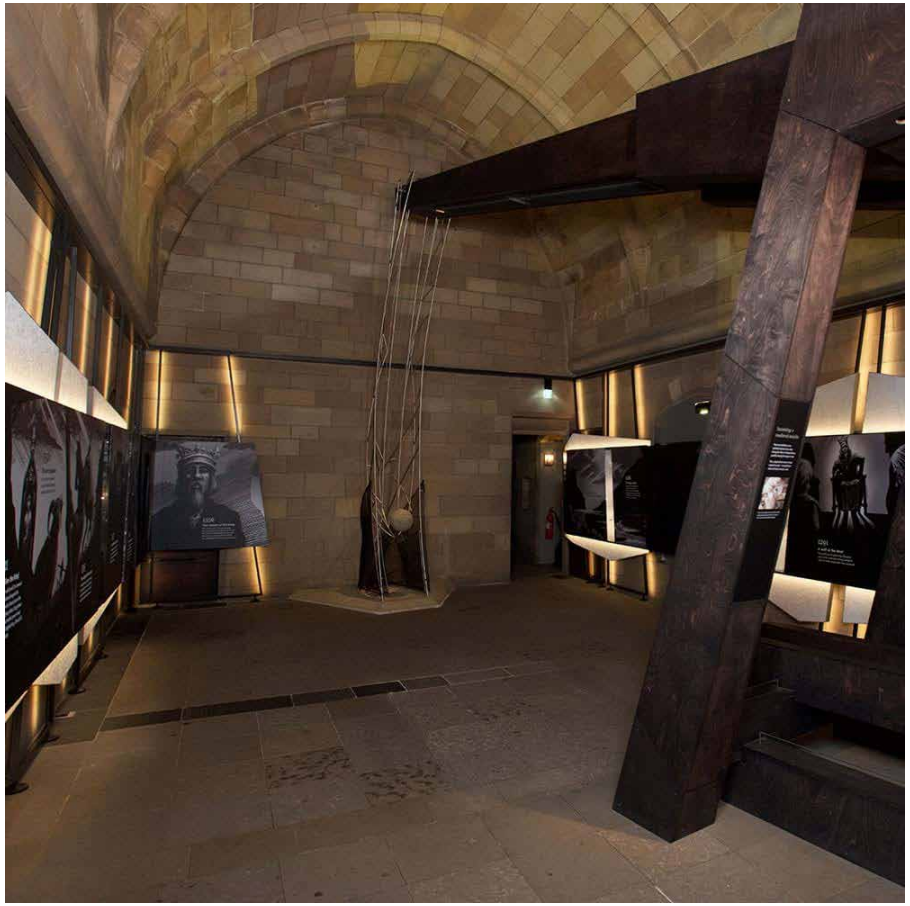
Photography by Kevan Shaw, KSLD

Public Institute for Social Security, Kuwait

The Public Institute for Social Security consists of a three storey podium building housing transaction areas, a conference centre and a café, the 23 storey tower houses offices and an executive suite. The project uses nearly a quarter of a million Light Emitting Diodes in 800 fittings distributed around the edges of the building. The project is unusual for an LED solution, in that the majority of the fittings light surfaces on the building rather than becoming markers or visible lines or points of light.

This project won Best Public Building in the Middle East Lighting Design Awards 2007.

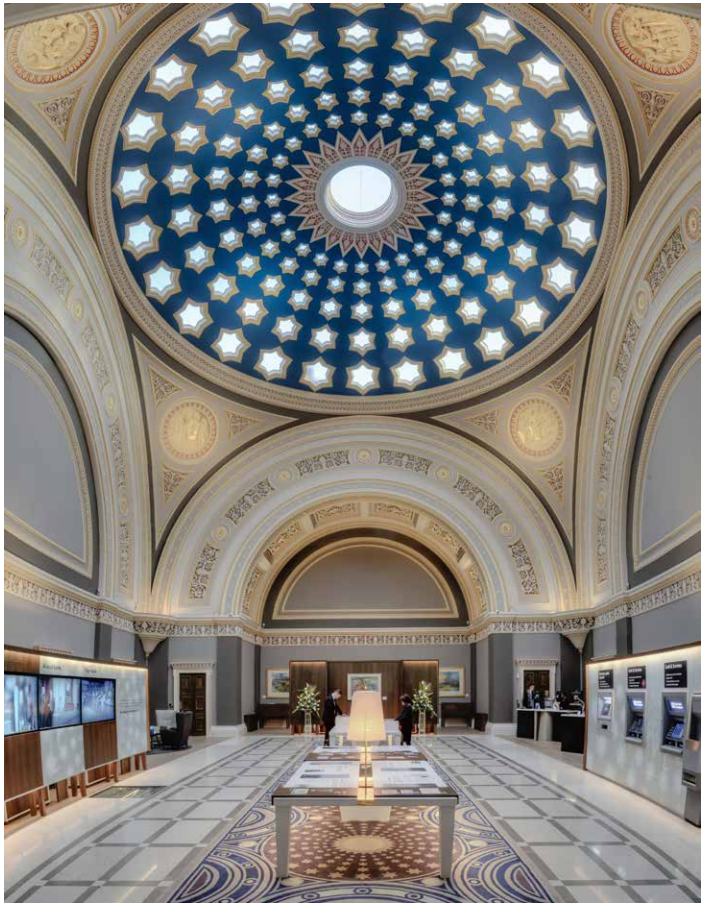
Historic



Photography by Rob McDougall

Fight for the Castle Exhibition, Argyle Tower, Edinburgh Castle, UK

Argyle Tower is built over the Portcullis Gate entrance to Edinburgh Castle. KSLD | EFLA was commissioned by Historic Environment Scotland to design the lighting as an integral part of their new Fight for the Castle exhibition. Our scheme is fully integrated with projections on the vaulted ceiling and short animations in each of the five niches. The lighting equipment is fully concealed in the exhibition structure; mostly consisting of linear LED fittings by KKDC with carefully selected colour temperatures and optical distributions. Each fitting is detailed into the structures at specific angles and distances to achieve highly controlled illumination. There are five museum cases of artefacts relating to the storytelling. Each of these uses MSL Protozoa fittings built into cases on rails to allow fully flexible positioning and focussing onto artefacts and text. A dramatic feature of the exhibition is an abstracted trebuchet that reaches across the room. This contains a framing projector to illuminate a stone ball believed to have been fired at the Castle during the siege of 1296, and spotlighting for text panels. Emergency lighting is concealed within the trebuchet as well as work lights for cleaning and maintenance. Overall lighting levels are quite low, allowing for dramatic projections onto the vault, while providing the appropriate atmosphere for the rich history within the exhibition, which takes place mostly at night.



Photography by Renzo Mazzolini

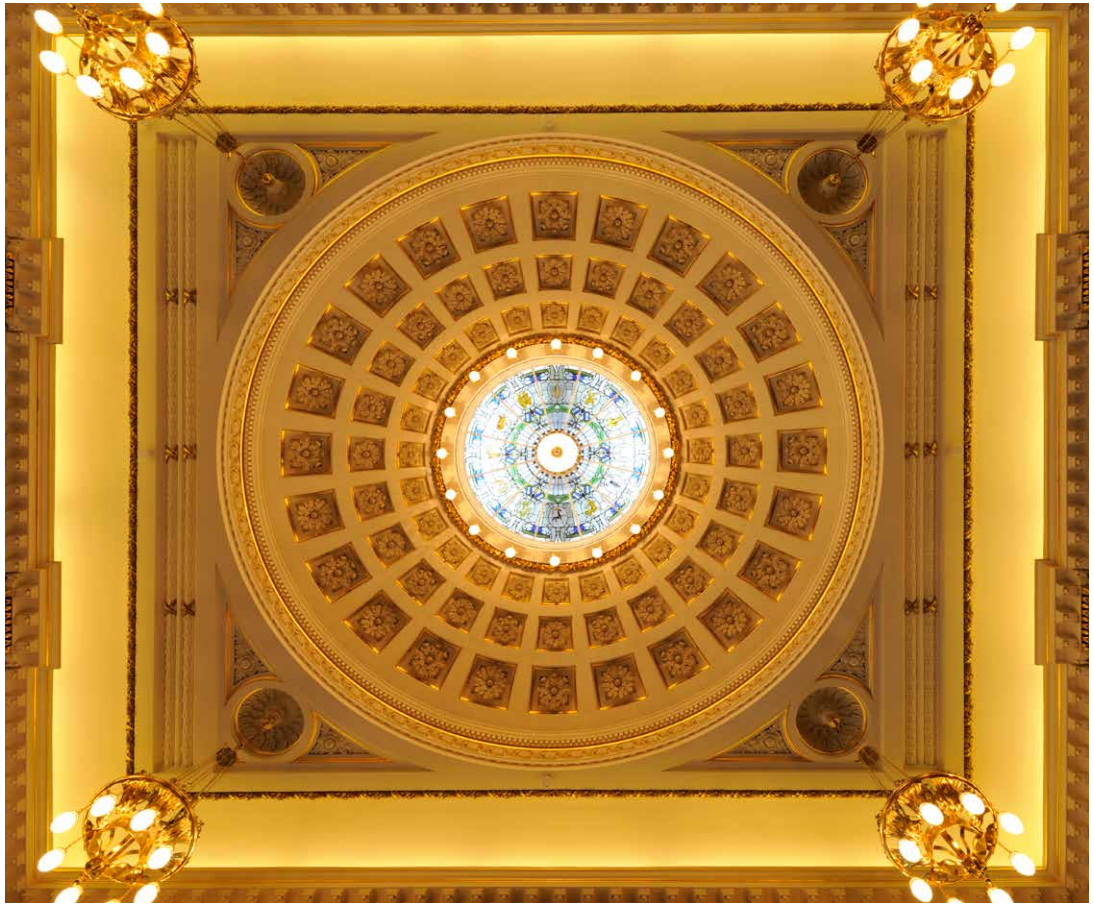
RBS St Andrew Square, Edinburgh, UK

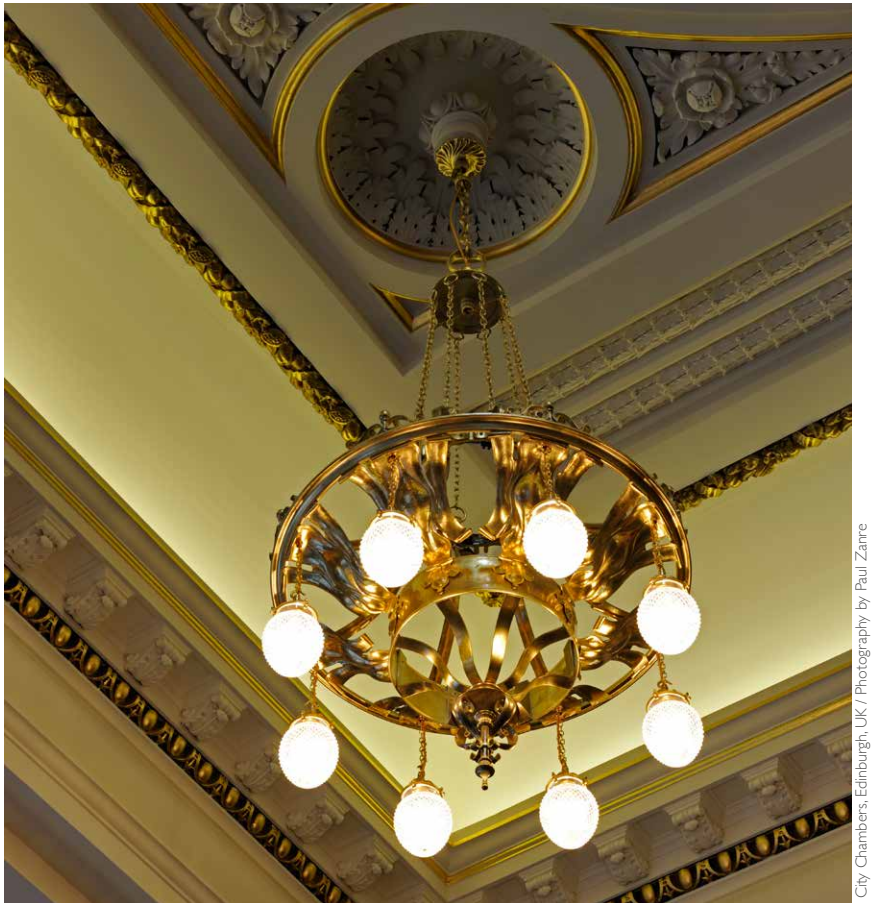
KSLD was invited to light the interior and exterior of the Royal Bank of Scotland St Andrew Square branch in Edinburgh, Scotland. The listed building offers a unique spatial experience with its high ceiling dome of deep blue and white stars. The challenge was to light the dome and its sculptural features surrounding it in a way that allowed it to glow while hiding the light fixtures themselves. The space also has consultant desks placed around the edge of the hall that required efficient task lighting in a form that blended together with the area. This was accomplished with custom lamps on both the centre table as well as the outlying consultant desks.

Project Images

Photography by Renzo Mazzolini

RBS St Andrew Square, Edinburgh, UK



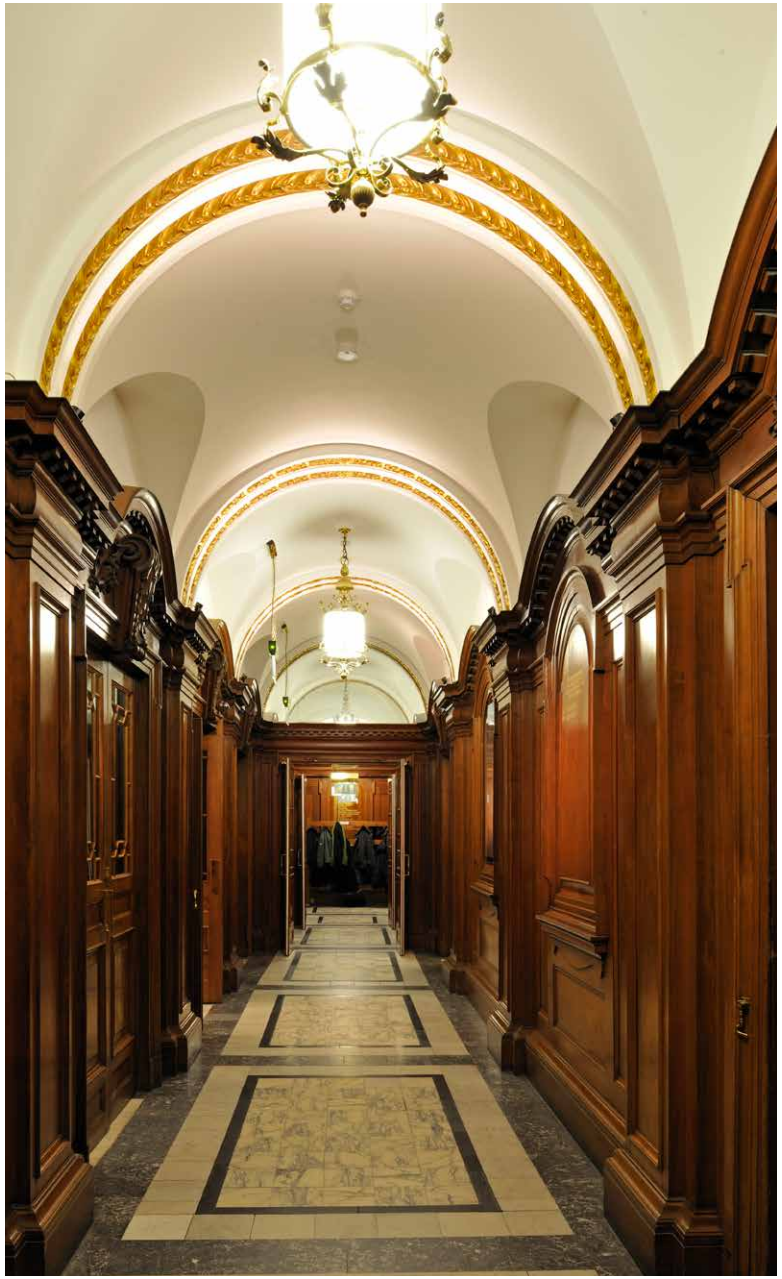


City Chambers, Edinburgh, UK / Photography by Paul Zanre

City Chambers, Edinburgh, UK

KSLD worked with Smith Scott Mullan Associates to refurbish the primary public areas of the City Chambers. In the main Council Chamber the aim was to restore the room to its original appearance (c. 1904) with the help of archive photographs and paint-scrape sampling. Lighting plays an important role throughout. Period brass chandeliers and matching wall lights are the main source of light in the Council Chamber. These fixtures are original, and have listed status as part of the interior fabric. Restoration of the fittings was undertaken by a specialist company and new hand-blown diamond cut acorn glass shades were made based on a surviving shade found in the building. The push for historical accuracy also influenced lamp selection: the decision was made to use energy saver halogen GLS replacement lamps in the restored fittings which offer improved life, warmth, good colour rendering and dimming. In addition, the point source of the filament adds sparkle and reveals the prismatic quality of the diamond cut glass. A lighting control system with preset scenes caters for a wide variety of uses, from naturally lit daytime meetings to formal dinners and weddings. Feature LED cove lighting to the dome and backlighting to the stained glass cupola are included within scenes for evening functions to accent the dramatic ceiling.

