

ANEW LANGUAGE OF LIGHT

Through integrated light we frame the plaza.

Through guidance we open up new space,

Enabling you to experiece, explore and play

This guide introduces the five fundamental methods of how light can be applied or integrated into an a plaza space.

Through a series of inspirational case studies we aim to provide a full picture of what can be achieved through a multi-disciplinary design approach.-

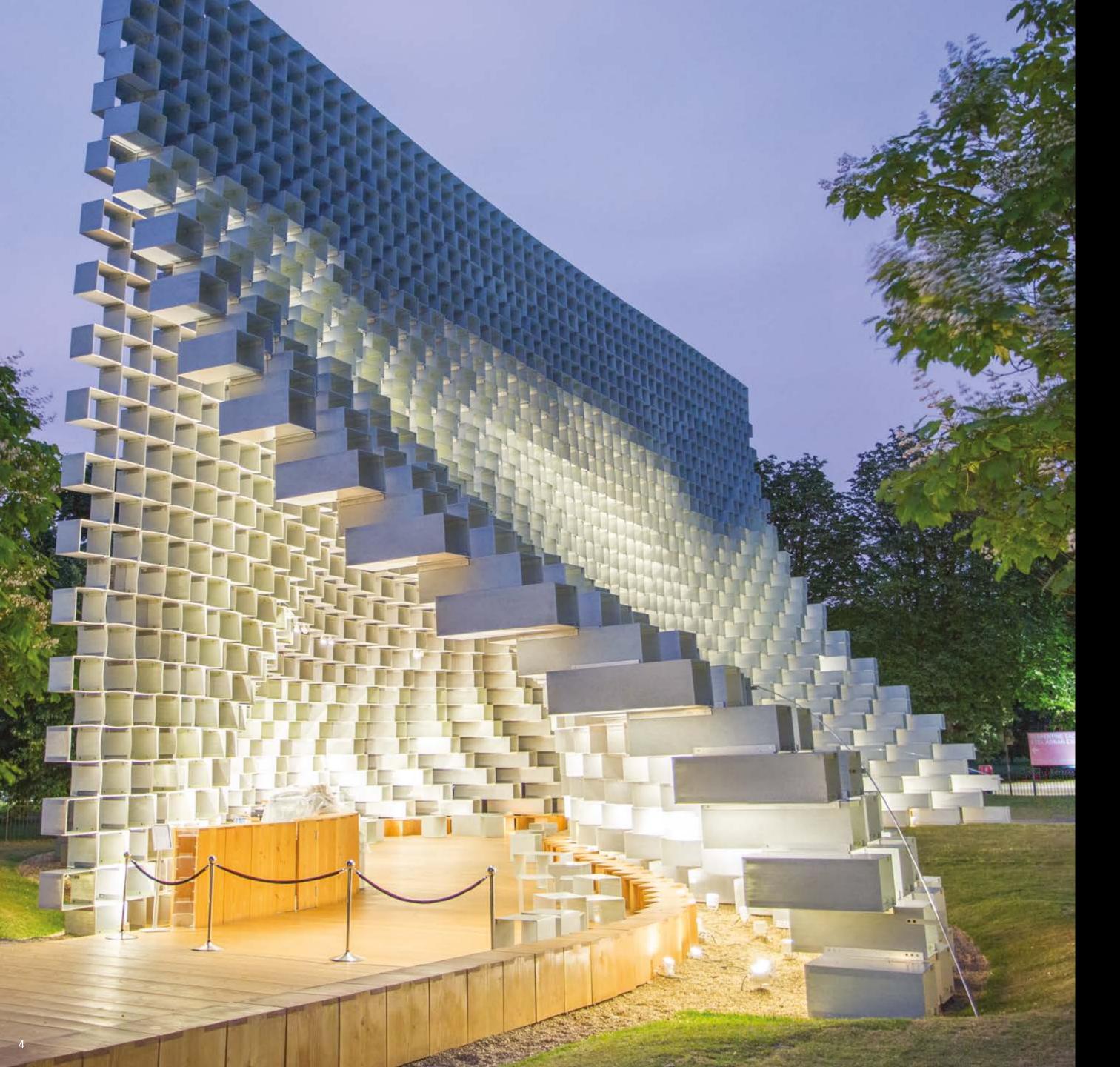


THE CREATIVE DRIVING FORCE IN ARCHITECTURAL LIGHTING

Project Title: Oxford Street, London Photography: Andrew Beasley

This page
Project Title: Kimpton Fitzroy, London **Lighting Design:** Lighting Design International Photography: Gavriil Papadiotis





WECREATE AMAZING EXPERIENCES WITH LIGHT

Lighting can turn spaces into experiences.

