u n i b o x | Lighting



Lighting Brochure



Stiff + Trevillion appoints Unibox to create bespoke ceiling lightboxes for its latest commercial development.

Photography by: Stiff + Trevillion



Concept visualisations provided by Stiff + Trevillion.



Upon receiving concept drawings from our client, we began working to create a custom solution. To complement the brass finishes and crisp, geometric lines specified for the building's interior design scheme, we engineered a series of LED lightboxes that would perform exactly as Stiff + Trevillion imagined.





After producing prototypes of possible solutions, we used our Ledge 100 aluminium frames with specially developed







To uphold the end user's environmental and legal responsibilities, we advised using DXNR diffusers – a type of fire-retardant polycarbonate that allows for ultra-efficient light transmission – in each of the lightboxes.

" The lightboxes are absolutely fantastic and the reception has been described as a "knock-out" space. Your team has been excellent throughout and we would not hesitate to work with you again in the future. "

Emily Walker, Director at Stiff + Trevillion





Unibox creates back-lit flooring installation to accentuate the eye catching green agate tiled flooring for The Ivy restaurants across the UK.

Photography by: Johnny Stephens

The Ivy is celebrated as being one of the most sophisticated, visually-exciting restaurant groups in the world. Its clients expect that their whole experience will be exquisite in every way, something which is realised in the now iconic illuminated onyx flooring installations that take pride of place within The Ivy Asia dining rooms.



After becoming dissatisfied with the quality and reliability of their existing illuminated flooring, The Ivy's owners approached our team for support in creating a better solution for all of its UK restaurants. We carried out extensive research and development to engineer a system according to our client's exacting specifications, following strict guidelines on the colour temperature, lumen output, and power consumption of the LEDs used.





We used our LED light panels to deliver homogenous illumination from beneath a sea of green onyx tiles. Each of the panels was built using premium components and materials to ensure that the finished installation would blend seamlessly with the existing interior design scheme of The Ivy's restaurants and bar areas. We formed light guide plates (LGPs) from sheets of optical-grade acrylic, all of which were laser etched with a carefully calculated matrix of dots to capture and redirect the light evenly across the tiles.

The Ivy Asia, Mayfair, Londor



By completing much of the wiring and assembly in-house, we made it possible for the entire system to be plug-and-play so that the light panels could be installed quickly by electricians onsite in time for the grand re-opening.





Light panel power distribution groupings for The Ivy Brighton.











Unibox partnered with Onefine_Day, Commission Studios and 93Ft to bring the aesthetic of the iconic 1970s American roller rink, Flipper's Roller Boogie Palace, to life at their new 34,000sq ft west London entertainment destination. The Grade II-listed former power station is now home to a new roller-skating rink, live music venue, diner and pro skate shop.

Photography by: John Carey

The large, illuminated sign suspended over the dining area is 6 metres in diameter and is the venue's focal point. Unibox carried out a survey to assess how the enormous sign could be engineered in separate sections to fit through the standard size doorway, which was the only access point available. The sign then had to be assembled on-site to 'plug and play' around the seating in the dining area that was already in place.



Concept visualisation



The end result matches the concept render and is a striking lighting installation that celebrates the iconic 1970s American roller rink brand.

The team carried out numerous iterations to formulate the best assembly method that would allow such a large structure to be suspended whilst considering the installation and without compromising the overall aesthetic that the client was expecting.





Flipper's Roller Boogie Palace, London



Concept render

Finished result



The Unibox team engineered and manufactured the ceiling lighting grid for the venue's skate shop, which is located where there is no natural light on the ground floor of the building. The team ensured that it met with the client's specific colour temperature requirements.





The floating signs, featuring internally illuminated lettering in bright white LED, had to be specially engineered so that they could be suspended from the ceiling.



Unibox produced a neon LED light for Flipper's VIP area, Lizard Lounge. This had to be suspended from a truss bracket. Everything that Unibox produced was configured to be connected to the building's existing DALI controls.