Project Images

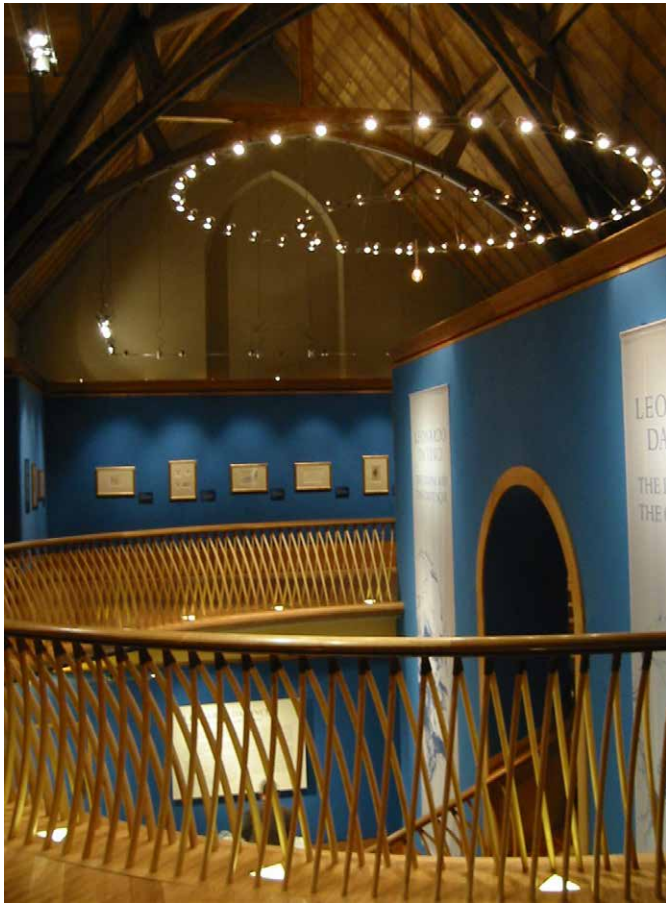


City Chambers, Edinburgh, UK / Photography by Paul Zanre

City Chambers, Edinburgh, UK

House for An Art Lover, Glasgow, UK

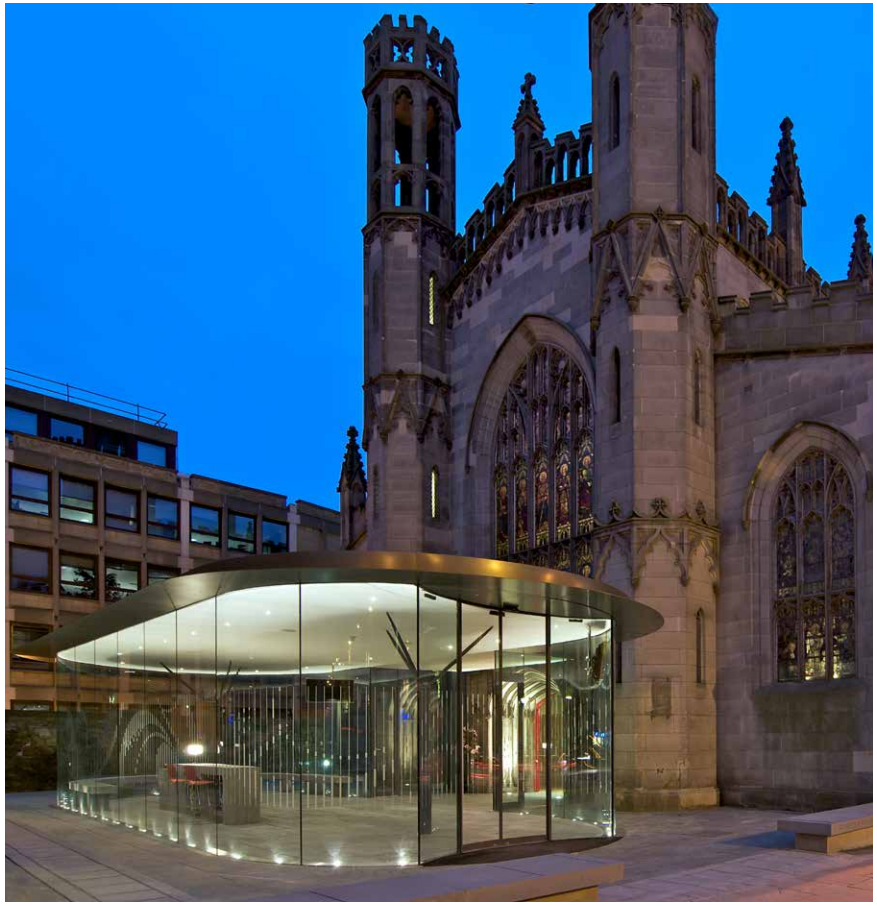
The House for an Art Lover is the realisation of Charles Rennie Mackintosh's competition entry drawings. Our task was to create the lighting indicated in the drawings and through rigorous research, provide appropriate lighting for the spaces where lighting had not been detailed. The research unearthed a lot of information on Mackintosh's approach to lighting design and the contemporary technologies of gas and early electric light. We worked closely with craft workers in metal and glass to produce the light fittings, encouraging them to use contemporary tools and techniques to ensure an authentic look and feel for the fittings. Where necessary, any modern lighting equipment such as emergency lighting was totally concealed. Overall, the project feels like a building of the early 20th century rather than the 1990s when it was constructed.

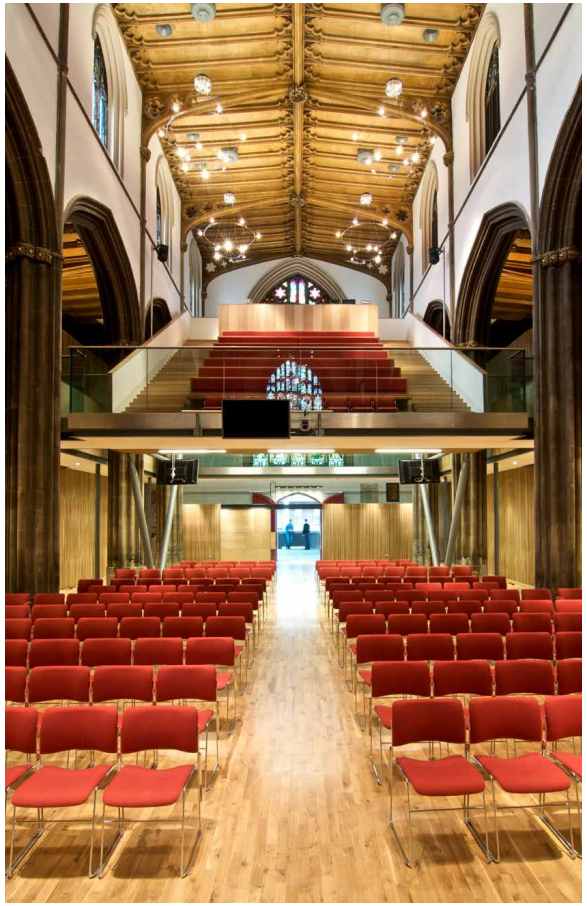


Photography by Katja Nurmen KSLD

The Queen's Gallery, Edinburgh, UK

The brief for this project was to provide state of the art gallery space for the exhibition of the Royal Collection, specifically graphic arts work at conservation light levels. The lighting needed to be flexible in order to accommodate other art mediums such as oil paintings and jewellery. KSLD worked with a specialist lighting manufacturer to develop the bespoke feature chandeliers. Lighting to the display walls is provided by a flexible system of low voltage spotlights on the twin rail system; each spotlight can carry several accessories allowing the beam to be modulated as required to suit aesthetic and conservation requirements. The gallery is housed in a former Victorian church and school building which now also accommodates the reception area, support facilities and a shop. Lighting is also provided for art integrated into the building fabric.

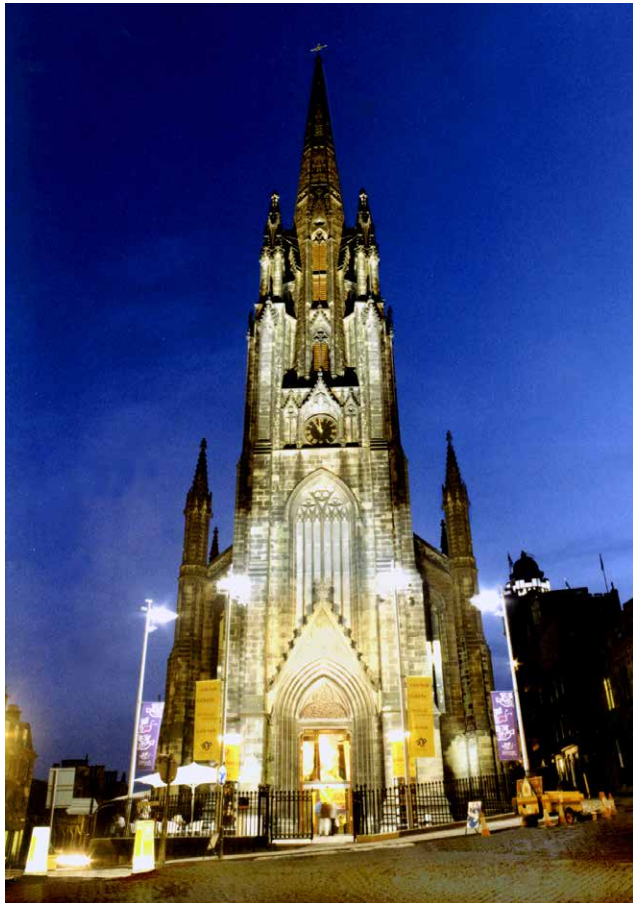


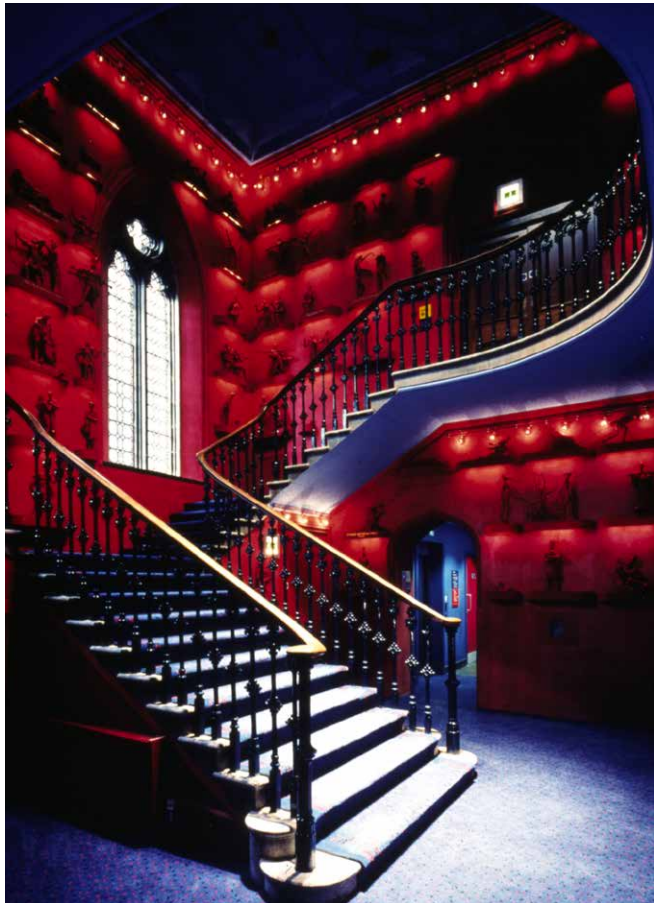


Photography by Malcolm Innes

St. Paul's & St. George's Church, Edinburgh, UK

This church has been completely refurbished by Lee Boyd Architects. This involved the renovation of the existing interior and exterior fabric, construction of a new steel-structure gallery level, office/community spaces and a new entrance pavilion. KSLD were involved from the early stages of the design process as it was desired that lighting be an integral and important aspect of the space. For the main interior space all lighting was detailed into the new structures, with the ambient lighting being provided by 13 custom designed chandeliers suspended from the timber ceiling with raise/lowering mechanisms. All lighting circuits are controlled by a dynamic lighting control system which allows the congregation to change the lighting levels to the interior spaces as required. The entrance pavilion lighting was completed with perimeter LED lighting recessed into the floor and ceiling to give form to the glass walls and highlight the ceiling.

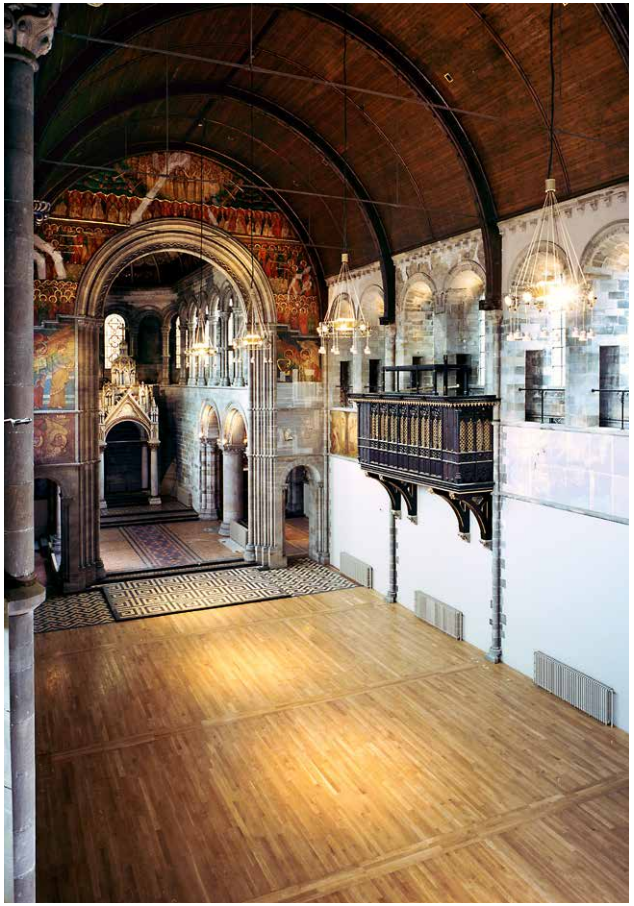




Photography by Antonia Reeve

The Hub, Edinburgh Festival Centre, UK

Strong colour and the integration of artworks were key influences for the lighting design of the Hub. The lighting scheme remained respectful of the historic building fabric assisting the architectural intentions by defining the border between contemporary and original elements. A substantial level of flexibility was incorporated into the design of the lighting scheme by KSLD through the choice of fittings and of a comprehensive lighting control system.



Photography by KSLD

Mansfield Traquair Centre, Edinburgh, UK

KSLD worked alongside Edinburgh-based Simpson & Brown Architects on the full restoration and adaptation of this A-listed church into a community exhibition space and offices. This involved creating a lighting scheme that fitted with the interior architecture, sympathetically lit the priceless murals by Phoebe Anna Traquair, and was flexible enough for any use of this multi-functional space. A combination of discreetly hidden spot fittings and four large custom chandeliers brings the interior to life without overpowering the original decoration.