Using the captivating power of light, we change the way people see or react to buildings, environments and the space around them.

Project Title: Serpentine Pavilion, London
Lighting Design: Aecom
Photography: Zumtobel

TO AMAZE

By lighting a plaza or a landscape space, a new urban setting is created in the hours of darkness.

Bringing people out of their homes by creating a new destination, a node or a meeting point which amazes with light.

Project Title: Shakespeare's New Place UK Lighting Design: Speirs + Major Photography: James Newton





WHY DO WE LIGHT?

IDENTITY AND EXPERIENCE

We live in a world of global cultures and of great diversity, with a continuing need to develop new local communities that we can identify with.

Lighting within urban design enables and encourages social interaction for the ever changing needs of a community. Providing a sense of place in the hours of darkness thereby increasing accessible spaces at night where people can meet, enjoy and congregate.

A new language of light provides an identity, a persona to the urban space that people can identify and associate with and are proud of. In turn establishing a sense of social responsibility.

Project Title: Clitheroe Castle. UK

WHYDO WE LIGHT?

CELEBRATE COMMUNITY

Creative architectural lighting design creates value by designing a master-plan that encourages social activity.

Making a space attractive creates a relationship between the urban setting and the people that it identifies with - encouraging them to spend more time and more money through increased 'dwell' time in the hours of darkness.

Project Title: Burlington Arcade, UK
Lighting Design: Speirs + Major
Photography: James Newton





WHYDO WE LIGHT?

INTEGRATED AND SEAMLESS

Light shapes our view, our opinion of a space, how we feel and maybe even define whether we will come back again.

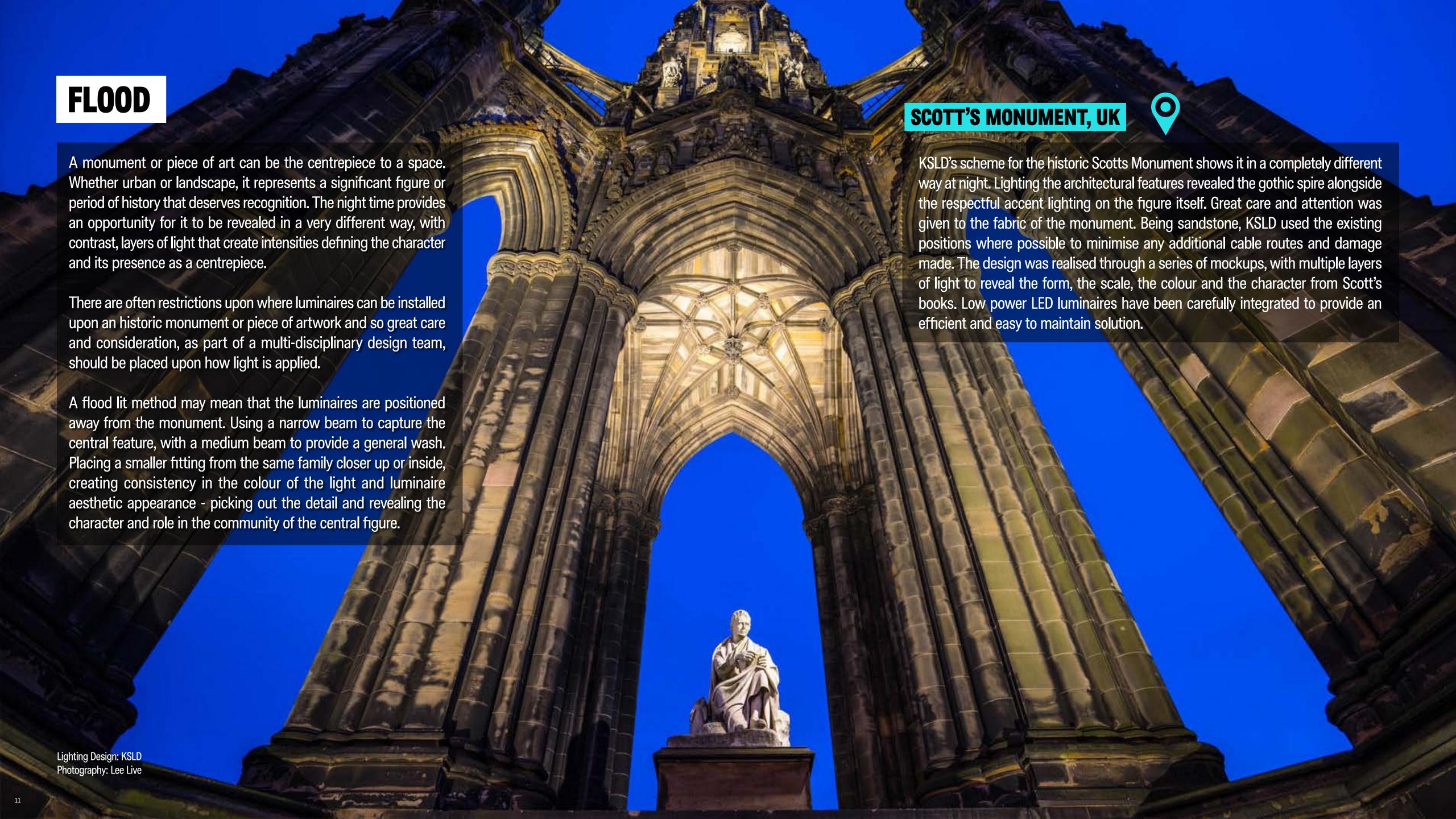
Light helps to shape our nocturnal view, bringing our attention to elements of an urban space, highlighting the materials, textures and finishes of the surfaces that are around us.