Unibox manufactured a curved internally illuminated lightbox featuring the Flipper's 'The State of Being Free – LIBERTY' slogan. The brief included the requirement for the lightbox to match the mesh framework and for it all to be suspended, with precise fixing points. As there was limited access to the Grade II building, we produced the lightbox in modular pieces, so that it could be assembled on-site and lifted into place in one piece.

WITH





"Flipper's is a hub, a home, for creative expression. Our community is vibrant, dynamic, exciting, warm and free-spirited, and we will be the home to London's roller skating set!' I was born into the roller skating culture, so I am honoured to now provide a safe home for an experience with like-minded people I loved, respected, and learned from."

Liberty Ross - Founder



Unibox partners with Foggo Associates on the creation of architectural lighting for the lettable office space inside 70 St. Mary Axe.

Photography by: Julian Farmer

Rising high above the noise of the City of London, 70 St. Mary Axe sits proudly as one of the newest additions to the ever-growing collection of landmark buildings that make up the capital's iconic skyline. This 21-storey, 41,515m² development comes from one of the UK's most notable architectural practices – Foggo Associates – and provides efficient, flexible office spaces to the businesses that are shaping the future of global commerce.



Having created a building with such a distinctive, striking exterior, Foggo Associates felt certain that the interior of 70 St. Mary Axe needed to be just as impressive. They recognised the importance of carefully-considered, well-engineered lighting within this effort, but were struggling to find a supplier that would be able to offer the range of manufacturing capabilities, hands-on experience, and specialist insights required. After hearing of our team's ability to take on the seemingly impossible and deliver stunning results, Foggo Associates asked us to step in and help bring their concept to life.





For the main entrance and reception area of 70 St. Mary Axe, Foggo Associates designed an illuminated desk installation that would fit seamlessly into the concrete recesses already commissioned for the building's ground floor. This would provide a stark visual contrast to the accents of formed concrete which were to define the interior's aesthetic whilst serving as a fully-functional administration and customer service facility for tenants.



Upon realising that no off-the-shelf product in existence would be able to incorporate all of the features detailed in our client's brief, we set about developing a bespoke solution using our LED light panels. The edges of each light panel would need to sit perfectly flush with the architectural recesses, meaning their depth was limited to no more than 40mm. Also, as our client wanted the light panels to function as the surface of the reception desk itself, any materials used would need to be incredibly durable and easily removable to allow for routine maintenance or cleaning.



During the development process, we built a full-size prototype of the proposed solution that demonstrated to the architectural team at Foggo Associates how the design met the product brief. This enabled our client to approve our proposal feeling confident that it would meet all of their expectations.







Each light panel was engineered to operate using specially-developed 4000K LEDs and Makrolon DXNR diffusers – a type of fire-retardant polycarbonate that would meet B-S1-D0 standards. Additionally, knowing that the desk's face needed to be easy to remove and then re-insert, we took advantage of our in-house 3D printing capabilities and produced prototypes of bespoke fixings and clip mechanisms. By ensuring that the diffuser could be held in place under its own weight when suspended upside-down, these clips made it possible for us to achieve the full surround effect specified in our client's ambitious designs.







For the most publicly-visible areas of 70 St. Mary Axe – its main entrances – Foggo Associates wanted a lighting installation that would capture the attention and imagination of commuters passing by. To achieve this, they envisioned a series of oval-shaped luminaires that could be mounted directly onto the double-height ceilings of the building's doorways.







We used our Ledge 100 round lightboxes to create the series of oval lightboxes specified in our client's design brief. After working in close partnership with Foggo Associates to distil each element of their creative vision, they felt confident that our team had the technical capabilities needed to develop a product that would perform exactly as required.



Sitting proudly at a height of six metres above the floor, the lightboxes we created are unlike any others on the market. Each lightbox was engineered to operate using 90CRI LEDs that achieve a consistent Lux level of 200 and deliver crisp, energizing illumination at 4000K to both entrance areas.