Photography by Kevan Shaw, KSLD

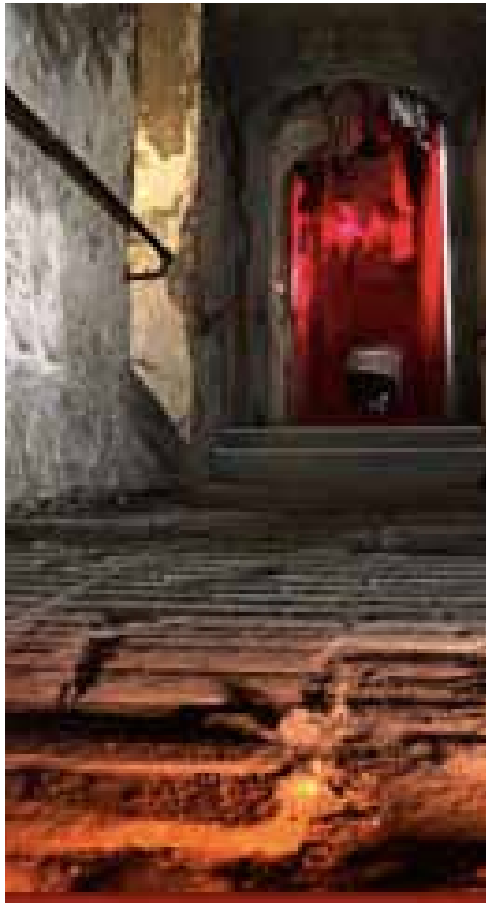
Central United Methodist Church, Stockton, California, USA

Built in 1963 by Anshen+Allen Architects the Church required extensive roof maintenance in 1988. KSLD became involved to relight the church as part of phased work to update the building for modern congregational requirements. In addition to lighting the main body of the Church from roof level locations, a simple colour change to the roof bents behind the organ screen reflect the liturgical seasons.

Photography by Kevan Shaw, KSLD

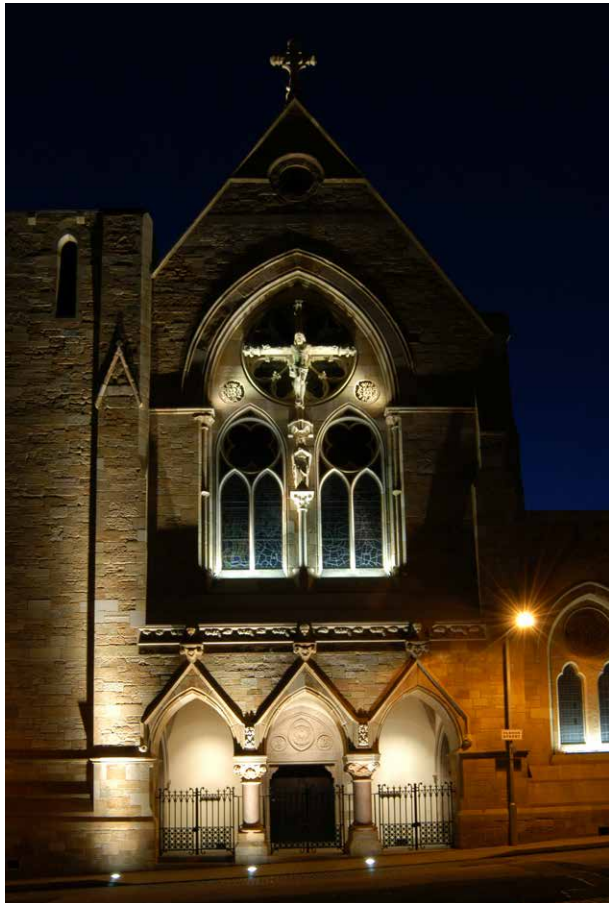
St. John's Episcopal Church, Edinburgh, UK

The refurbishment of the interior of the Church, alongside Benjamin Tindall Architects, called for a general improvement in the nave and chancel lighting without compromising the existing architecture. Custom chandeliers manufactured by Mike Stoane Lighting provide a lightweight decorative lighting platform that compliments the fine stonework columns and ceiling decoration. The overall effect is one of general lightness and delicate detailing.



Mary King's Close, Edinburgh, UK

This project is a historic site that has been built over in Edinburgh's Old Town. Currently it is used as a tourist attraction with walking tours interpreting the stories of the close inhabitants and the history of the Old Town. The challenge for this project was to retain the mystery of the spaces allowing the guide / storytellers to suggest things that excite the audience's imagination. We were also keen to minimise visible lighting equipment and respect the historic fabric of the buildings. Many lighting techniques were used to achieve the moods of the various spaces while ensuring a minimal safe level of light for people walking on the uneven surfaces. Since opening this has become a major attraction in Edinburgh.



Photography by Ron Scaglione

St Mungo's Church, Glasgow, UK

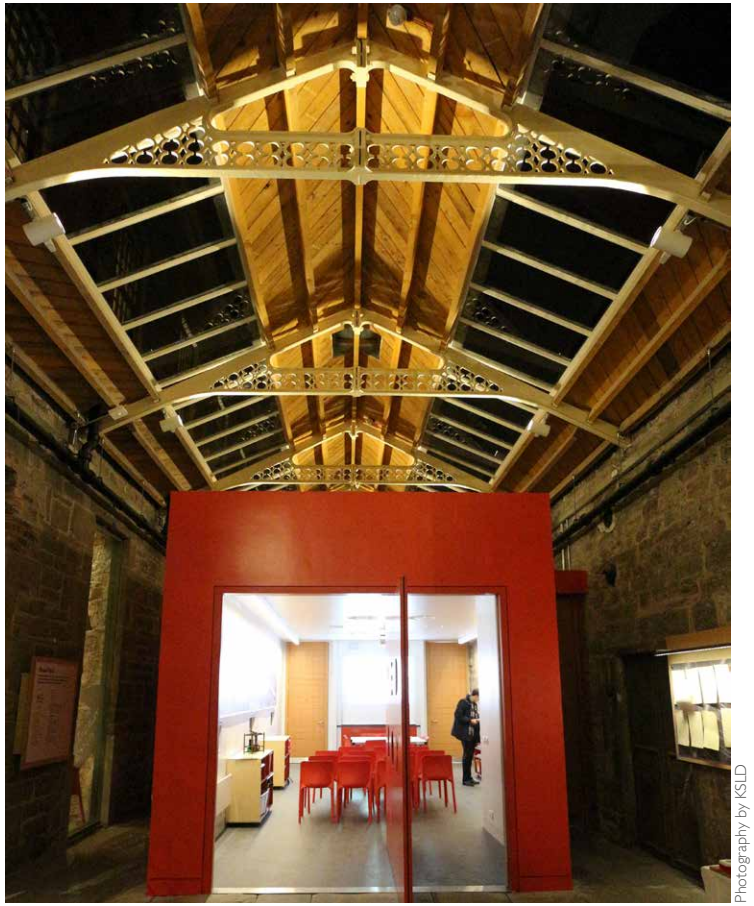
In 1999 KSLD completed an exterior lighting scheme for St Mungo's which was funded by the Church Floodlighting Trust. In 2002 when further grant money became available a comprehensive building programme was devised. KSLD's lighting design brief was to create a scheme that would provide not only general illumination but would also play a central role in the overall drama and religious experience of the Mass. There were also specific requirements such as the lighting of the Eucharist which is displayed on the altar during Lent.

Photography by Martin Granese, KSLD

Whitekirk Parish Church, Whitekirk, East Lothian, UK

The lighting concept for this restored 15th-century church was to create a hierarchy of lit elements. Discreet and sensitively mounted track fittings provide uplighting to the arched ceilings and general lighting to seating areas, as well as accenting to the Cross, Communion table, organ and font. Tungsten-halogen lamps create a warmly lit space, while an integrated dimmable control system allows the congregation to set the lighting to suit different functions.

Museum



Photography by KSLD

Verdant Works High Mill Museum, Dundee, UK

The design of the High Mill lighting emphasises the building's innate beauty and history to guests. Skylights over the cathedral-like architecture were originally the predominant light source during the day. Thus KSLD worked with the available light to accent the complex beams and rafters of the ceiling as well as provide appropriate lighting for the exhibits. Our design incorporates daylight sensors to control all architectural, exhibit and ambient lighting, varying in intensity with the time of day and available daylight. Supplementing the natural daylight is energy-efficient, and the high-colour rendering, warm white LEDs mimic the daylight and enhance the natural colours of the architecture and displays. The lighting control allows event scenes and flexibility for future activities.

This restoration project was shortlisted for the Royal Incorporation of Architects in Scotland's annual awards in 2016 and won the Historic Environment Scotland Award for Conservation and Climate Change 2016.

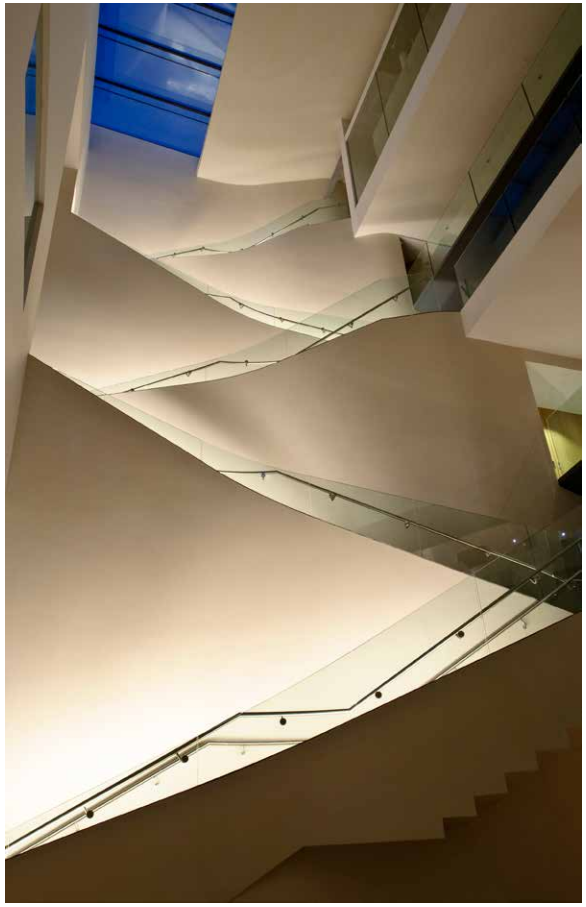
Photography by Michael Pollard

Photography by Michael Pollard

Manchester Art Gallery, Gallery of Craft and Design, UK

Our brief for the Manchester Art Gallery, Gallery of Craft and Design, was to provide a flexible exhibition space for temporary exhibitions. Our aim was to develop lighting that articulated the architectural space, as well as providing flexible exhibition lighting. The decision to retain some of the existing cases and plinths made good economic and environmental sense, while upgrading the lighting for these extended the life of the cases and reduced energy use in the gallery.

To enhance the sense of space and the exquisite plaster detailing we chose to avoid visible lighting equipment, by placing linear LED elements on the capitols of the plaster columns. We developed a track grid layout that enabled us to conceal fluorescent uplighting. This creates a fill light that appears to wash the entire ceiling. Unfortunately, we could not find a LED solution that provided the necessary soft-edged distribution. By considering loadings carefully we have minimised suspensions, we used the lightest possible cable, allowing the track to seamlessly float in the space.



1. by Andy Matthews, Rick Mather Architects, all other photography by KSLD.

Ashmolean Museum, Oxford, UK

Rick Mather Architects' extension replaces a Victorian building to the rear of the original Cockerell museum. The new six-storey extension houses 39 new galleries, offices, education rooms and a restaurant, providing the museum with double the original display space on the same site. Two full height atria allow daylight to penetrate deep into the building. KSLD were involved from an early stage allowing the lighting design to be integrated with the architecture. The gallery lighting is based on a flexible system of track and spotlights. Floating ceilings conceal an edge detail with inverted track, allowing the perimeter lighting to be as discrete as possible. The track layout in each gallery is tailored to the exhibition build layout. The architectural lighting for the atria and circulation routes uses cool-white lamps, contrasting with the warm-white gallery lighting. This provides variety, prevents visual fatigue, and aids circulation and way-finding. The cooler atrium lighting blends well with the daylight and helps provide a gradient of colour temperatures between spaces.

This project was shortlisted for the RIBA Stirling Prize 2010 and won the Best Public Building category at the Lighting Design Awards 2011.

Photography by Kevan Shaw, KSLD

Photography by Philp Vile

Media Space, Science Museum, London, UK

Media Space is an outstation for the National Media Museum in the Science Museum, London, consisting of Cafe and circulation area, three galleries and a workshop space. Working with Ben Kelly Design KSLD developed lighting as a design element differentiating Media Space from the rest of the Science Museum. The galleries have extremely flexible lighting options to accommodate temporary exhibitions that can contain anything from miniature daguerrotypes to gallery size artist installations. The workshop space provides for event and theatrical presentation with an extremely flexible infrastructure. All the lighting uses high efficiency light sources and the control system provides daylight harvesting in the cafe and control of blinds in the galleries to limit or exclude daylight as the exhibitions require.

Photography by Hannah Neufeld, KSLD

Shetland Museum & Archives, Lerwick, Shetland, UK

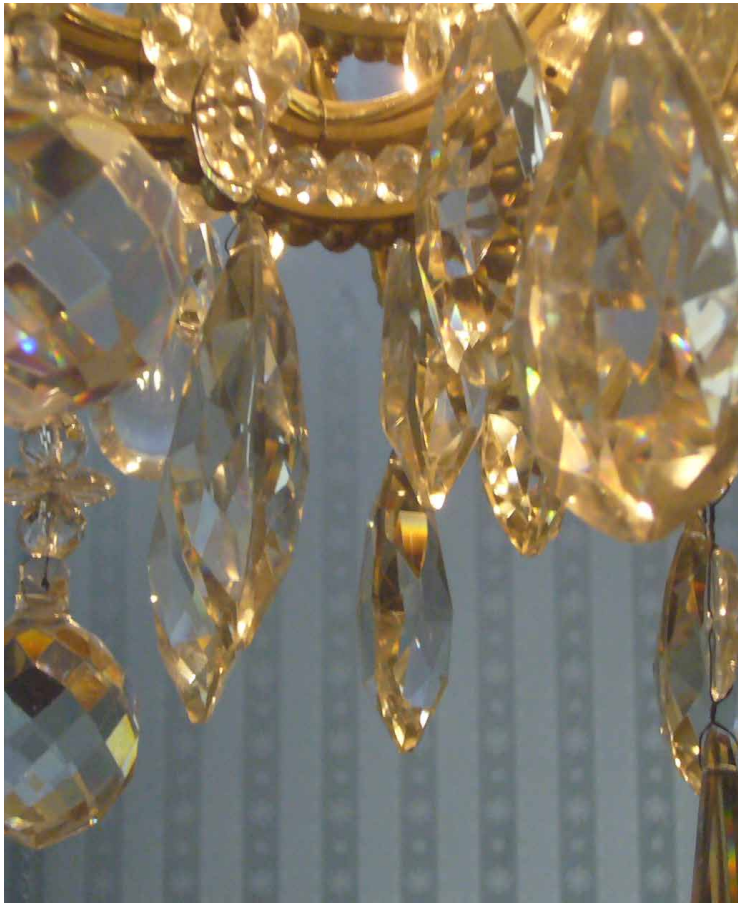
Shetland Museum sits at the edge of Hay's Dock, Lerwick. The development has regenerated a formerly run-down area of the waterfront and ensured the preservation of one of the last remaining areas of original dock in the harbour. While the Museum was officially opened in 2007, KSLD were involved from 2003, allowing the lighting scheme to be integrated fully within the overall architectural design. The lighting concentrates on highlighting the unusual displays and unique gallery layout, with an emphasis on the visual perspective of the viewer.

This project won the GIA Award 2007 and was shortlisted for the for most prestigious Arts Fund Prize (formerly the Gulbenkian Award) 2008.

The Manchester Museum, Manchester, UK

This project comprised a sympathetic extension to the existing historic museum. The lighting and architecture were designed to encourage a seamless integration of the old and new. In-case lighting and track mounted spotlights provided the adjustability needed for the exhibition and displays.

This project was awarded a RIBA Regional Award in 2003.



Photography by Hannah Neufeld, KSLD

Wallace Collection, London, UK

Originally a private collection, the artworks and furniture pieces are viewed within the context of a nineteenth century London townhouse and home. The brief required that the lighting be as inconspicuous as possible, to retain the unique and intimate visitor experience. The historic, Listed nature of the interior also had to be respected. These constraints led to the development of a lighting 'duct' mounted to the ceiling, with decorative plasterwork applied so as to appear to be an original element of the rooms. Apertures at the side faces of the duct house spotlights: these are mounted within removable plates. The whole system is modular and maximises flexibility by allowing spotlight plates and plain blank plates to be mounted where required and moved around to suit. 3-circuit track concealed inside the duct carries power to the spotlights.