New technologies have enabled lighting to be considered earlier in the design process allowing for the luminaires to be integrated into the architecture providing a seamless solution so that by day the urban setting is seen and used in full view, but by night the luminaires and the lit effect brings the open space to life.

Project Title: Oldham Town Hall Lighting Design: BDP





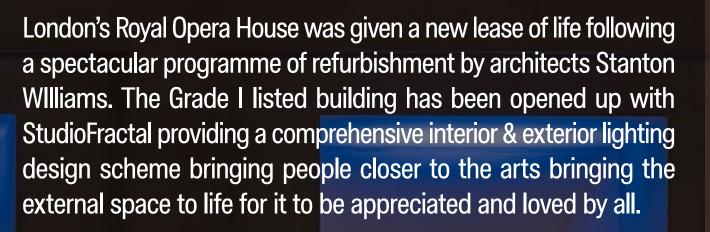


SPOT

Spotlighting provides an opportunity to pick out the detail, to accentuate the finish of a material, and to place more focus on a specific section of a building, a structure or a monument. The positioning of a spotlight should allow it to be seamlessly integrated into the urbanscape so as not to be seen during the day. And then by night, the lit effect makes people stop, look up, and appreciate what is around them, to value their surroundings.

It is the control of the light and the lit effect that ensures comfort for those using the space, whether it is by a deep LED recessed position or the integration of a louvre or snoot - thereby minimising the view into the light source and continuing to provide a high output and defined lit effect.

