

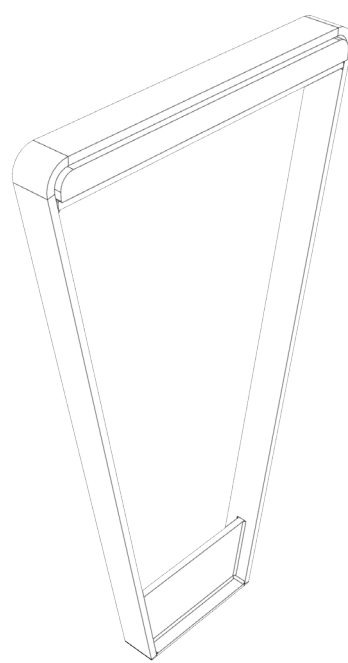
LOCI

STREET FURNITURE, SIGNAGE AND LIGHTING



Marshalls

Creating Better Spaces



CONTENTS

PAGE 03-04	CONCEPT
PAGE 05-06	SHAPE AND FORM
PAGE 07-08	COLOUR
PAGE 09-10	MATERIALS
PAGE 11-12	SEATING CONCEPT
PAGE 13-14	SEATING DESIGNS
PAGE 15-16	BOLLARDS
PAGE 17-18	CYCLE STANDS
PAGE 19-20	LITTER BIN
PAGE 21-22	WAYFINDING
PAGE 23-24	LIGHTING CONCEPT
PAGE 25-26	LIGHTING TECHNOLOGY

CO-ORDINATED **CONTEMPORARY** DESIGN, **EXTRAORDINARY** VALUE



SIMPLICITY, ELEGANCE, FLEXIBILITY AND FUNCTION

Loci is a new concept in contemporary street furniture, lighting and signage.

Building on our 25 years of experience in the public realm, Loci redefines the balance of design and value through a collection of cost effective pieces that will create or enhance a sense of place.

The range possesses a timeless quality and its compelling design will sit comfortably alongside a variety of architectural styles. The aesthetic is maintained through a full suite of lighting and street furniture and, through further project customisation, the already diverse set of products offers additional opportunities to stamp a dynamic individuality on any scheme.

Loci is also perfect for the affordable renovation & renewal of facilities, with an injection of colour that will distinguish and define specific areas. The range represents a total cost-of-ownership proposition that is robust, upgradable and easily refurbished in the future