Photography by Hannah Neufeld, KSLD

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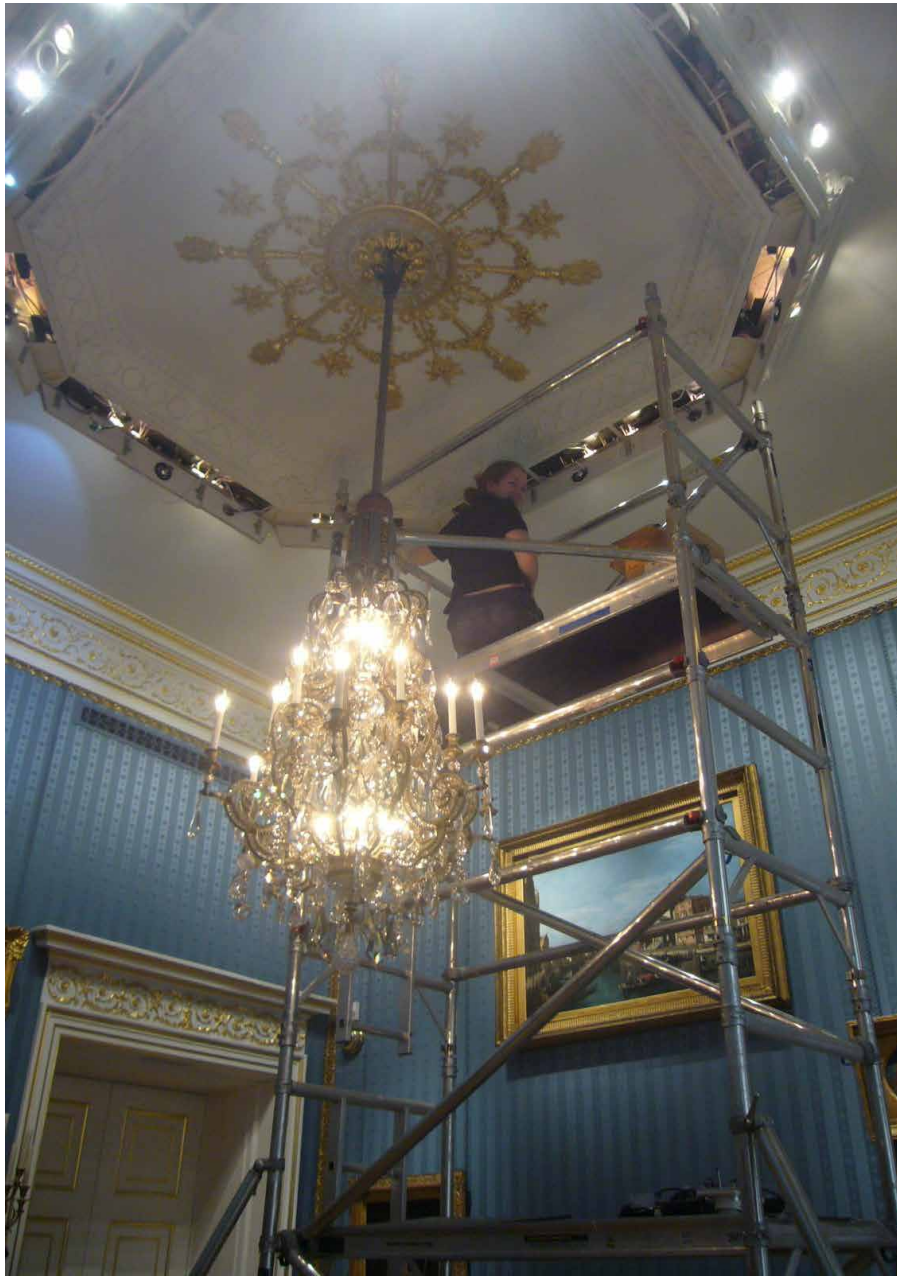


Wallace Collection, London, UK

Project Images

Holburne Museum, Bath, UK

KSLD designed the exhibition and public area lighting for the recently re-opened Holburne Museum of Art in Bath. Eric Parry Architects' new extension provides two galleries for the permanent display of the Museum's collections, plus a top-lit gallery for temporary exhibitions. The existing gallery areas in the original building have been restored, with all of the objects re-displayed in a new exhibition design by Metaphor. The original Picture Gallery and new temporary exhibition gallery are primarily naturally lit. The three large cupolas in the Picture Gallery have been renovated, with new diffusion and black-out blinds introduced to allow the ingress of natural light to be controlled. The blinds and the system of track and spotlights within the gallery are linked to a daylight sensor; this maximises the use of natural light within the space, bringing on the artificial lighting only when required. The new temporary exhibition gallery is top-lit, with skylights running in a band around the perimeter, and a large central rooflight. Daylight control is provided by an external mechanical louvre system, which responds to daylight levels measured within the space.

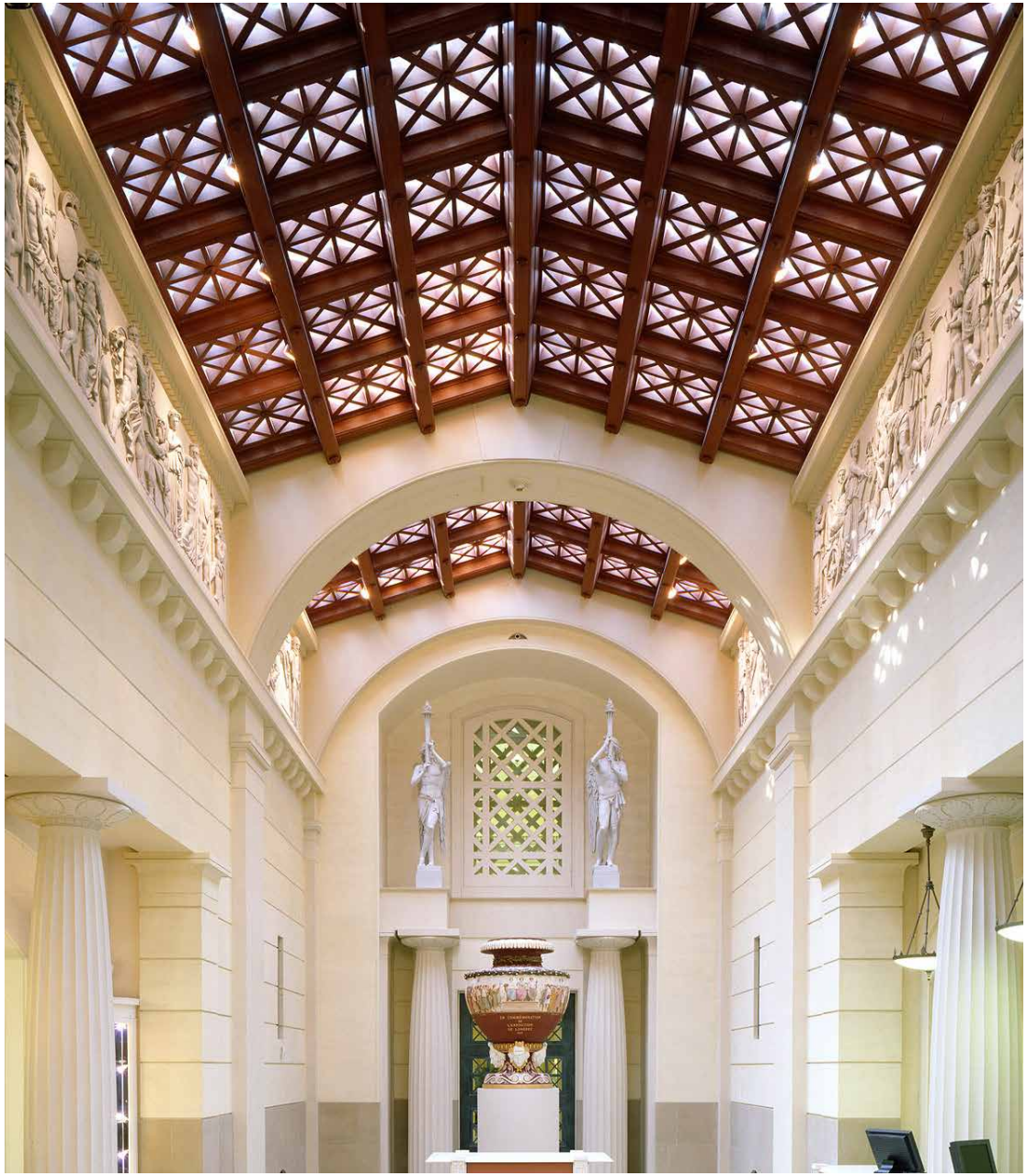
Holburne Museum was the joint winner of the Museum and Heritage Awards for Excellence in 2012 and won a Civic Trust Award in 2012.

Photography by KSLD

Queen's Gallery, Buckingham Palace, London, UK

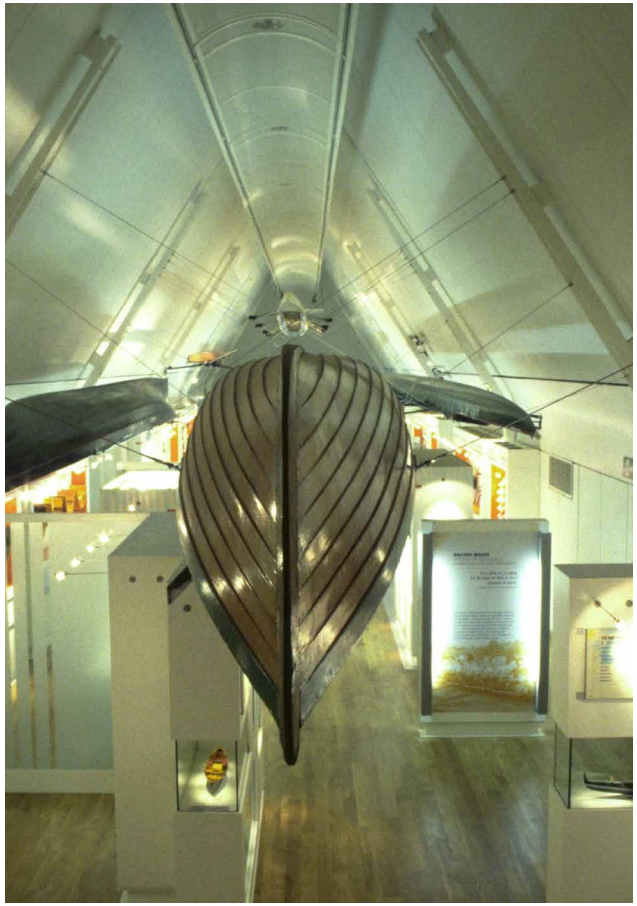
The brief demanded the creation of state of the art gallery spaces for the exhibition of the Royal Collection, at conservation light levels. Three main galleries provide for a standing collection, temporary exhibitions and graphic arts. Subsidiary spaces contain cased display areas for plate, ceramics and jewelry. The majority of the project is new build within the bounds of the palace and adjacent buildings. The architectural brief required that the galleries should become part of the existing palace. The entrance hall forms part of a sequence of gradually controlled day lit spaces to allow the visitors to adapt to controlled exhibition lighting levels. Lighting for the sculpture friezes is concealed in the roof structure. Typically all technical lighting is concealed in the project.

Project Images



Queen's Gallery, Buckingham Palace, London, UK

Photography by KSLD

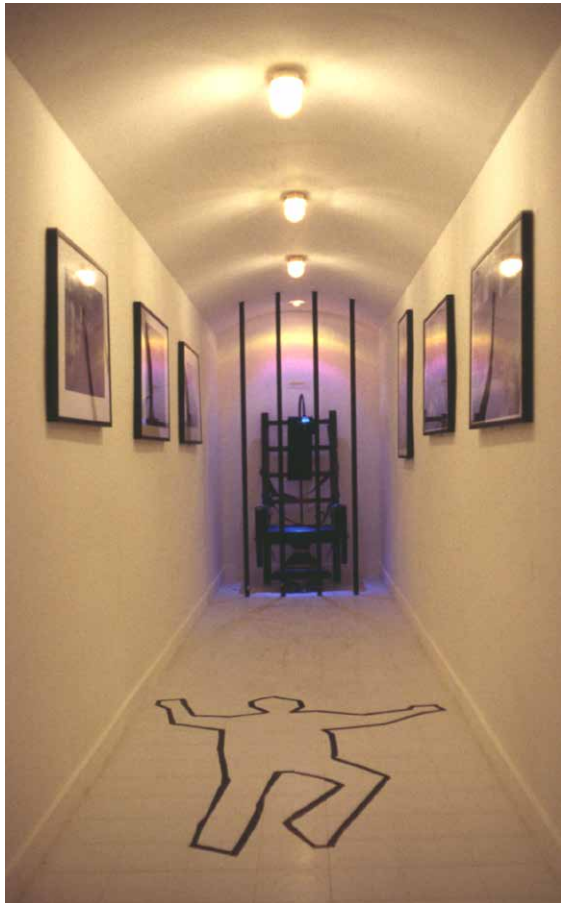


Photography by Tapio Rosenius, KSLD

River & Rowing Museum, Henley-On-Thames, UK

The lighting for Henley River & Rowing Museum is focused on the exhibition and viewer's experience. We have created a distinct lighting concept which relates specifically to the gallery's theme and layout. Feature lighting includes dynamic light symbolising the calming ripple movements of water. Each gallery responds to and celebrates the unique award winning architectural form of the building.

This project received a Commendation at the National Lighting Design Awards 2000.



Photography by Keven Shaw, KSLD

Viagem Au Seculo XX Exhibition, Lisbon

Viagem Au Seculo XX was designed by Neal Potter. The exhibition brought together many key objects and moments of the 20th century. Lighting played an important role in the interpretation of the exhibition and orientation. This was accomplished by applying simple techniques within the existing lighting of the exhibition hall using gobo projection, colour and the strong development of moving shadows.

Photography by KSLD

National Museum of Scotland, Edinburgh, UK

The Museum of Scotland presented a significant lighting design challenge of balancing conservation and display lighting for permanent exhibits with the articulation of complex architectural gallery spaces with many of the lighting locations pre-defined by the architecture. The design solution provided by KSLD delivered balance between considered conservation and celebratory architectural lighting. Fitting selection addressed issues relating to the preservation of final lighting focus during any subsequent maintenance e.g. lamp replacement. The project had understandable public interest with an absolute programme deadline of St. Andrew's Day 1998.

This project won the RIBA Regional Award 1999, was Shortlisted for the RIBA Stirling Prize 1999 and Commended at the Civic Trust Awards 2000.

Discovery Centre, Newcastle, UK

Working with exhibition designers Redman Design, KSLD undertook the lighting design of four diverse galleries in the former Newcastle Museum. The Water Gallery is principally a hands-on children's gallery with interactive teaching elements. The lighting here has a coordinated sequence with a sound store that plays sound effects relating to different weather conditions. The Working Lives Gallery explores social history of the region and features a large glass colour-changing wall. The lighting is synchronized with video projections to identify and explain the use of many larger objects and costumes. This display carefully considered the balance of lighting to maintain conservation standards of exposure with appropriate display lighting techniques. The final gallery deals with objects made in Newcastle. Many of these artifacts were housed in their original glass cases. This required the development of a custom solution to light the case from the exterior with special glare control so as not to distract from appreciating the subjects.

Thinktank, Birmingham, UK

ThinkTank science museum is the first Museum of the 21st Century opened on September 29, 2001 and occupies 12,475 m^2 of Nicholas Grimshaw's Millennium Point building in Digbeth, Birmingham. Extending over four floors the exhibition subject matter covers industrial archeology and social history of Birmingham, medicine, natural history and the future. KSLD joined the design team in January 2000 to provide Lighting Master Planning to ensure the quality, maintainability and consistency of lighting between the different exhibitions and non-exhibition areas. As a result, maintenance has been rationalised and there is a greater degree of consistency with the visual appearance of fittings while still allowing an individual approach to each task. KSLD also designed the exhibition lighting for the 'Find the Future' and 'Discover the Past' galleries.

Photography by KSLD

Honours of Scotland, Edinburgh Castle, UK

KSLD originally designed the lighting for this exhibition in 1992. After 23 years the existing lighting and control system were beyond economical repair and a completely new system was required. KSLD undertook a technology review to source the most suitable and energy efficient and appropriate lighting products for the exhibition. The exhibition required a family of LED spot luminaires with choice of beam angles, lumen outputs, colour temperature, directional adjustability and accessories. These elements are all necessary for good quality museum or exhibition lighting schemes. Unable to source a single product offering this range of flexibility on the market, KSLD worked with Mike Stoane Lighting to develop a custom solution.