ROYAL OPERA HOUSE, UK



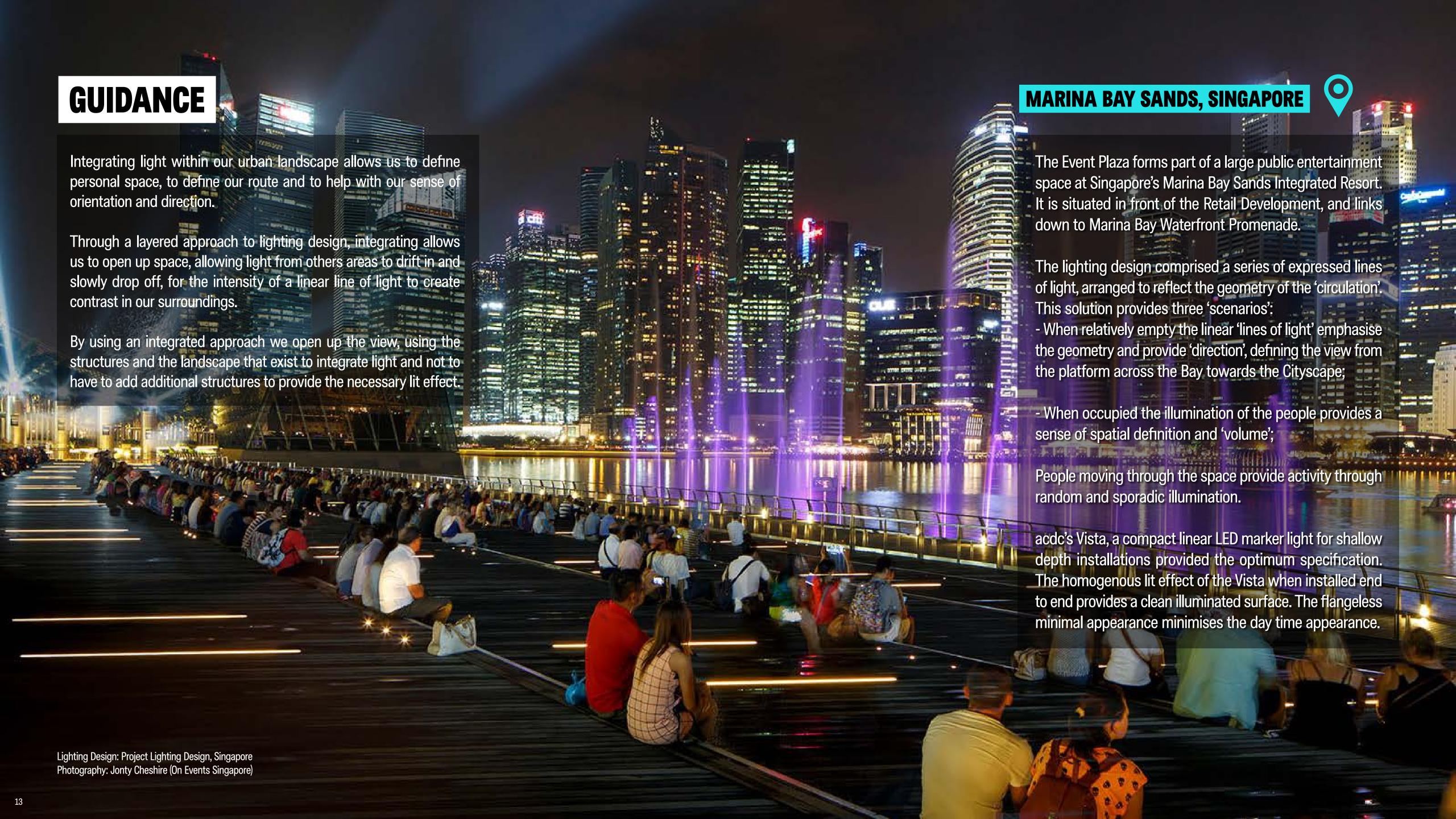
Covent Garden's piazza and retail colonnade is decked out with PLAZA spotlights drawing in the crowds, these compact surface-mounted gems dramatically emphasise the building's façade creating shafts of light accentuating the key verticals of the historic facade.













LIGHTING PLAZAS AND LANDSCAPES: WHAT MATTERS?

CONTEXT



Whether a plaza or landscape we must consider what the role of the lighting is within its context. Is it providing a centre piece, a meeting point or a route through to a final destination? Consideration must be given to how the surroundings are already lit, assuming they are not already part of the master plan, how can there be a balance ensuring one is not fighting with the other, but instead that they feed into each other.

Consider whether the lighting is being designed to increase the dwell time of an open public plaza, inviting them to spend time by creating pockets of light. Is an area for personal space being created or is it a about a route through and maybe a more uniform lit effect is required to define the route.

CONTRAST



The acdc 5 methods of application will help to determine the level of contrast that can be created within a public urban landscape. Consider the perimeter, the central features, and the interlinking spaces between them and how they can be differentiated using layers of flight.

The perimeter defines the space, the vertical, the back ground to our view. Consideration should be given as to how we can pick out the architecture with miniature spotlights or integrate linear luminaires to provide a graze lit effect fading off to the top.

The central features may be an amphitheatre, a raised landscape space with perimeter seating, or a key monument providing a centre piece to the square. The key to defining these features is how are people interacting with them and how do we control the light to ensure visual comfort - possibly creating height and depth to the space. These features are often greater or of equal brightness to the perimeter to define them within their context a creating a focal point.

The way the interlinking spaces are lit will help to define the other layers. By considering how the reflected light from the architecture adds to these areas, or integrated lighting within the seating can help to define the route and further ambient levels.

COLOUR



Whilst on special occasions coloured and dynamic lighting is used for façade lighting, the use and application of coloured light is limited within a plaza and landscape space. That said it is often the case that different tones of white light are used to provide differentiation of space and materials.