A FRESH PERSPECTIVE ON STREET FURNITURE

SHAPE AND FORM

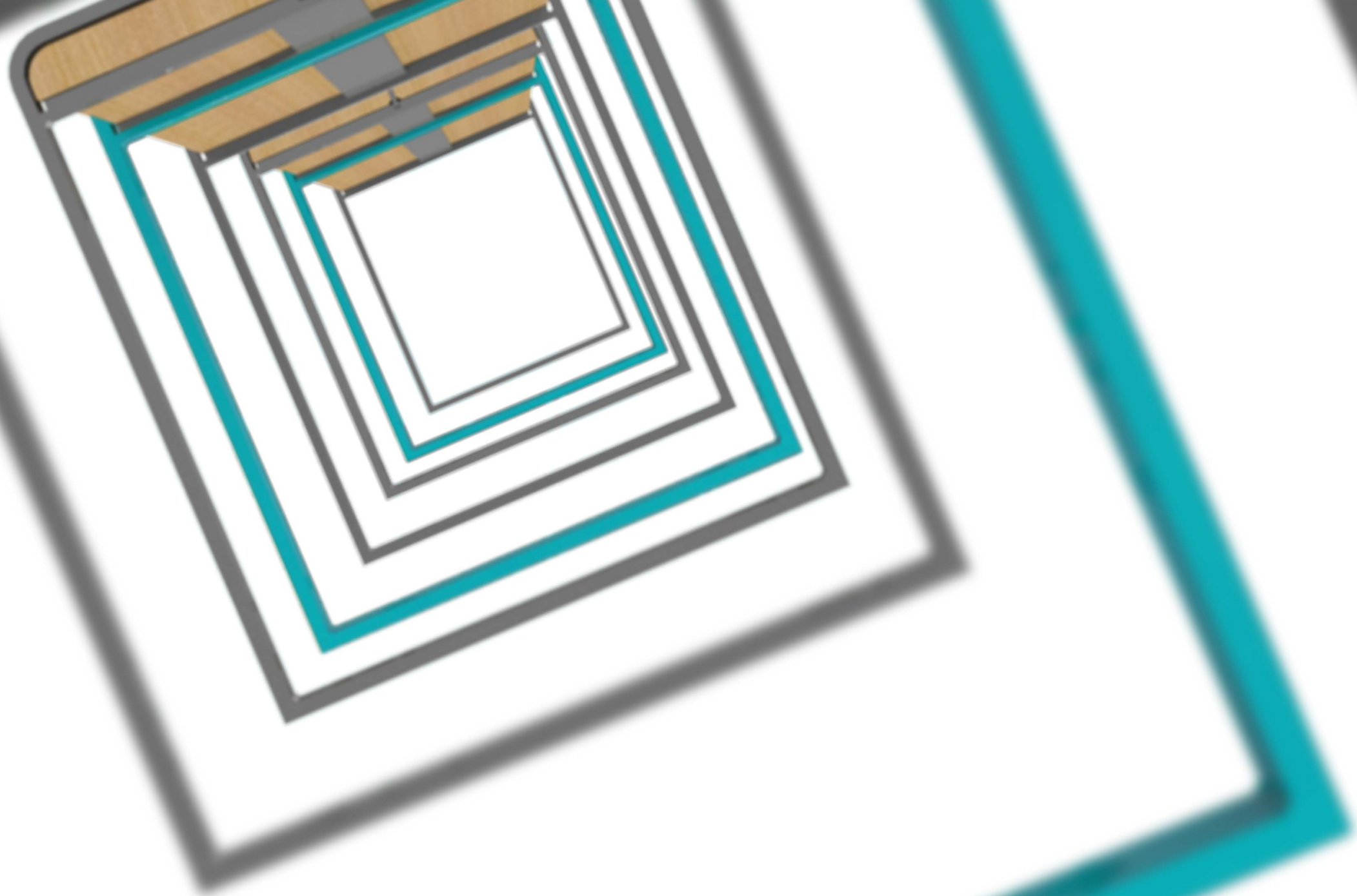
The flexible design of Loci has a distinctive lightness and transparency. With a clear linear profile based around square forms, the individual elements work well in groups due to their lightness of presence.