The new lighting scheme was installed quickly and efficiently over a 6 week program, with the electrical works being carried out by BlackLight and repairs to the original murals and dioramas by Tim Chalk and his team of Scenic Artists.

Photography by Martin Granese, KSLD

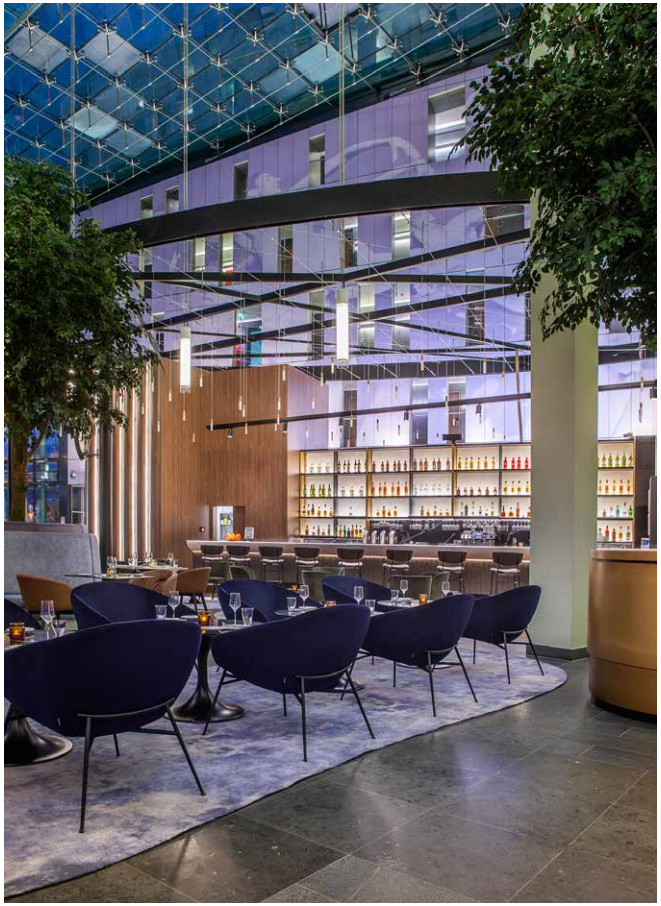
Iona Abbey Infirmary Museum, Iona, UK

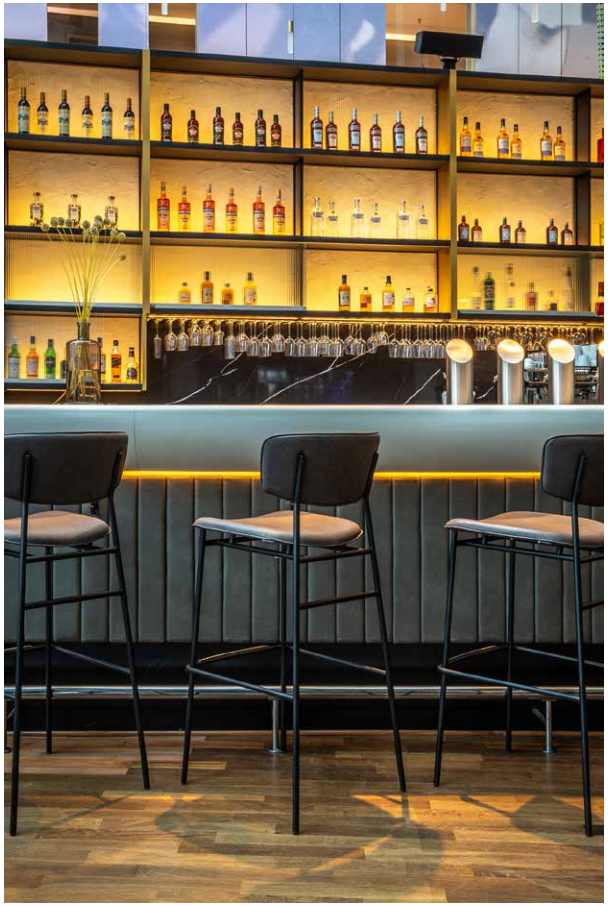
The visitor's exhibition at Iona Abbey, which is owned and operated by Historic Scotland, houses a unique collection of dark age and medieval high crosses, grave slabs and grave markers relating to the island and its influence on the west coast of Scotland during the early centuries of medieval Christianity. KSLD were brought onto the project at its conception with a very clear brief to ensure that the lighting brings out the texture and carving work of the stones, many of which had been badly eroded after centuries of exposure. By working closely with the HS interpretation unit and exhibition designers, KSLD were able to ensure that the display of individual stones and location of lighting equipment were best placed to deliver the exhibition lighting qualities required. For the first time in an exhibition project, KSLD used LED light sources throughout due to the remote location of the abbey, and in order to reduce energy consumption and maintenance costs.

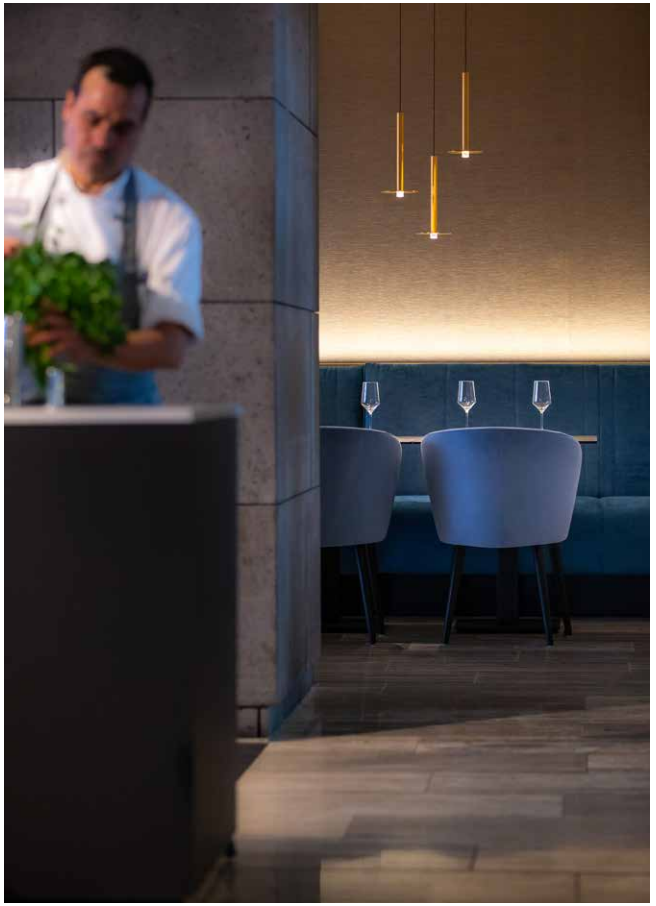
The focal point of the exhibition is a trio of reassembled upright high crosses. Dynamic lighting, coordinated with a change in the AV sound track, plot a notional sunpath around the crosses simulating the significance of their original standing locations and orientation in the landscape.

This project was Highly Commended at the Lighting Design Awards 2014 and the LUX Awards 2013.

Hospitality







Photography Radisson Hotel Group

Radisson Blu Hotel, Cologne, Germany

This project consists of a redesign and lighting technology upgrade to the Radisson Blu Hotel reception and event space restaurant in Cologne.

Working closely with Iliard interior design and Chandler KBS project management, we developed a fully LED lighting scheme, replacing existing lighting and introducing new integrated lighting details. These include LED linear solutions integrated into new timber work around each end of the bar and behind reception desks. We developed a catenary mesh fixed to the existing bar structure for a field of small LED pendants to hang over the bar, improving the intimacy of the space. We also created new crisp custom pendants needing to incorporate emergency lighting, covering the majority of the atrium floor. In the restaurant, existing downlights were updated with LED technology, and pendants introduced over tables. New LED linear lighting was introduced to banquet seating, providing wall washing to express room boundaries.

The new lighting was integrated as far as possible with the existing dated lighting control system, while the new bar elements were set on a stand-alone DALI system. Overall, the design has created a distinct modernisation of the property, which has been well received by hotel staff and Radisson brand management.

Project Images

Photography Radisson Hotel Group

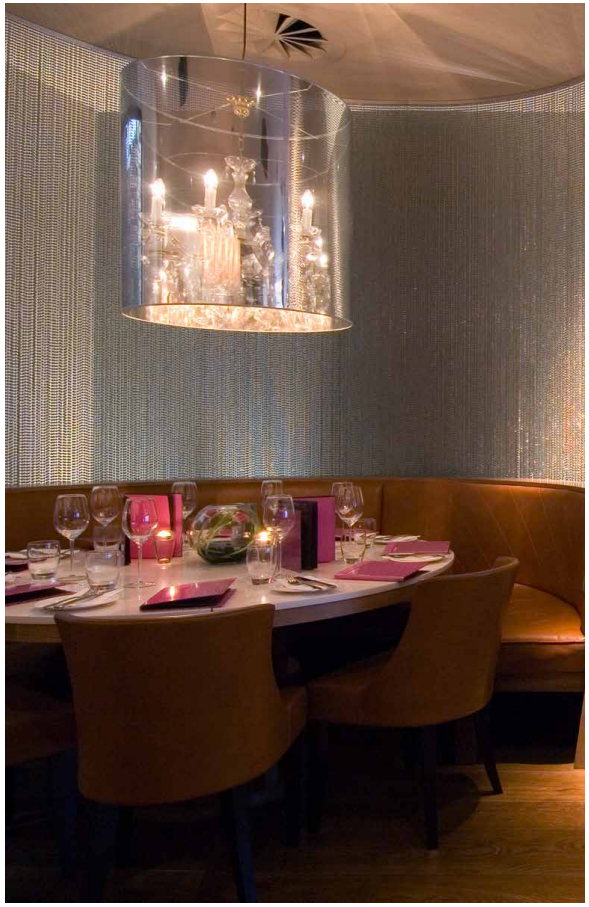
Radisson Blu Hotel, Cologne, Germany

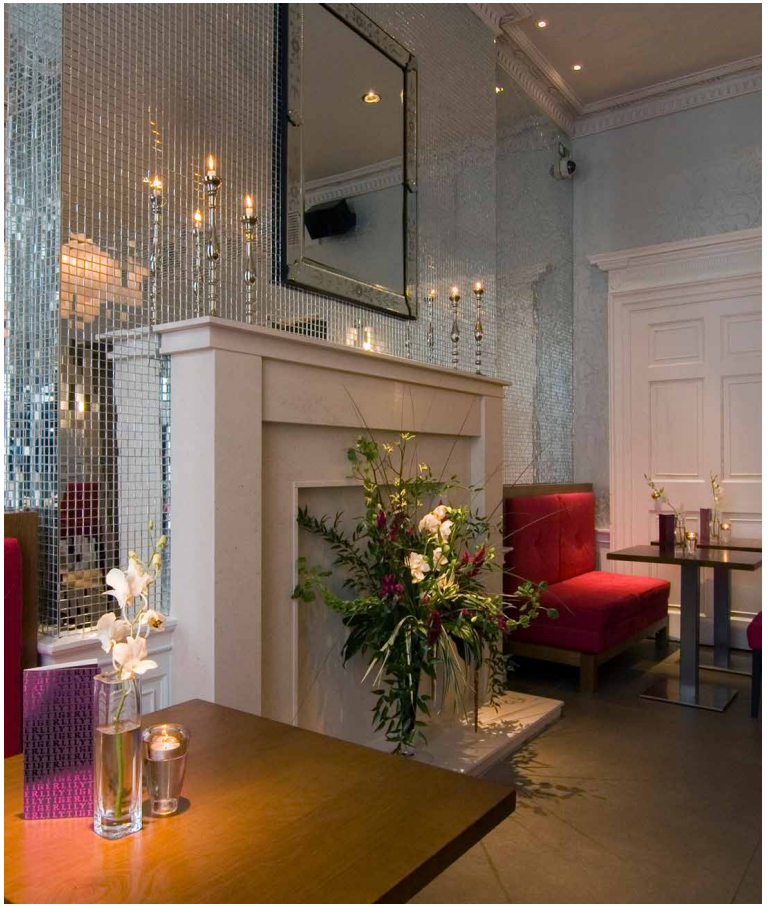
Photography by KSLD

The Radisson SAS Hotel, Glasgow, UK

This substantial newbuild four star hotel in the city centre was created by Murray Dunlop Architects. It is an iconic building with a five storey copper-clad facade. The reception, bar and lobby are within a full height atrium, punctured by a slate cube of rooms thrusting out from the main building. Lighting features include a colour change on the roof beams of the lobby and a field of blue in the courtyard surrounded by glowing trees. In general, the lighting follows the architecture, with families of linear fittings flowing along the axis of the spaces.

This project won Best Commercial Project at the Scottish Design Awards, and received a Grand Prix Award for Architecture in 2003.



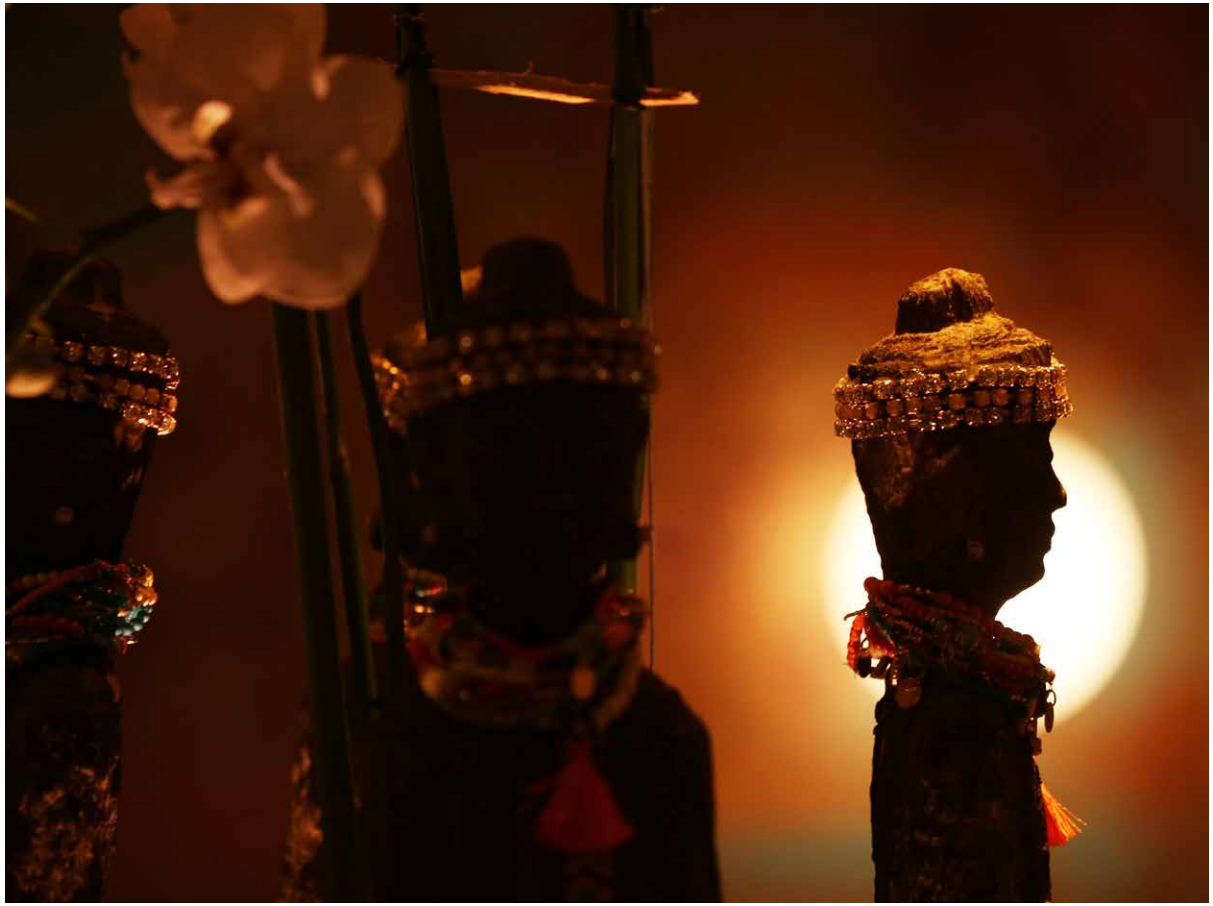


Photography by Malcolm Innes

Tigerlily, 125 George Street, Edinburgh, UK

Tigerlily is a boutique hotel with restaurants, bars and a nightclub, within a converted town house in the centre of Edinburgh's Georgian New Town. Graven Images created a stylish and unique interior within the historic Listed building. The reception, bars and restaurants follow an open plan format on the ground floor. The front bar has a large glass feature 'cloud' chandelier of blown glass. Lighting is used to define different areas and circulation zones on the ground floor, and create a variety of looks and atmospheres. The main stairwell up to the guestroom floors is an important feature within the hotel. Giant mirror balls lit with theatre style luminaires create the 'wow factor' desired by the client.