70 St Mary Axe, Londo



Being one of the building's most frequently used features, both the design and functionality of the central elevator system were of crucial importance. The lift cars and surrounding lobby areas needed to match the sleek, luxurious ambience of the building's entrance whilst working to support the architect's commitment to meeting environmental and fire safety responsibilities.



Due to the non-negotiable dimensions of the building's lift system, any ceiling lighting developed for the lift cars themselves needed to be shallow in depth. Working within these parameters, we advised that the most effective result could be achieved by using a series of our Ledge 46 lightboxes – 10 identical elements, each measuring 1.7 metres by 1.8 metres.





To deliver the light levels specified in our client's brief from within a unit depth of just 50mm, we modified the technology that powers our standard Ledge 46 lightboxes so that they would operate using ultra-thin LED tape. This tape used 4000K LEDs so that the light levels inside the lift cars matched that of the lighting elements chosen for the building's reception area and lift lobbies.

Additionally, to ensure that our client would meet all commercial safety regulations, we devised a method of integrating emergency lighting into all of these lightboxes without impacting the overall aesthetic of the lift car interiors.

" Unibox was instrumental in seeing the project through the construction phase and was able to go the extra mile to ensure that every installation detail was properly considered...no matter how small or seemingly insignificant. "

Architect at Foggo Associates

Image above shows the design intent and inspiration for the lift car lobby area.

As part of the effort to make 70 St. Mary Axe as impactful as possible, the design of the main entrance and lift lobbies were of particular importance. These areas would be used multiple times a day by the majority of the building's tenants and visitors, meaning it was crucial for them to make a lasting impression through the installation of carefully crafted decorative features.

In order to bring our client's original brief to life, we proposed a ceiling installation using 154 of our Lux Plane LED lightboxes. Engineered to operate using powerful, energy-efficient LEDs, these would be able to serve as the sole light sources for all of the building's lift lobbies. To match the lighting in other areas, we advised that the lightboxes should use 4000K, high CRI LEDs that could provide 200 Lux at floor level.

" Unibox's wealth of experience using LED lighting and custom metal extrusions meant it was the perfect partner for the project. Its entire team worked patiently with us, helping to solve innumerable technical and logistical challenges. "

Lighting Designer at Foggo Associates

Once manufactured, we mounted all of these in groupings of 6 or 10 to create a visually striking grid of light on each floor of the building. In addition to upholding each element of the design brief provided by Foggo Associates, we took great care to ensure that our solution was engineered to be practical for use within a commercial development. To this end, we incorporated access hatches that would allow routine maintenance to be carried out on the M&E works that are located behind each lightbox.

For the lettable office space on the upper floors of 70 St. Mary Axe, Foggo Associates wanted to entice prospective tenants by offering them the perfect balance of form and function. They came to us with concept drawings showing a series of identical lines of light, the dimensions of which would match the glazing mullions which were to wrap up and over the building's exterior. This would create the impressive illusion of there being one continuous beam flowing from the outside right through into the offices inside.

To maximise their space's usability, Foggo Associates also specified that the system must be fully reconfigurable so that future tenants could easily divide the office space into sections suitable for their individual business needs. Additionally, they stressed that each luminaire needed to consistently deliver 400 Lux at floor level in order to promote a productive working environment.
We worked closely with Foggo Associates to develop a product capable of meeting their exacting specifications. We designed a linear luminaire which could be built by connecting a range of shorter lengths together in series. These short sections would be easy to remove, reposition and reinstall – a detail which would enable tenants to construct partition walls wherever necessary without causing disruption to the lighting system as a whole.



Our team developed a luminaire that used bespoke PCBs to achieve the required Lux level of 400. Also, conscious of our client's commitment to BREEAM standards, we worked to ensure that the luminaires would operate using less than 10 Watts per m².





For the third floor alone, we supplied and installed nearly 2 kilometres of bespoke luminaires. To future-proof the installation, these were designed to be supplied in 1312 separate sections of varying lengths so that the system would be easy to reconfigure according to tenant-specific requirements.