Colour is not only limited to the light, it is the colour of the area or feature being lit as well as its material and finish which should be considered. How we can the light emphasise it whilst bringing out the warmth, the texture, or the coolness and mirrored qualities.

A combination of warm and cool tones of white light are often used in architectural lighting to create contrast between red brick and white surfaces - the same is used in landscape architecture to create a contrast between the horizontal cool greys and the warmth of an historical façade. It can also be the case that warm and cool tones are used to create contrast between the central features and interlinking spaces to define routes and views.

CONTROL



The use of an external space evolves over the day and into the evening. The people using the space changes as do their needs of the space and landscape around them - the control of the light plays a critical part in the evolution over the day and into the night, securing a sense of identity and also safety.

Control can help the focus of an area evolve so that we begin to use a space differently over the evening. As we expect in our own offices, control can ensure light becomes more personal and more responsive to the needs of groups and individuals.

The lighting of monuments and pieces of art often integrate a more dynamic lit effect that may reflect a moment in time. Whether a significant colour to a time of day – careful consideration should be given to the location of the controls and how all other layers of light respond to that dynamic lit effect – how can it be the focus for the time of it being dynamic, are other layers on 100% or temporarily dimmed to a lower safe level.

LIGHTING PLAZAS AND LANDSCAPES: WHAT MATTERS?

GLOBAL



The location of the project is obviously critical to the type of luminaires specified in regards to the external ambient conditions. Making sure that they are suitable for extreme hot or cold conditions whilst also considering their placement in relation to their context.

A scheme must be for the long term and so consideration for all seasons and all uses must be a part of the design. For example if there are sand storms or falling leaves in the autumn then is the design of luminaire or accessories applied going to collect this and therefore reduce, if not eliminate the lit effect. Can accessories be integrated? Or a design to allow it to flow through?

If a fitting is in the ground consider how and if people will walk over them. Is it in a position where access equipment will need to drive over it, and therefore is it suitable for this application?

PEOPLE



A plaza or a landscape is designed for and is used by people. To encourage them to use it, to meet friends and family, to spend time, to enjoy and feel safe, it is all about them - and they must be at the centre of the design.

A scheme and it's design should embrace people. Consider their movements and how light can aid their journey. It should be a low glare solution for visual comfort, with integrated light where possible to define certain areas.

Create areas that encourage people to come together in the hours of darkness – those personal pockets of light.

INSTALLATION



Lighting design is about the detail. To execute it the contractor must invest their time and passion into the project as well. a new completing that influencing chain from lighting designer to some landscape architect, to contractor, installer and to end user is all important – getting everyone's invested interest.

The position and visual impact of the luminaires should be carefully considered and coordinated as part of a multi-disciplinary design approach - to ensure that all luminaires are accessible and maintained. It is not necessarily the luminaires that will detract from the overall impression of the space but the cabling or drivers and junction boxes that can be seen to detract from the complete installation. Consider the lighting and everything that comes with it to ensure that it is integrated into the architecture.

A full maintenance program should be integrated to ensure the safe access and maintenance of all luminaires and cabling. This should include a regular cleaning program of all the luminaires to ensure that the lit effect is maintained.