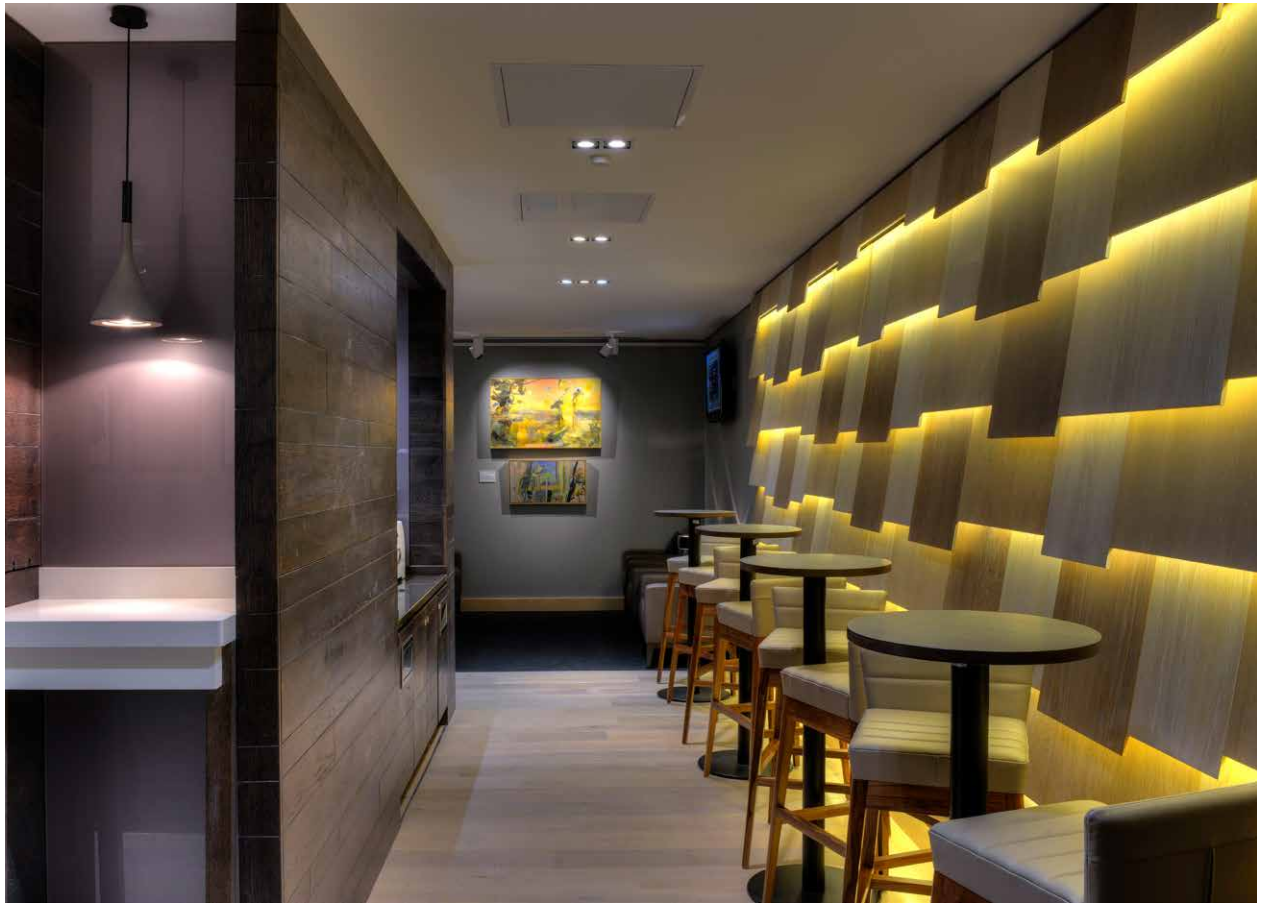
Tigerlily was voted 'one of the coolest 65 hotels in the world' by Conde Nast Traveller, and listed one of Times Travellers Magazine's World's Top 100 Hotels. It received Best Interior Design at the Scottish Architecture and Design Awards 2007, was Highly Commended at the Scottish Boutique Hotel of the Year Awards 2007 and won the Sexiest Hotel award at the Scottish Hotel Awards 2009.



Photography by Stobo Castle

Stobo Castle Relaxation Room, Stobo, UK

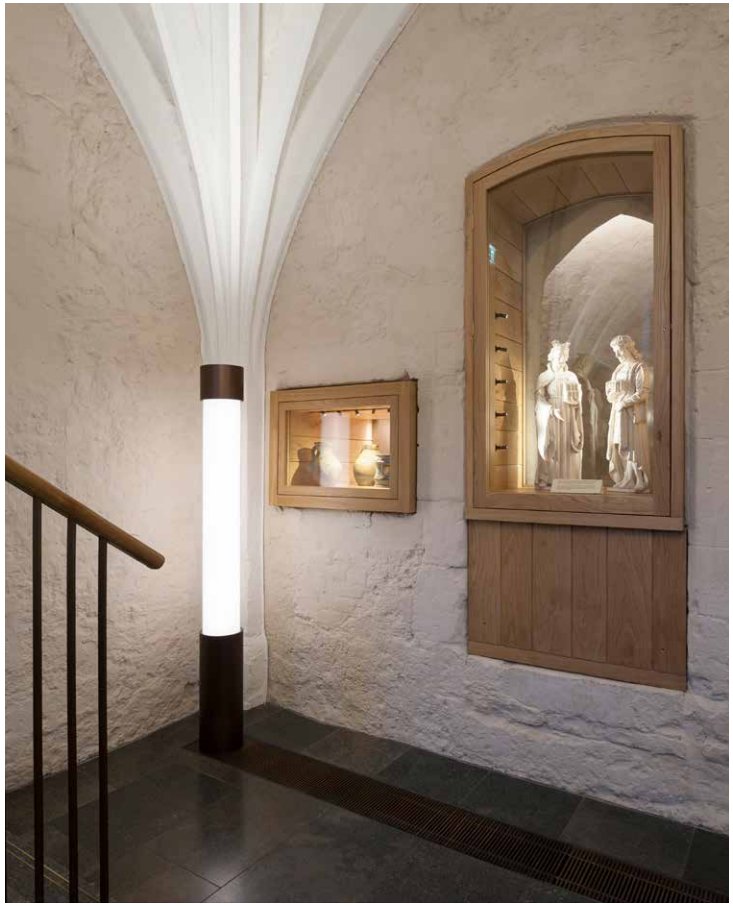
Working to an extremely tight deadline, KSLD collaborated with Stobo Castle's interior designer to create an amber bathed, Moroccan style relaxation room. Subtle linear skirting and pelmet details wash soft indirect light onto the lavish wall finishes. Such features are complimented by extremely warm/soft amber wall luminaires and downlighting. The integrated control system allows for atmospheric light levels, encouraging peace and renewal.



Photography by Renzo Mazzolini

British Airways Business Lounge, Glasgow, UK

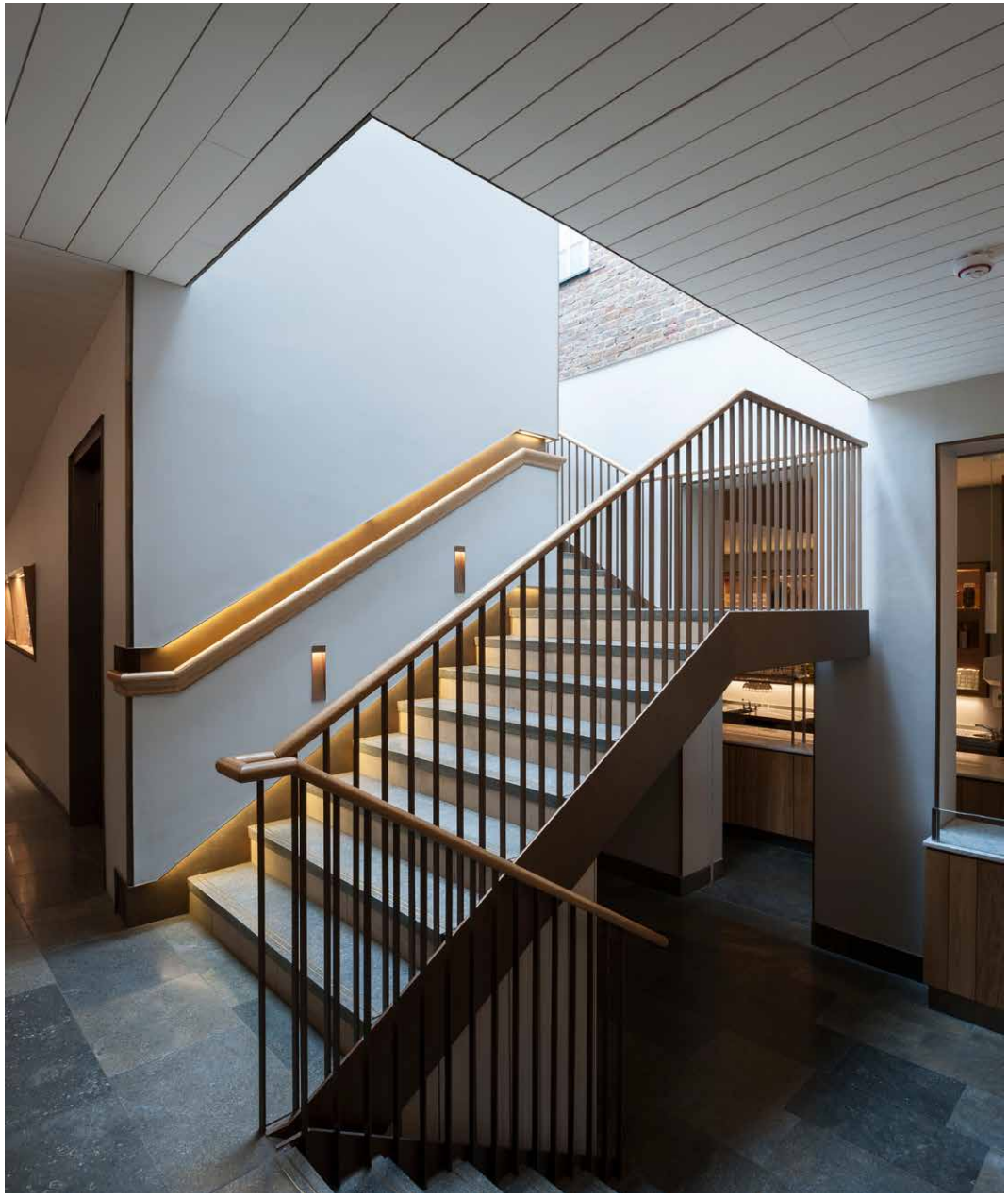
Working with interior designers, Graven Images, KSLD designed the lighting for the BA Business Lounge in Glasgow Airport to provide a comfortable and dynamic space that could respond to different day- and night-time conditions, acknowledging the 24/7 nature of modern personal and business travel. The entire scheme is colour-tuneable between cool- and warm-white lighting that responds to the daylight characteristics throughout the day and allows the artificial lighting to change to suit as required by the lounge operators. Dimmable LED light sources where used through-out except for some of the more decorative pendant and table lamp items in the space.

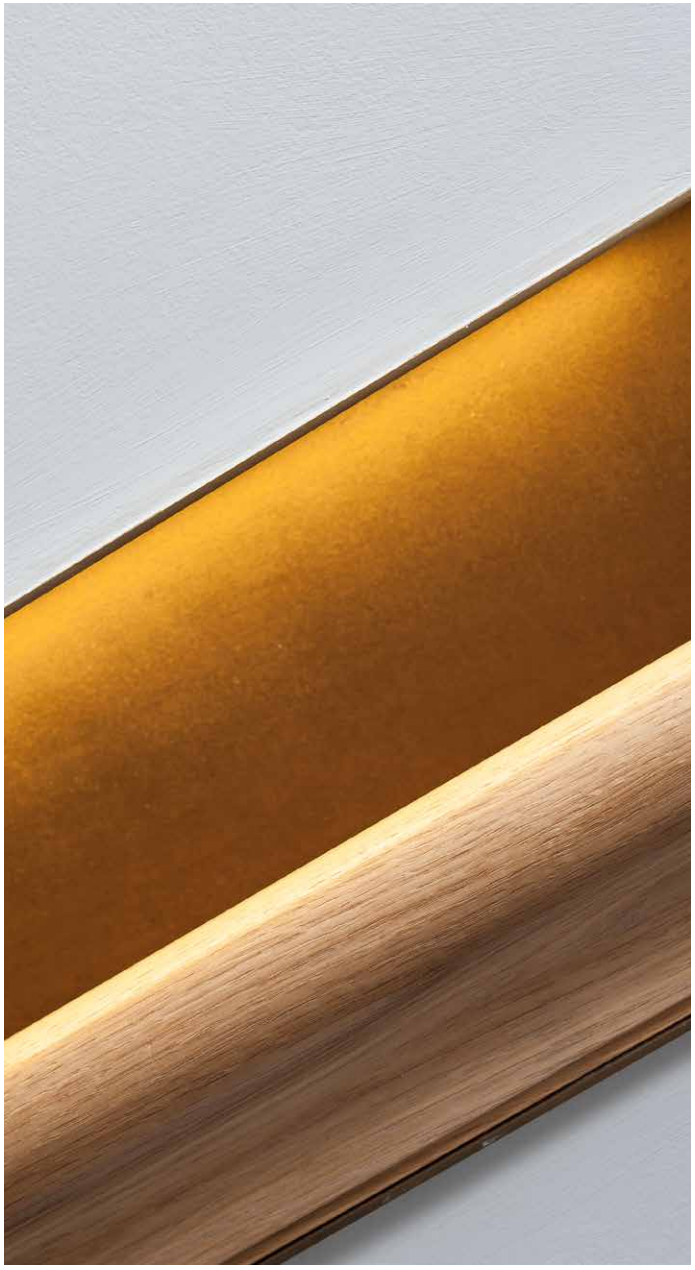


Westminster Abbey Cellarium Cafe, London, UK

The Cellarium Café (catering facilities, toilets and a shop) were developed for Westminster Abbey in the old domestic quarters of the Benedictine monks by Panter Hudspith Architects. The lighting scheme utilises LEDs and high efficiency fluorescent lamps. Design challenges included a custom LED chandelier and column light which produces both ambient light and directable uplighting to the rib vaulted ceiling in the Cellarium. The chandelier design is simple in form and reminiscent of period lighting without attempting to replicate. Throughout the rest of the café, lighting is kept discreetly integrated and used to gently wash architectural features such as the exposed stone walls of the interior circulation routes or the timber ceilings upstairs in the Miserichorde.

This project was shortlisted in the Lighting Design Awards 2014.