We added further flexibility by developing the luminaires to be a fully plug-and-play system. Made possible by incorporating cleverly-engineered cable harnesses and DALI driver assemblies, this feature means that all of the luminaires operate by being plugged directly into one another thereby allowing for quicker, more straightforward installation on-site.



From concept through to completion, our designers, project managers, and product developers worked closely alongside Foggo Associates to create a series of architectural LED lighting installations that would excel in both form and function. We took a technically complex brief and delivered solutions that matched our client's creative intent exactly. Undeniably spectacular from every angle, the end result is something that captures the attention of passers-by and brings their focus directly into the building's interior whilst providing premium working facilities for London's leading businesses.

For the third floor alone, our team supplied over 1800 metres of bespoke luminaires. To futureproof the installation, these were designed to be installed in 1312 separate sections of varying lengths so that the system would easy to reconfigure according to tenant-specific requirements.

"We had a long search before finding a company that could create the bespoke lighting envisaged for 70 St. Mary Axe. The results have exceeded everyone's expectations and we look forward to any opportunity for collaborating with the Unibox team on future projects. "



Architect at Foggo Associates



Unibox partners with Grapes Design to transform the interior of Tekzone Sound & Vision's Selfridges store.

Photography by: Michael Franke



Following a creative brief showing a lighting matrix inspired by the sci-fi film, Tron, we devised a solution using 300m of aluminium profiles with integrated RGB-W LEDs. These lightbars were assembled in a custom configuration to create an installation that is entirely unique.









Our team used DMX as opposed to wireless technologies to control the lighting system. By



The linear luminaires and ceiling lightboxes were enhanced by Neonist wayfinding signage, creating a coherent store concept that is now synonymous with Tekzone.





Unibox partners with Schuh & Briggs Hillier to create a striking new store concept.

Photography by: Briggs Hillier



Upon receiving the design brief for Schuh's TwentyTwenty store concept, our team began developing a bespoke solution. We integrated LED lighting technologies with sustainably sourced aluminium profiles to create a retail environment unlike anything else on the market.









" Thank you for all your efforts in getting this project over the line. It has been a pleasure working with the Unibox team and learning from each of you as we go. The results speak for themelves! "

Head of Store Development at Schuh



The standout feature of the concept was the illuminated archways that were to span the full width of the stores. These goalpost-inspired structures were engineered to serve as the principal merchandising system for Schuh's footwear ranges, including robust display shelves with integrated accent lighting.











For just one of Schuh's 132 UK stores, our team supplied over 120 metres of illuminated profiles as well as nearly 1 kilometre of RSB extrusion with bespoke brackets.





Parkeray appoints Unibox to design and manufacture a bespoke staircase with integrated illumination for The Scalpel.

Photography by: Unibox



Concept visuals provided by Parkeray.





Staircase elevatior

We worked in close collaboration with Parkeray and the project's architects, KKS, to develop a solution that would exceed everyone's expectations, functionally and aesthetically. Following exacting specifications, we developed a solution using a series of our Ledge 100 lightboxes, all of which were engineered to operate using colour-changing LEDs, be compatible with a Simmtronic system, and have integrated emergency lighting.



CAD layout & dimensions for the lightbox arrangement.









Our team constructed a complete set of mock-up lightbox frames to allow for pre-production checks. By carrying out such thorough testing, we made sure that our client felt confident that the lightboxes and steel framework would fit together flawlessly. Now, fully installed, the illuminated staircase has been referred to as the "jewel in the crown" of the entire commercial office space inside what is a landmark London building.

" The products, installation, and service provided have all been exceptional and the client is overjoyed at the end result. I'm hoping to work with Unibox again in the very near future. "

Vince Bevan, Project Manager at Parkeray





Unibox provides Aesop with a custom architectural lighting detail for skincare brand Aesop for their brand new retail location in London's Regent Street.

Photography by: Aesop

Unibox collaborated with Aesop and main contractor New Wave London, with whom we worked to deliver the project. Our team manufactured six irregular quadrilateral shaped tension fabric lightboxes, with 24v tuneable white LEDs and DALI compatible drivers. The contactor surveyed and supplied plywood templates for the six lightboxes, which we used to draw up each box, allowing for suitable tolerance.