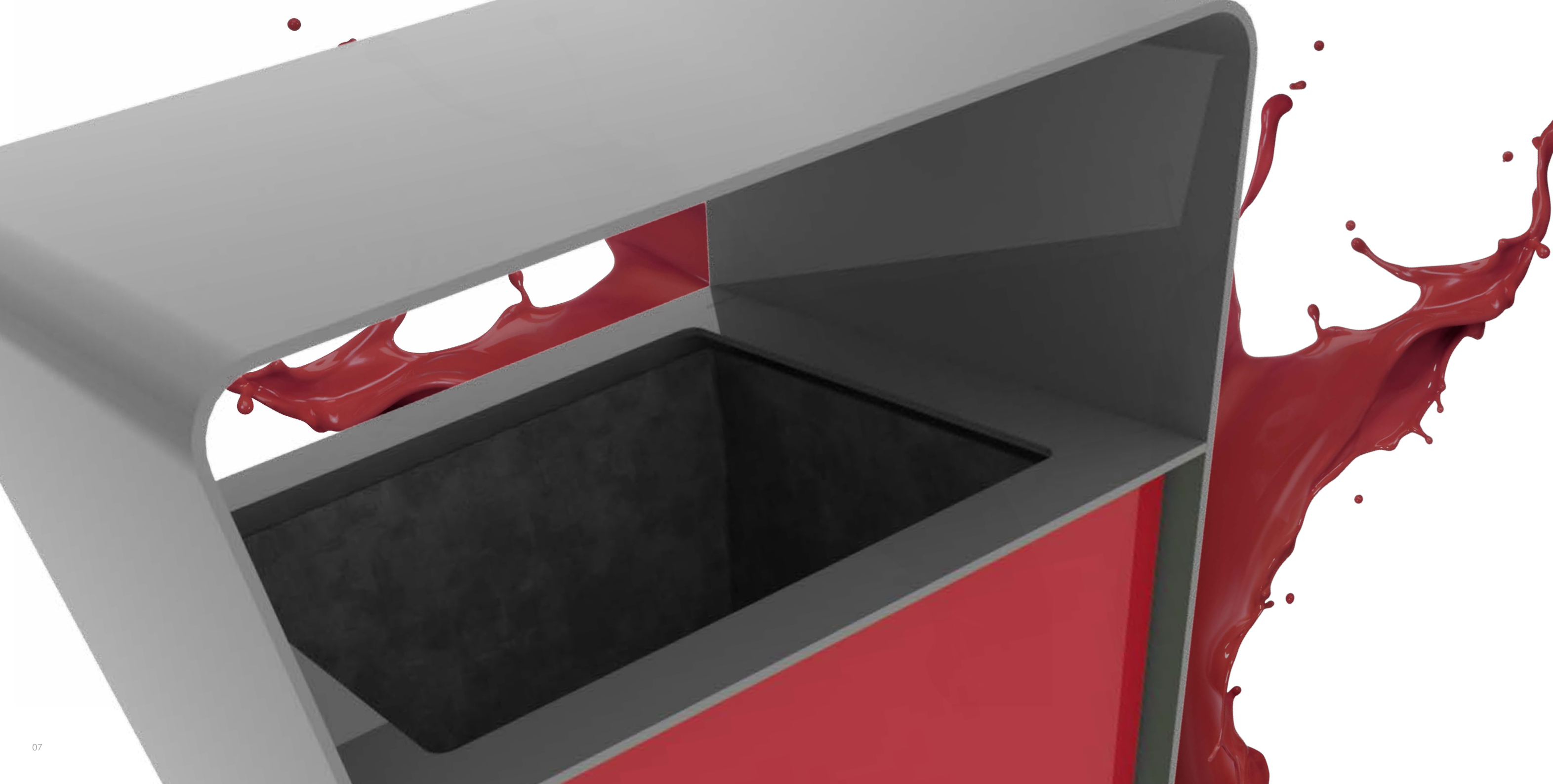
Loci responds to the architecture of its time and its uniquely asymmetric design resonates through the full suite of products. The eye-catching 'ribbon' element offers enormous potential for creativity and flexibility within the core design that might also be used to articulate identity.

APPLICATION

Each frame is conceived as a simple, yet robust, shape and establishes equilibrium of lightness together with strength and stability. A well executed fusion of functionality and comfort. Every element is visually consistent, with design touches echoed throughout the family for an emphatically professional result.

Loci is designed to fit within a number of 'scapes' and is particularly appropriate for human scale projects such as hospitals, colleges and universities. The ability to customise with colour, adding character and personality and supporting the definition of zones also makes Loci well suited to retail and business parks.





EVERY COLOUR IS GREEN...

WHY USE COLOUR?

Integral to the blueprint of Loci is the ability to introduce distinctive colour to create exceptional elements of street furniture. Available in all RAL shades, (including Effect colours and the metallic range), there are endless combinations to define Loci exactly as you wish.

Colour is applied to Loci through a powder coated system that is Volatile Organic Compound and solvent free. The paint finish provides robust and durable protection without the need for environmentally damaging galvanising processes, thus actively reducing your project's environmental impact.

The powder coating paint application process ensures minimal waste, with excess powder collected and reused, resulting in low wastage and therefore economical benefits.

WHAT CAN COLOUR DO?

In recent years, the bold use of colour has swept through the built architectural world to profound and dramatic effect with a multitude of projects across diverse sectors adopting this trend to great effect.

The incorporation of colour into the built environment has always been integral to the design process and inspiration is often provided by local context, in terms of either architecture or landscape. The field of environmental psychology is a major influence upon design practitioners and the use of colour is a vital factor in this discipline. Used correctly and perceptively, it will have a powerful effect upon peoples' experience of and behaviour within any environment.

THE IMPACT OF COLOUR

encourage wellbeing through specifically creating uplifting, soothing, enlightening, playful or contemplative environments. Through tonal customisation, you can also express and support a brand or local identity through every element of the landscape such as paving, furniture and planting.

Clever application can identify the uses of different parts of a building or area, assisting with placemaking and wayfinding. As it can provide legibility, colour may be used to attract attention but with contrast being carefully considered to create a truly accessible environment.