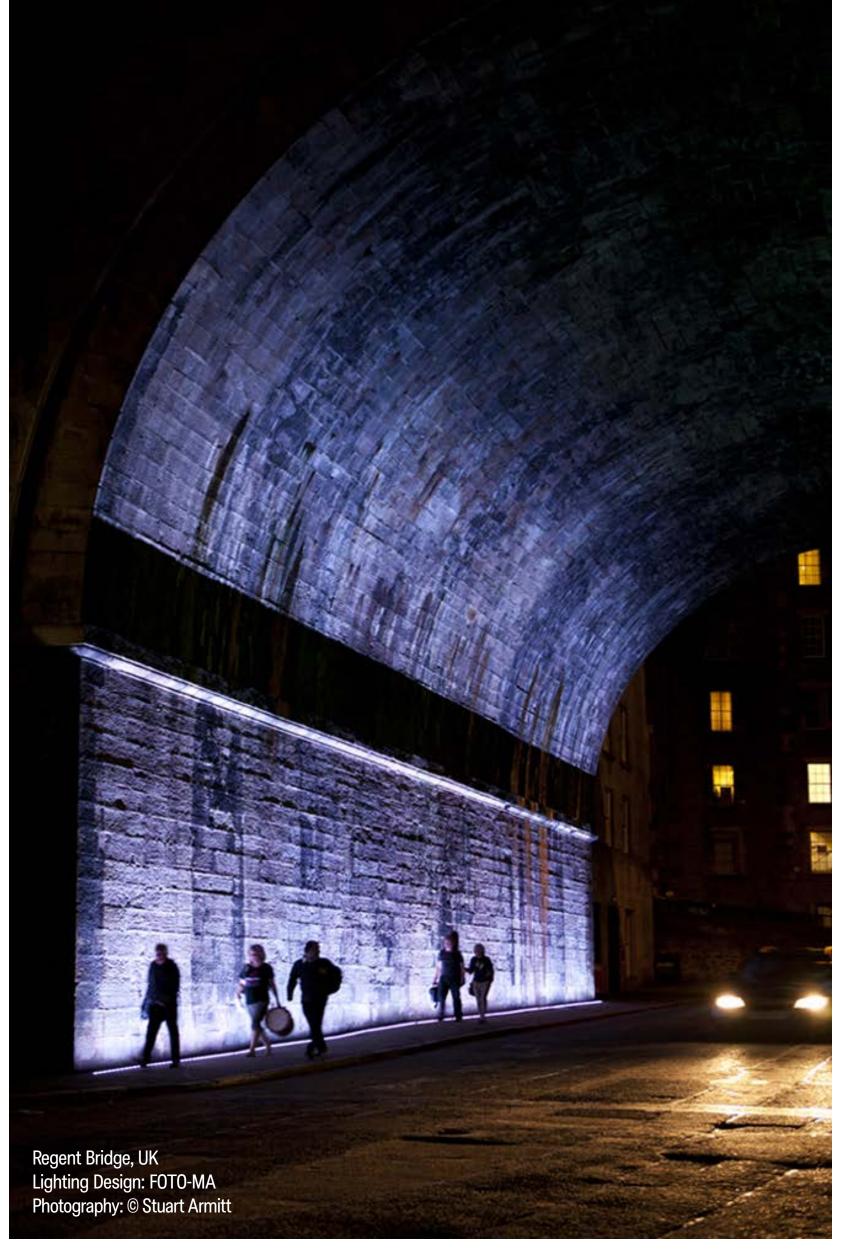
CUSTOM



Every project is different, requiring a new solution to create a new identity. There will be times when a project needs something a little bit different, you might even think – if only that product had a different LED colour or optic size or colour finish to achieve the desired lit effect.

acdc's promise is to create those amazing experiences with light, not just for the people who are amazed by the lit effect but for the people behind the project – the designers, consultants, architects, installers and contractors, and therefore a custom solution is the right option.





FLOOD - PRODUCTS TO USE, FUSION

INTELLIGENT, OUTDOOR LIGHTING POWERHOUSES

POWERFUL AND EFFICIENT INTELLIGENT CONTROLS MULTIPLE OUTPUTS

Simple minimalist design to seamlessly blend within the architecture. FUSION is hard as nails. Constructed die cast, corrosion resistant aluminium and finished in a specialist corrosion resistant powder coat paint.