The lightboxes were supplied with unprinted white stretch fabric graphics to match the shape of each lightbox and diffuse the light to emit a warm ambient glow that complements the retail environment.





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Unibox created lightbox infills in their window apertures using its lighting know how and technology to simulate daylight to provide the correct amount of light to the overall space. Photography by: Tom Sebastiano



Situated below street level, Caffè Concerto's newest restaurant in central London had limited access to natural sunlight, an issue that the chain's owners were keen to overcome prior to its grand opening. We worked alongside Tekne Shopfitting and Dover Design to create a series of window lightboxes that would replicate the look and feel of real windows and ensure that the space had the optimum light levels for its patrons.



Our team engineered a solution using Ledge 65 lightboxes, each of which was manufactured in the irregular shapes required to fit seamlessly into the contours of the restaurant's stairwells and mezzanine level. The lightboxes were all built using LEDs that delivered light at a colour temperature of 4000K and boasted a colour rendering index (CRI) of >90. These LEDs were also colour-tuneable and dimmable using a DALI system to ensure that the interior atmosphere could be adjusted to suit the time of day.



Unibox creates reconfiguarable illuminated shelves for DITA Eyewear's brand new retail space in Brompton Road, Knightsbridge.

Photography Source: Superfuture®





DITA Eyewear has opened a brand new retail space on Brompton Road, Knightsbridge. The illuminated shelving utilises our Konnekt S50 power delivery system, allowing them to easily move and reconfigure the shelving whenever they need to refresh their display.

Konnekt S50 easily fits into standard posts that have the S50 slot detail, upgrading the widely available shelving system into an illuminated display.



Unibox designs and manufactures custom, skylight-effect lightboxes for Mitsubishi's shopping centre showrooms.

Photography by: Unibox

The brand experience masterminds at Dalziel & Pow asked for our support when working to create a high-impact showroom space for Mitsubishi inside the Intu Lakeside shopping centre. Following a brief inspired by the rugged, untamed spirit of the cars themselves, we were asked to create a lightbox installation that would transport shoppers out of the mall's main thoroughfare and into the wilderness.





With the store having no external windows, the installation of the genuine skylights detailed in Mitsubishi's design brief simply wasn't an option. Our team overcame this issue by engineering a bespoke solution using our patented Kinetik lightboxes. When recessed into the ceiling, these replicated the appearance of skylight windows by showing dynamic graphics of soft, rolling clouds and using LEDs with a colour temperature to replicate the effect of natural sunlight.



Unibox delivers bespoke graphic displays with integrated illumination for KPMG's office building in Leeds.

Photography by: KPMG



Our team joined forces with the urban regeneration specialists at Muse Developments to engineer a custom lighting installation for the main atrium space of KPMG's Leeds HQ. With the exterior of the building having been designed to blend seamlessly with its surroundings, the interior needed to follow suit. We took this brief on board and proposed a solution using large format LED lightboxes that would feature rigid panel graphics printed with elegant, greyscale images of the local area.





In the architectural plans provided by our client, the lightbox installation was to span the full height of a four-storey atrium inside the heart of the building. We tackled this ambitious brief by designing and manufacturing wall-mounted LED lightboxes in differing sizes to fit perfectly into the gaps between the lift shafts of each floor. We used 4000K LEDs so that the entire installation would sit in harmony with the ambient lighting provided by the skylight window specified for the building's ceiling.





Unibox collaborates with electric automotive brand Polestar to create ceiling lightboxes for their one of a kind and minimalist retail store to showcase, demonstrate and inform customers about models without sales people.

Photography by: Polestar

Polestar collaborated with ITAB to help realise their store concept that reflects the companies design language of minimalism and uncompromised design. Using our lighting expertise we had to ensure we could provide homogenous lighting, an efficient light source and high colour rendering properties all encompassed in a ceiling lightbox to create optimal illumination of the environment.



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