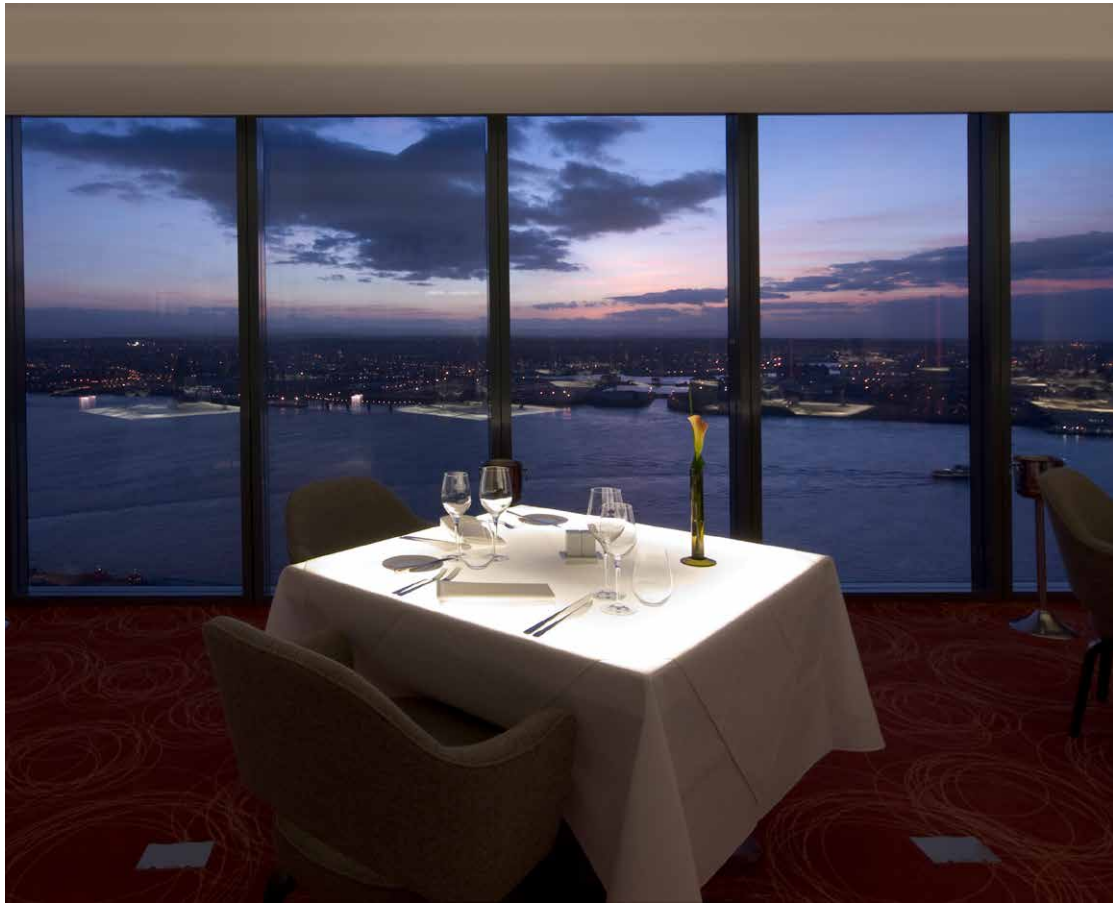
Westminster Abbey Cellarium Cafe, London, UK

Project Images

Photography by Hotel Missoni, Kuwait

Hotel Missoni, Kuwait City, Kuwait

The Hotel Missoni Kuwait is a uniquely luxurious venue which was brought to life by leading textile and fashion house, Missoni. Rosita Missoni worked closely with the interior design team to create a bold and deeply textured hotel interior. Missoni textiles are renowned for their vibrant patterns and passionate use of colour. Our role in this project was to create an interior lighting scheme which would enhance the beautiful finishes of the upholstery, fittings and furnishings, whilst creating an atmosphere of relaxed luxury. Where possible lighting is discreetly integrated into the furniture to reduce visual clutter. Accent lighting is used to enhance feature walls and curtains, and showcases key components of the interior concept. Low level lighting, careful use of feature pendants and floor lamps, create niches within the hotel. The hotel is modern and magical, whilst creating a feeling of having been welcomed into what could be the famous Missoni family home.

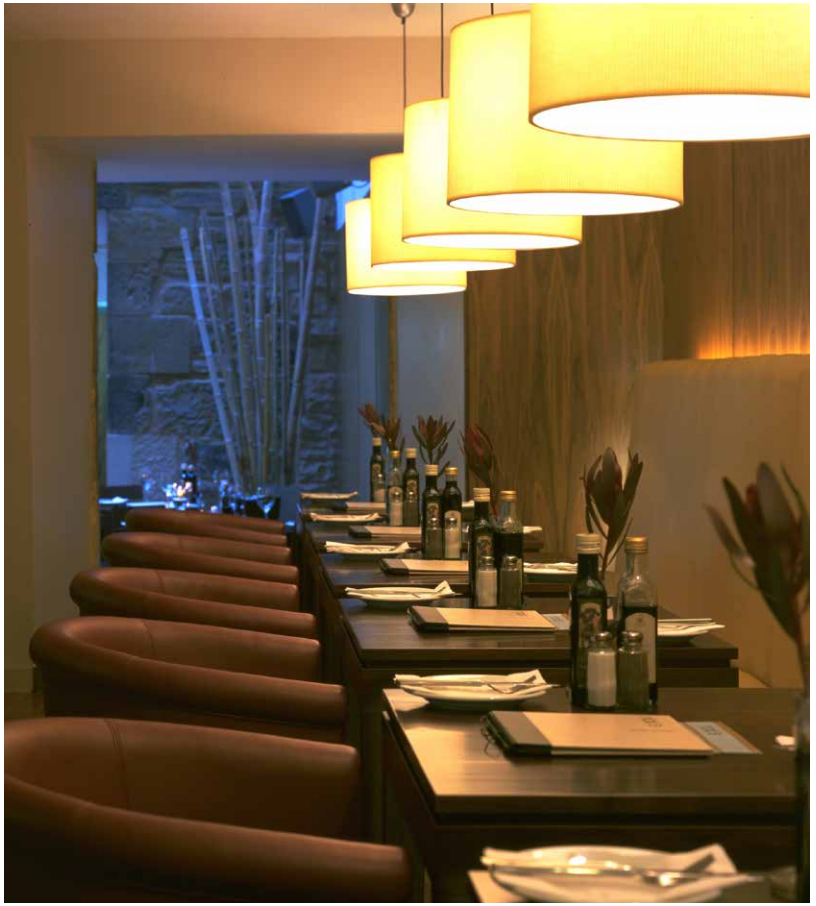


Photography by Nick Bentley

Panoramic, Beetham West Tower, Liverpool, UK

Panoramic is a prestigious bar and restaurant that boasts 360 degree views of Liverpool. Located on the 34th floor of the Beetham Organisation HQ, West Tower, R2 Architecture created a lush, modern interior environment to frame the spectacular views.

Low level lighting was key to preserve the evening view. The restaurant tables were designed with integrated lighting, providing an intimate and flattering soft glow. Red-coloured, double-density, high-output LED channels are located adjacent to the glazing mullions. This provides the nighttime identity lighting of the tower. The red reflections can be seen throughout the bar and restaurant. This lighting element provides status and recognition to the Beetham Organisation HQ, West Tower.



Rick's Hotel & Restaurant, Edinburgh, UK

Rick's Hotel and Restaurant is a small boutique hotel situated in Edinburgh's New Town. Located at basement level, KSLD added visual height to the low ceilings in the bar and restaurant with concealed ceiling cove lighting and integrated uplight details at the banquette seating. Owned by the Montpeliers group, Rick's is the older sister to Tigerlily, also lit by the KSLD team.

Photography by Kevan Shaw, KSLD

Braehead Shopping Centre, Glasgow

Working with Chapman Taylor Architects, KSLD provided lighting design to the new signage wall running above the shop fronts, as well as RGB LED colour changing elements to the central atrium, which was part of enhancement works undertaken by the centre to extend visible signage for retailers, as well as provide advertising and event opportunities. In addition, a new LED downlight scheme was introduced to the underside of the signage wall detail to provide general lighting to the shopping concourse which improved lighting levels over the existing scheme while achieving a 40% reduction in energy use.

As one of KSLD's first all-LED projects, care was taken to ensure that the LED product specified and installed would meet our lighting design requirements, as well as provide a long-lasting, flexible, low energy and low maintenance scheme for the Client.

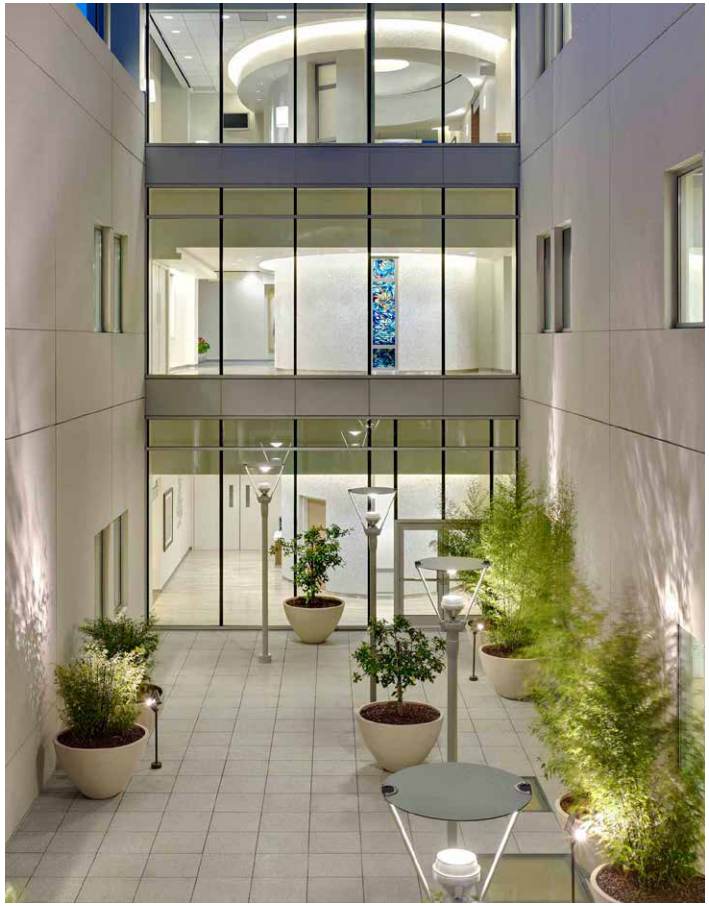
Memphis Restaurants, Tampere and Helsinki

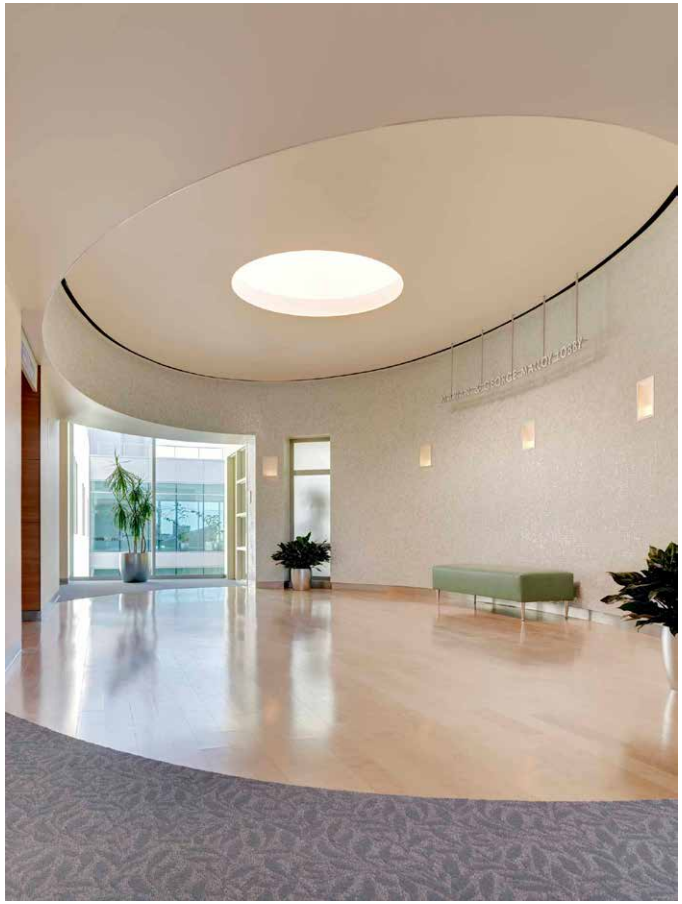
The Memphis Restaurants in Tampere and Helsinki were designed by the young Finnish design group m4 1 h2 and who have achieved international recognition through these two projects. Light is used as a key design feature, both colour and pattern are used to enliven furnishings and finishes enhancing the minimal interior design. As day turns to night, low level lighting, careful use of coloured light and simple pendants help to create intimate niches for a private atmosphere within the open plan design of the restaurants.

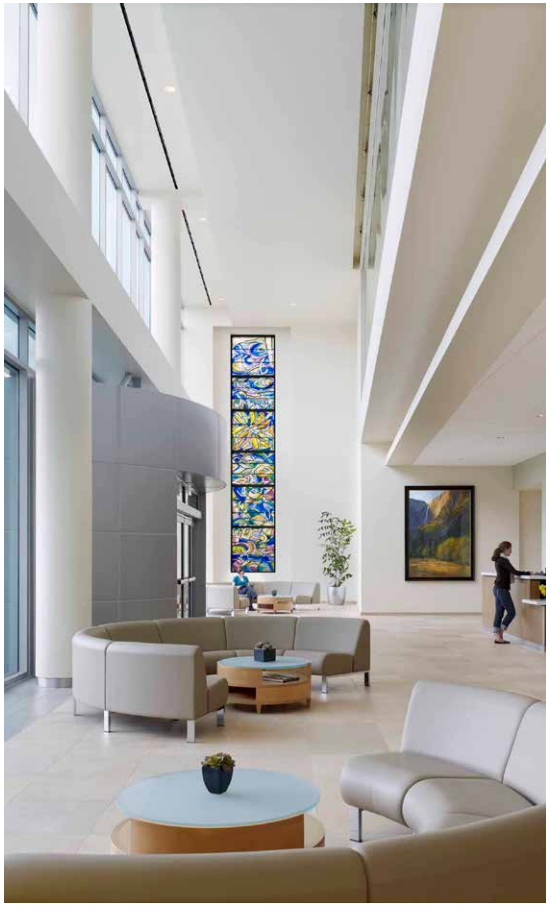
Healthcare

Centre for Heath Sciences, Inverness, UK

This is a new building on the Raigmore Hospital campus specifically developed for the training functions of the hospital. The concept design is by Bennets Architects and has been detailed by Keppie Architecture. The building has clear modern lines and the lighting design is carefully integrated to reinforce the principal design elements while allowing for future changes of use for each floor separately.







Renders by Anshen and Allen Architects.

Women and Children's Pavilion, St. Joseph's Medical Centre, California

This is a new building to provide specific pre and postnatal care within the large St Joseph's Hospital campus. The design of the building by Anshen + Allen is clearly modern but is carefully softened through selection of materials and detail treatment to present a warm and welcoming aspect to patients and visitors. In addition to lighting design for the public areas, KSLD provided design input into critical clinical areas including birthing rooms and neonatal intensive care units specifically considering the lighting suitable to relax mothers and babies.

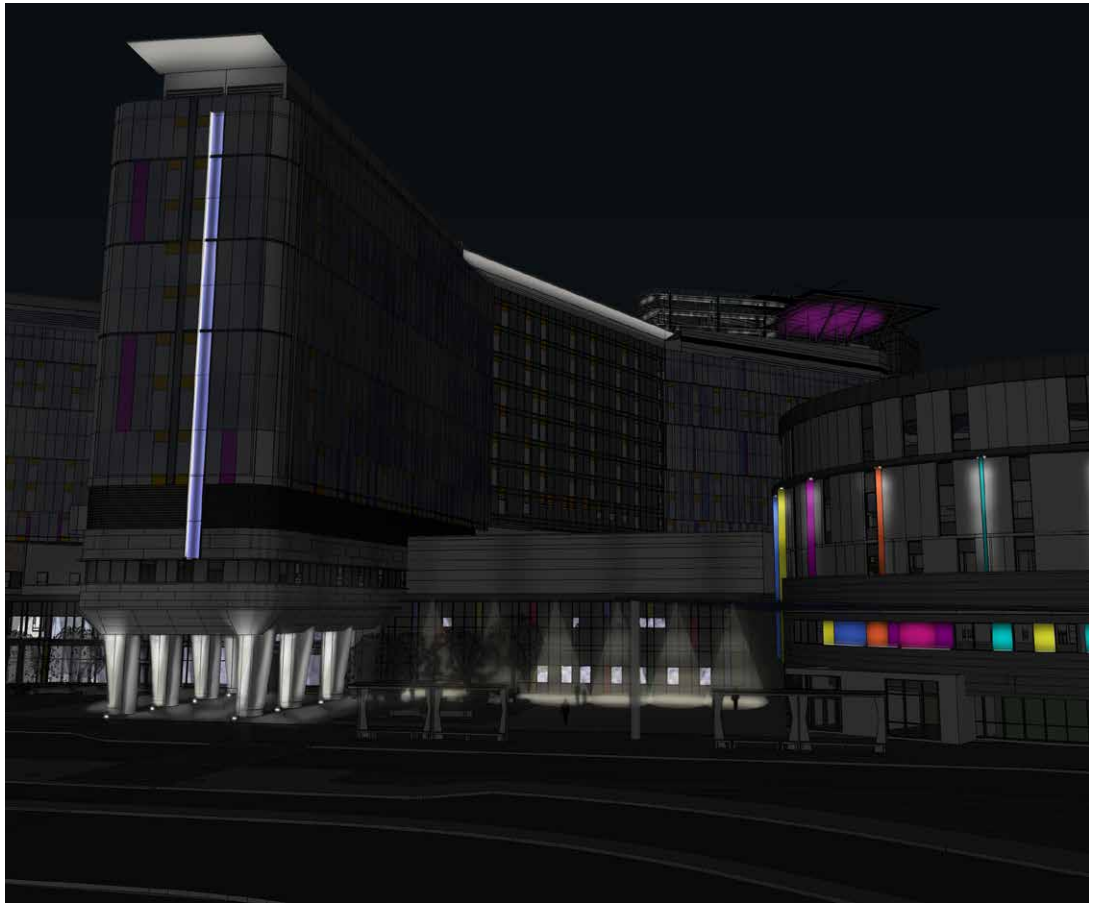
Peace Health Sacred Heart Hospital, River Bend, Oregon, USA

This is a large new hospital facility on a new site. We were introduced to this project by Anshen + Allen as the clients were looking for a distinctive hospitality direction to the interior design. Thematic interior design direction was provided by Wimberly Allison Tong and Goo, a respected hospitality architecture and design company. KSLD took direction from both WATG and A+A to develop lighting schemes for public areas that meet both the medical requirements and create a suitable hospitality feel to the building overall.