Colour can be used to support certain activities, for instance invigorating/activating in a sports area or calming/relaxing in a parkland setting. Furthermore, the use of colour may help reduce antisocial behaviour through a greater sense of ownership and belonging.

COMPOSITION - LESS IS MORE

Formed in precision fabricated 8-10mm steel, the Loci range is incredibly durable; the lightness of the design belying the structural integrity of each product. Through our approved network of suppliers and rigorous internal quality control, the finish of all items will be as consistent as their design.

GOOD DESIGN SHOULDN'T COST THE EARTH

Loci addresses sustainability throughout the product life cycle:

- FSC Certified timber is selected as standard
- A technologically advanced paint process is used in favour of the toxic and energy-intensive galvanising process and we choose a powder coating system that has a lower ecological footprint than the competitors.
- There is minimal waste created through our powder coating system as any overspray is reclaimed and recycled or reprocessed in our efficient painting plant.
- The range is entirely recyclable at end of life as individual components are not amalgamated, allowing for simple segregation of materials.

BUILT TO LAST

The UV resistant polyester powder coat is guaranteed and the particular application system we use has an anticipated 25 year life.

The finish is applied in our own paint application plant, which is strictly assessed and accredited by the paint manufacturer, to the extent that it is also used as a benchmark for other UK paint facilities.

This particular paint system is rigorously tested in marine environments on submerged buoys and is designed for highly corrosive environments. The three layer system includes two primer coats to protect the raw material, so you can be confident that, although light in stature, Loci is more than a match for the elements.