WATCH THE VIDEO











SPOT - PRODUCTS TO USE, PLAZA S

POCKET SIZED POWERHOUSES

POCKET SIZED HIGH OUTPUT CLEAN BEAM DESIGN

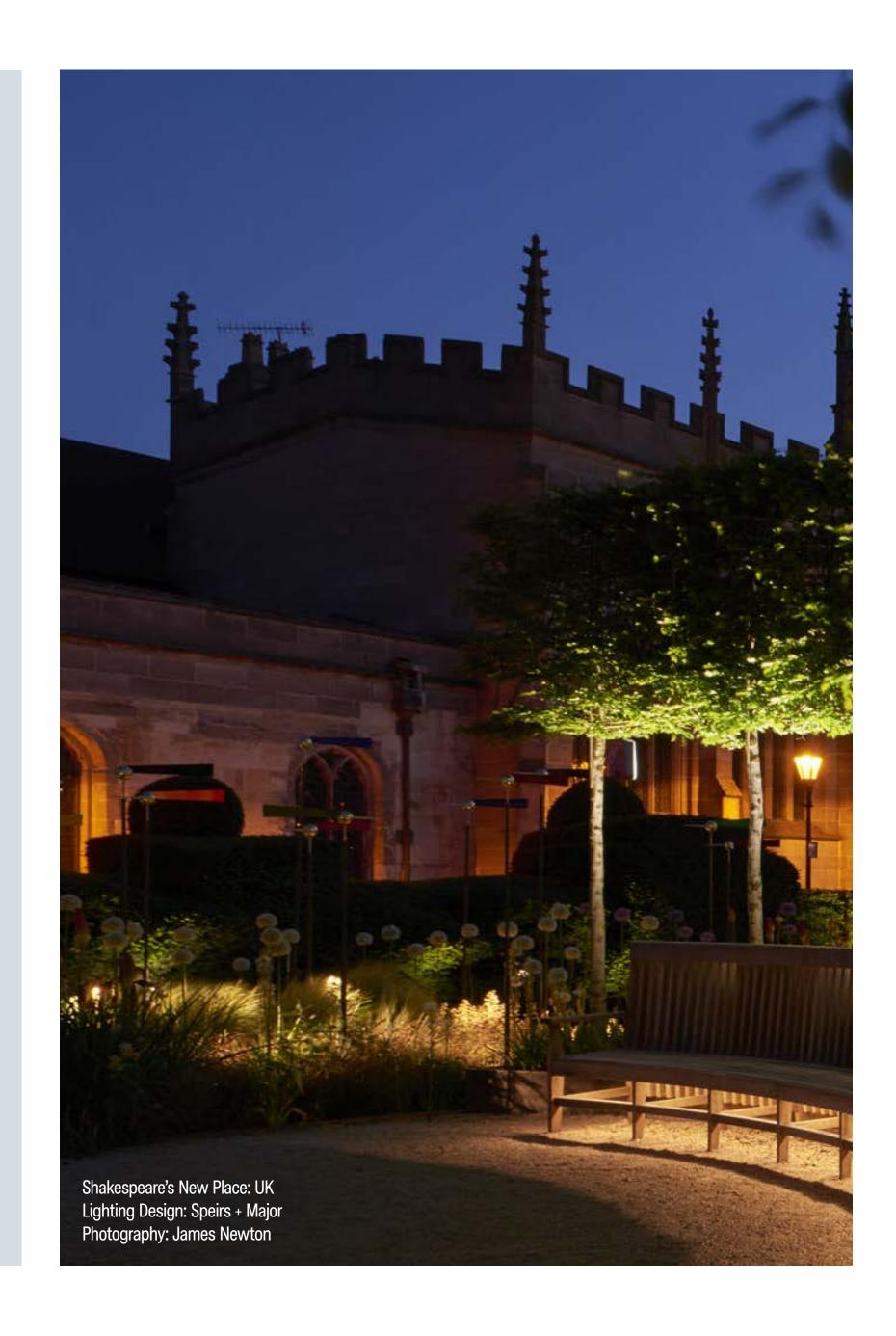
Incredibly small to blend seamlessly within the architecture. PLAZA S3x and S7x are finished in a specialist corrosion resistant powder coat paint to suit the demands of an exterior lighting project - ensuring longevity of the product.