The New South West Acute Hospital, Enniskillen, UK

The new South West Acute Hospital is a large regional hospital providing services to the surrounding counties. Designed by architects Anshen + Allen with a global budget of £267 million, it was built by the Northern Ireland Health Group, a consortium which also runs the hospital in partnership with the Western Health and Social Care Trust. The architecture aims to integrate building and landscape in an environmentally and socially sustainable design. The circulation 'streets' maximise use of natural light, with daylight linking used to control the artificial lighting in these areas. KSLD became involved in the project in 2008 and remained actively involved over the course of the three year construction period. The scope included full lighting design for primary public areas such as the main atrium and exterior courtyards; and the typical design of repeated zones such as corridors, wards, waiting lounges and individual patient rooms. Particular challenges involved meeting the extremely high illuminance levels and uniformity required for examinations, while maintaining a comfortable ambiance for patients and visitors, and complying with energy regulations.

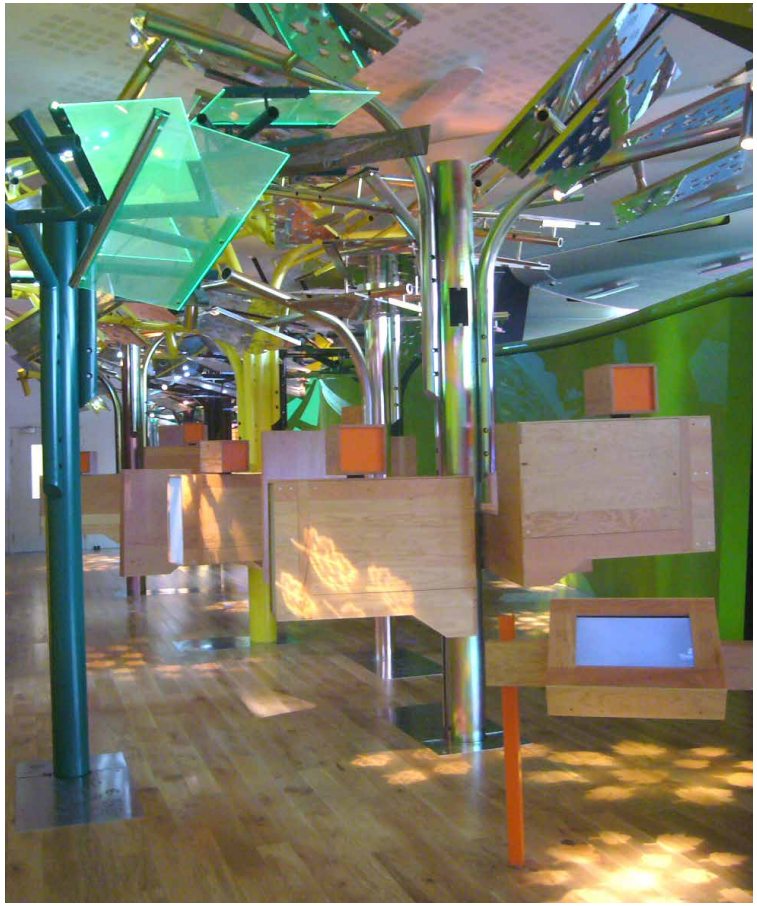
This project won Best Inpatient Facility in the Building Design Class at the Building Better Healthcare Awards 2013.

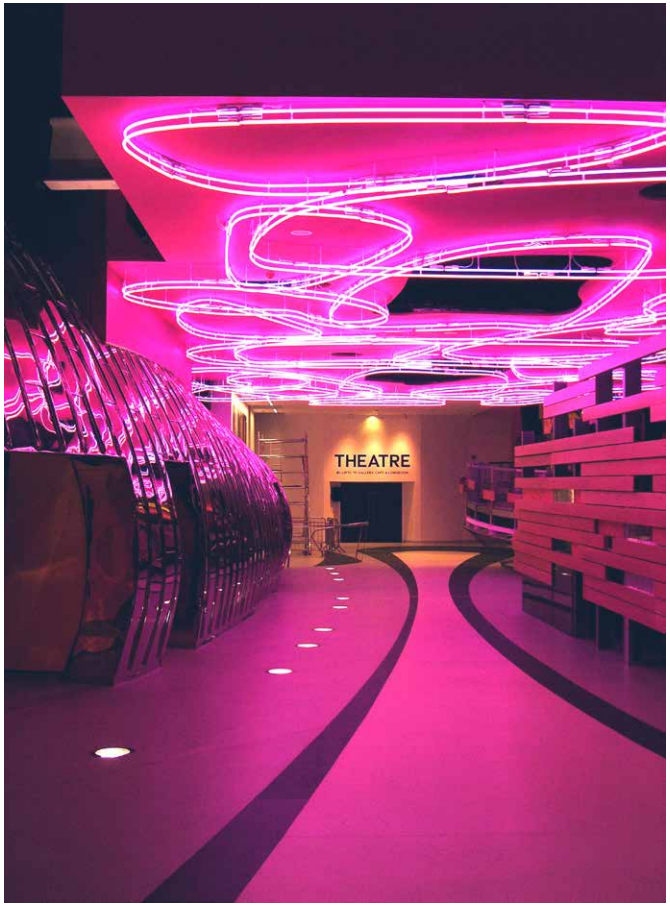


New South Glasgow Hospital, UK

KSLD were appointed to provide scheme design for the New South Glasgow Hospital project under Mercury Engineering. The design covered 12 different areas of the hospital including Restaurant/Children's Theatres, Chapel, NCH OPD & Atrium, Schiehallion Ward (Paediatric). The scheme lighting layout drawings show luminaire types, locations, dimensions and schematic control parameters. As part of the process KSLD prepared outline control specification. Lighting calculations were prepared for all major areas of the design and issued as part of Scheme Design process.

Arts



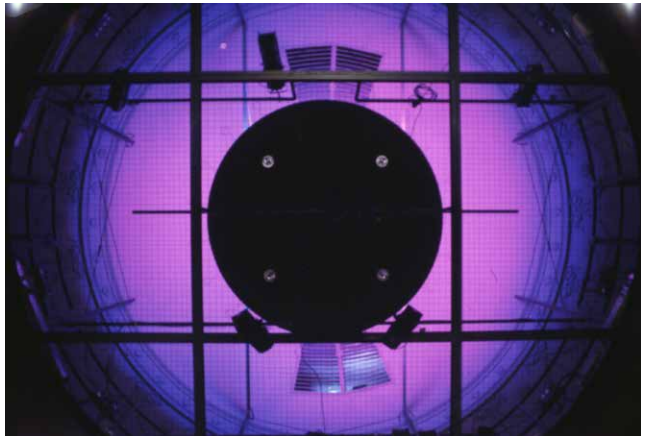


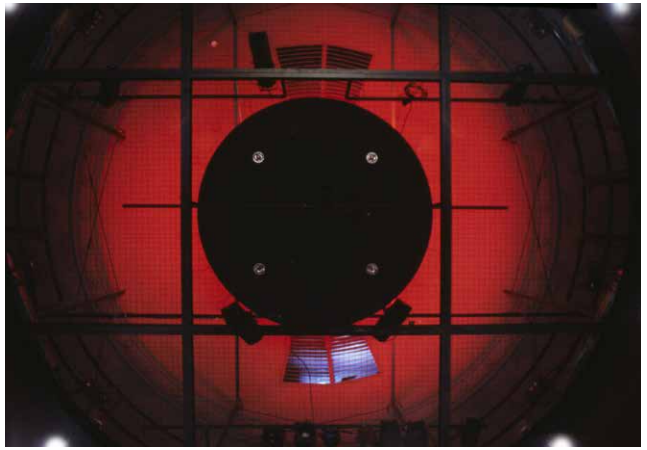
Photography by Kevan Shaw KSLD

The Public, West Bromwich, UK

The Public is an iconic building central to the regeneration of West Bromwich. It is an unusual arts venue as it provides office space alongside exhibition areas, arts facilities and cafes. Designed by Will Alsop, the building is in many respects an artwork in its own right. The lighting is designed to be an integral part of the experience of the building. Both colour and dynamics are employed to create a remarkable series of events within the multiform interior; essentially there are as many ways of experiencing the building as there are reasons to visit it.

This project won the Public Building category at the Lighting Design Awards 2009.



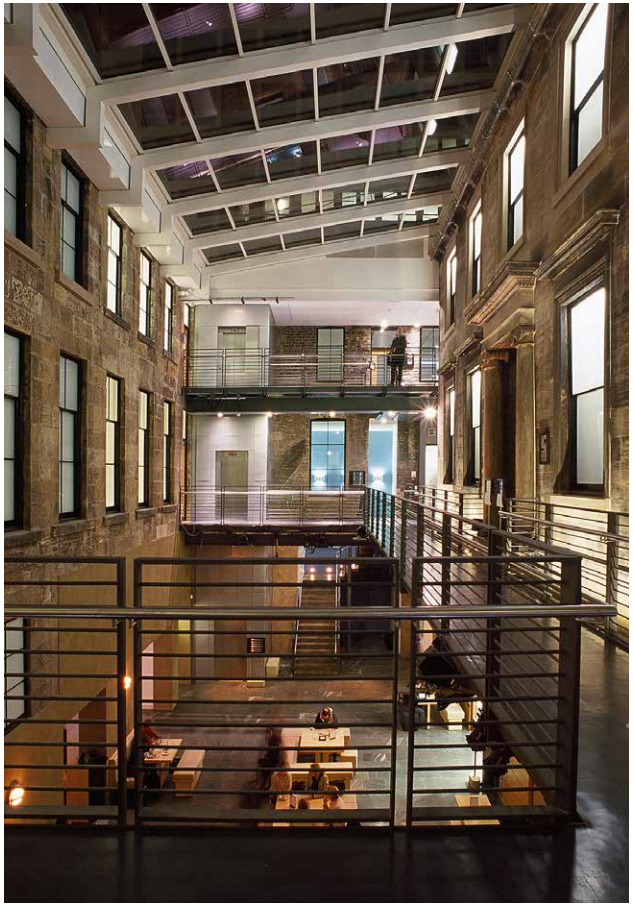


Photography by Kevan Shaw KSLD

The Tron Theatre, Glasgow, UK

This was a multi-phased development of an existing theatre and its associated spaces, in collaboration with RMJM architects.

The lighting design in each of the building phases was individually responsive to the architecture, whether contemporary or original. Collectively, the lighting design provided by KSLD was successful in its revelation of the layers of architecture, and also provided the Tron Theatre with flexibility, appropriate for the varied usage of the theatre.



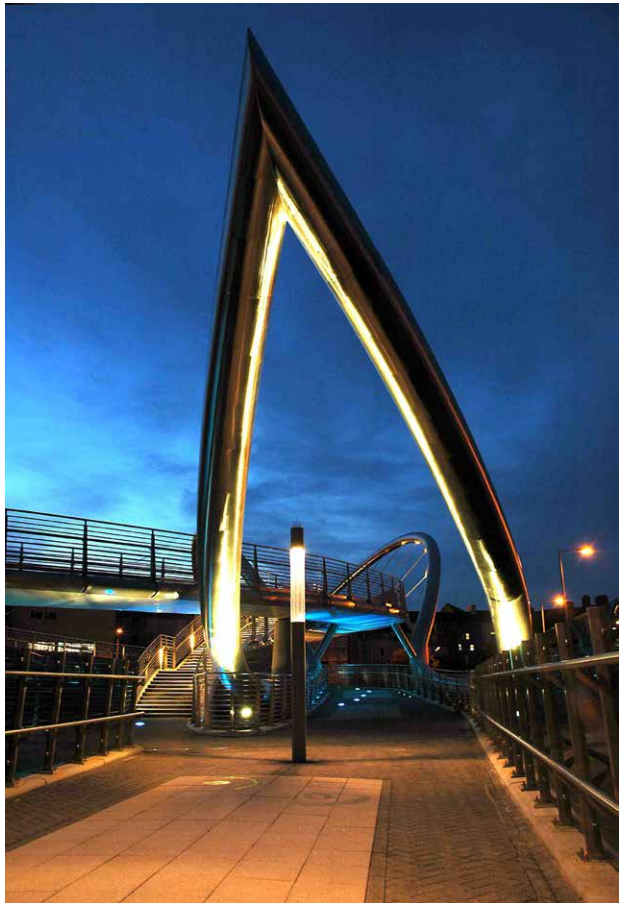
Photography by KSLD

Centre for Contemporary Arts, Glasgow, UK

The main challenge of this project was to create a level of flexibility and user interface, which the client required for the contemporary art venue within the physical constraints of the existing historic structure. The theatre and gallery spaces of the CCA required an integrated control and cable management system, to easily accommodate touring shows.

This project received an RIBA Regional Award in 2002.

Public Realm



Photography by Arwel Roberts at IoACC

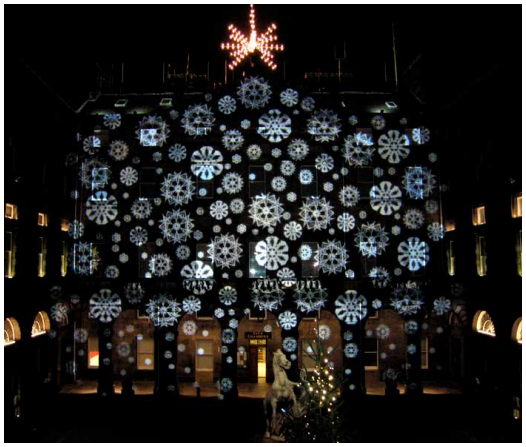
Celtic Gateway Bridge, Anglesea, Wales, UK

This challenging project creates a direct pedestrian link between the ferry terminal and the town centre. It was conceived to bring people into the commercial centre of the town. The structure has two elements a causeway over the docks and a braced arch bridge crossing railway and roadway bringing the footway up to the height of the main street. The lighting design works closely with the structure to create a welcoming pathway with key structural features highlighted creating a dramatic nighttime icon. The pathway lighting is warm white with good colour rendering making for easy identification of other bridge users, while structural elements are features in a turquoise blue to reflect the relationship to the sea.

Photography by McCoy Wynne

Public Lighting Installations

The Pool of Light Workshop 2008 was at the centre of the Liverpool One Regeneration scheme. Kevan Shaw was proud to be involved in such a workshop, educating the community, local councillors and businesses as to the benefits of thoughtful, well planned lighting design. The workshop lasted 7 days, culminating in the installation of temporary lighting to highlight important features. The lighting of the ventilation shaft was designed as a focal point, showing that heavy industrial urban features can be transformed to elegant visions of interest in the evening.



Photography by Eliza Sharp KSLD

Edinburgh City Chambers Festive Lighting

In 2005, KSLD were employed by the City of Edinburgh Council to provide festive lighting for the facade of the historic City Chambers building. KSLD designed and produced a giant Advent Calendar (pictured above) that was projected onto the facade by a Pani Projector. Each day from the 1st to the 24th December the projector's slide was changed and a new character revealed. KSLD also designed slides for the period between Christmas and the Hogmanay celebrations as well as a Happy New Year slide to be revealed at midnight on the 31st December. The Advent Calendar was displayed again in 2006 and several abstract designs including the snowflake slide were displayed in 2007.

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