THE FINISH IS JUST
THE **BEGINNING**

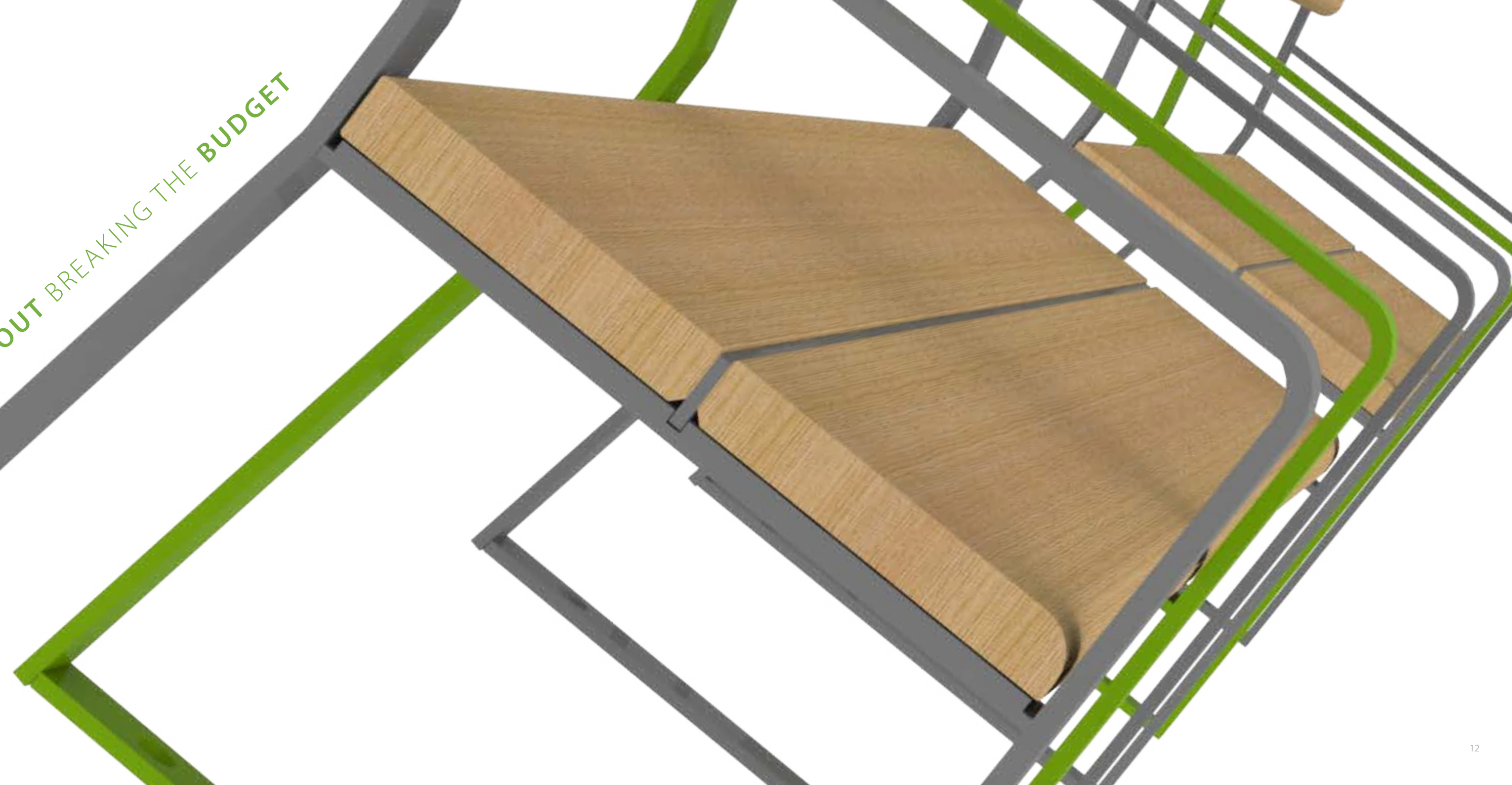
SEATING CONCEPT

Loci seating offers powerful visual impact alongside ergonomic comfort. Designed with a distinctly professional interior style, the seating also offers an immense amount of flexibility in configuration to suit your specific project and desired style.

The versatility of the range ensures it is ideal for all sectors due to its linear design, composed of clean square forms that are inspired by the very archetype of the chair. The shape and design is then fused with bold colours that define its identity in the public realm.

The formal and subtle integration of the component elements within the seats and benches create a perfect balance between the frame, the seat and the backrest.