WATCH THE VIDEO

SPEC ME







INTEGRATED - PRODUCTS TO USE, FINO FLEX

IP67 FLEXIBLE LIGHTING SYSTEM

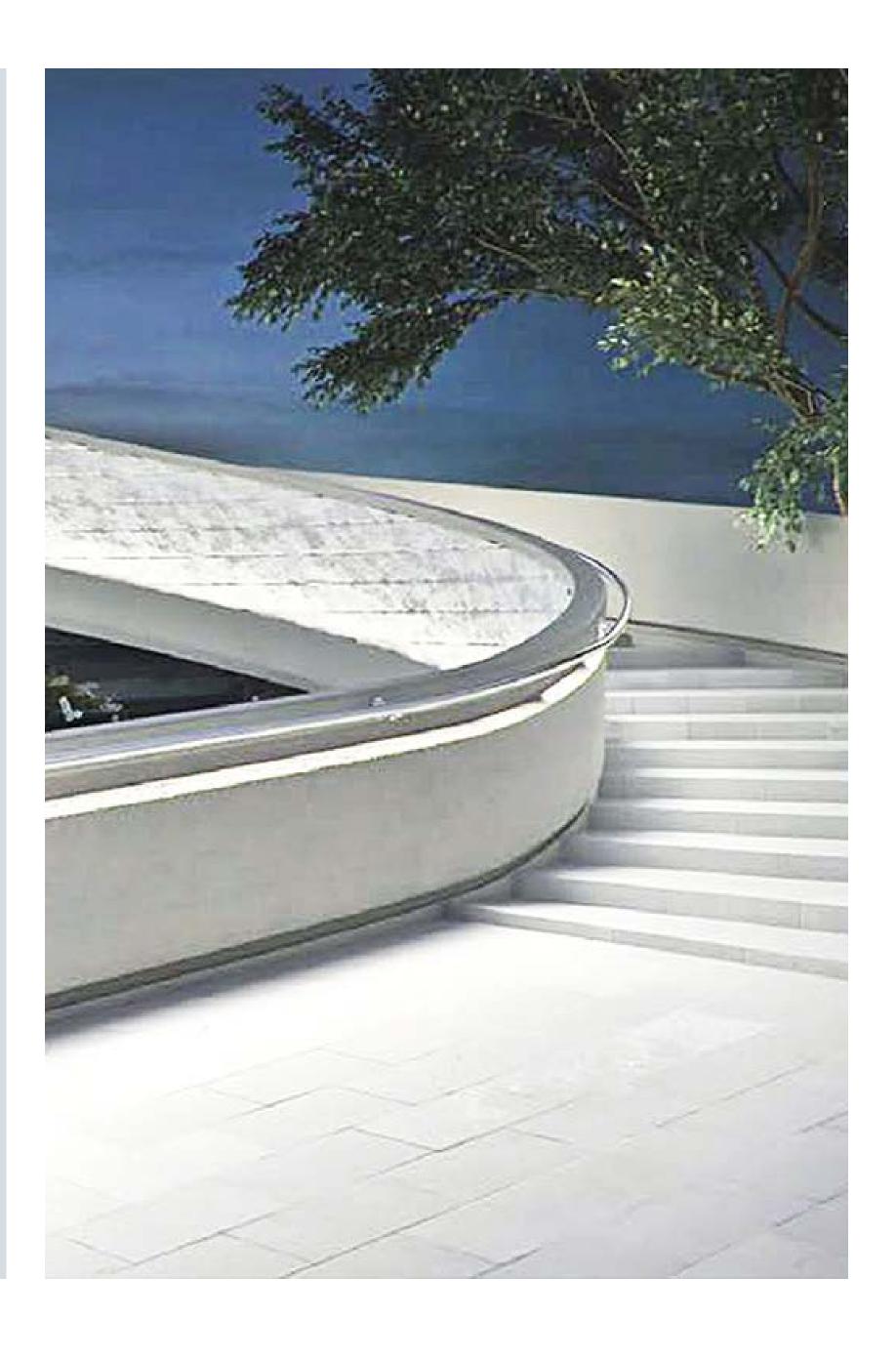
20M RUN LENGTHS
CHOICE OF OPTICS
QUICK, SINGLE PERSON INSTALL

A pencil thin flexible IP67 strip with integrated optics that packs a mean punch with 1667 lumens per metre. For use in internal and external architectural environments in 80 and 90CRI.

WATCH THE VIDEO

SPEC ME



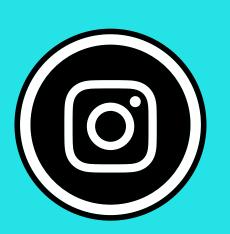


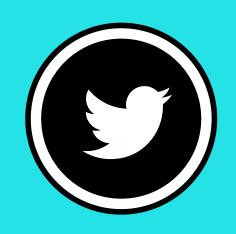
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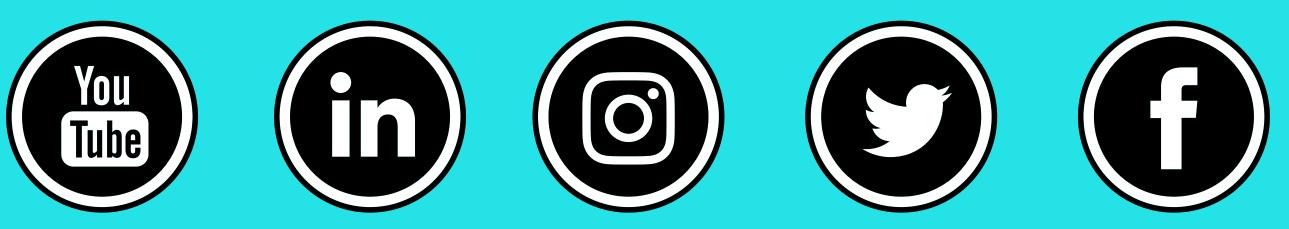
KEEP IN TOUCH











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