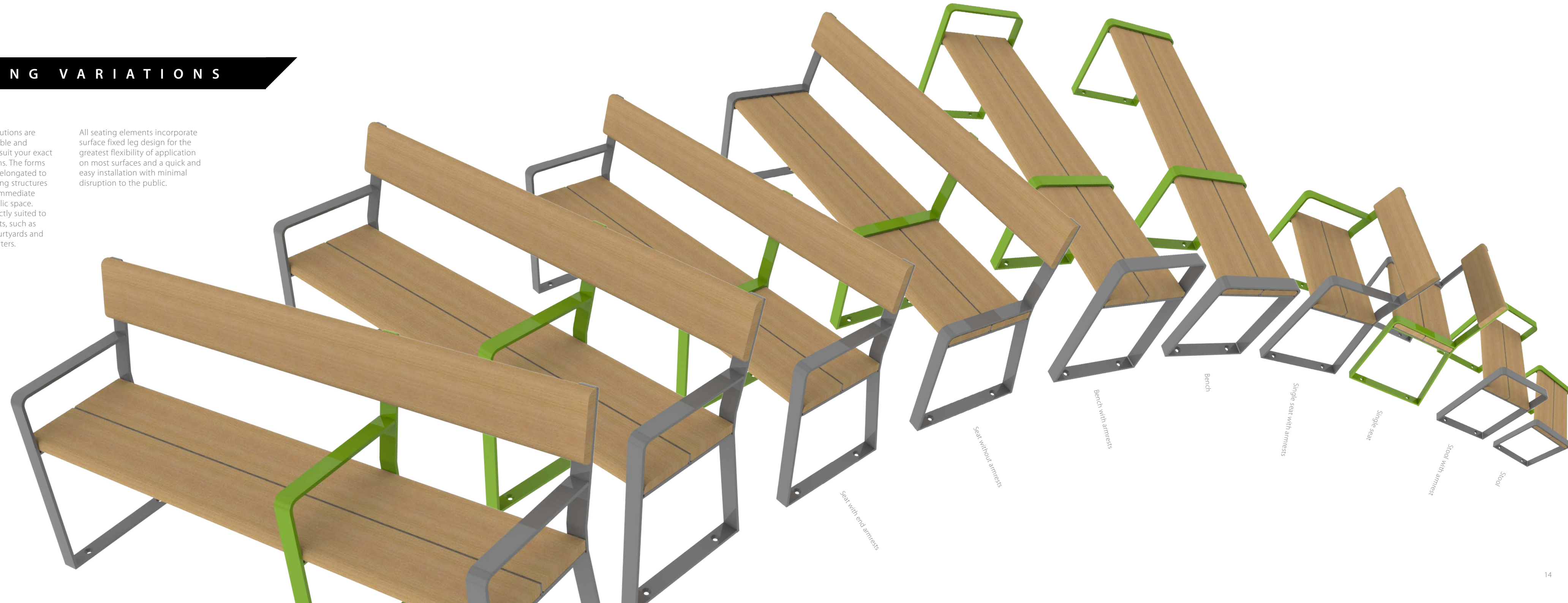
SETTING A DESIGN BENCHMARK, WITHOUT BREAKING THE BUDGET



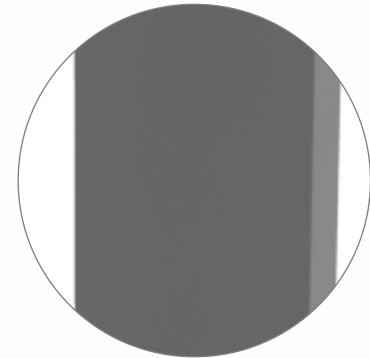
SEATING VARIATIONS

The Loci seating solutions are designed to be flexible and interchangeable to suit your exact project specifications. The forms and profiles can be elongated to combine with existing structures or locations for an immediate rejuvenation of public space. The seating is perfectly suited to human scale projects, such as retail plazas and courtyards and corporate headquarters.

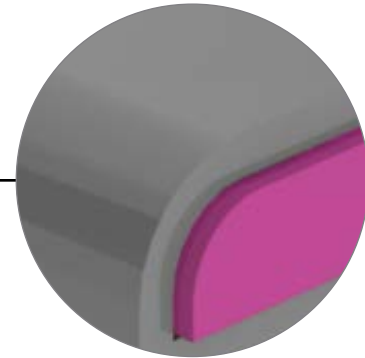
All seating elements incorporate surface fixed leg design for the greatest flexibility of application on most surfaces and a quick and easy installation with minimal disruption to the public.



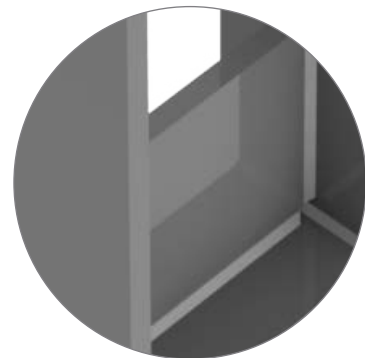
BOLLARDS



Formed in precision fabricated steel, the bollard combines significant structural strength with an elegant profile.



The Loci bollard is a robust and contemporary design that coordinates with the remainder of the range. The form is simple and light yet offers a multitude of customisation options and the considered application of colour can be used creatively to comply with guidance contained within the Equalities Act 2010. The colour or material of the upper inset detail may be changed for demarcation or wayfinding within an area.



The bollards are available in root or flange fixed options, making them suitable for a variety of installation methods.

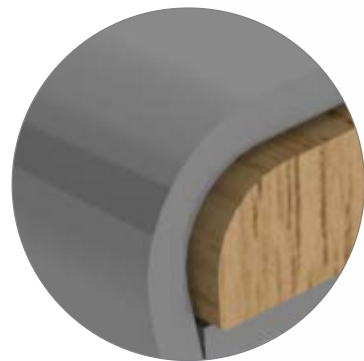
ANOTHER BRIGHT IDEA...

The LED Illuminated bollard offers a large and uniformly backlit area, providing an opportunity for yet more creative content to be inserted. The lit panel can be adapted with graphics to offer further branding or short term applications to celebrate local events.

The illuminated panel will also help to reduce street clutter by providing wayfinding information or orientation guidance along pedestrian or cycle routes. A backlit panel is a particularly valuable aid to people movement at night and offers improved accessibility to the visually impaired.

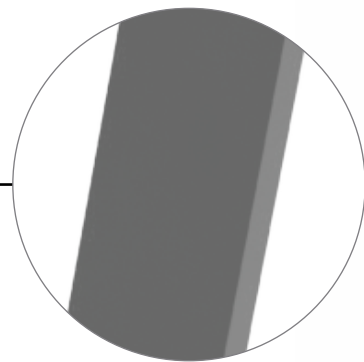
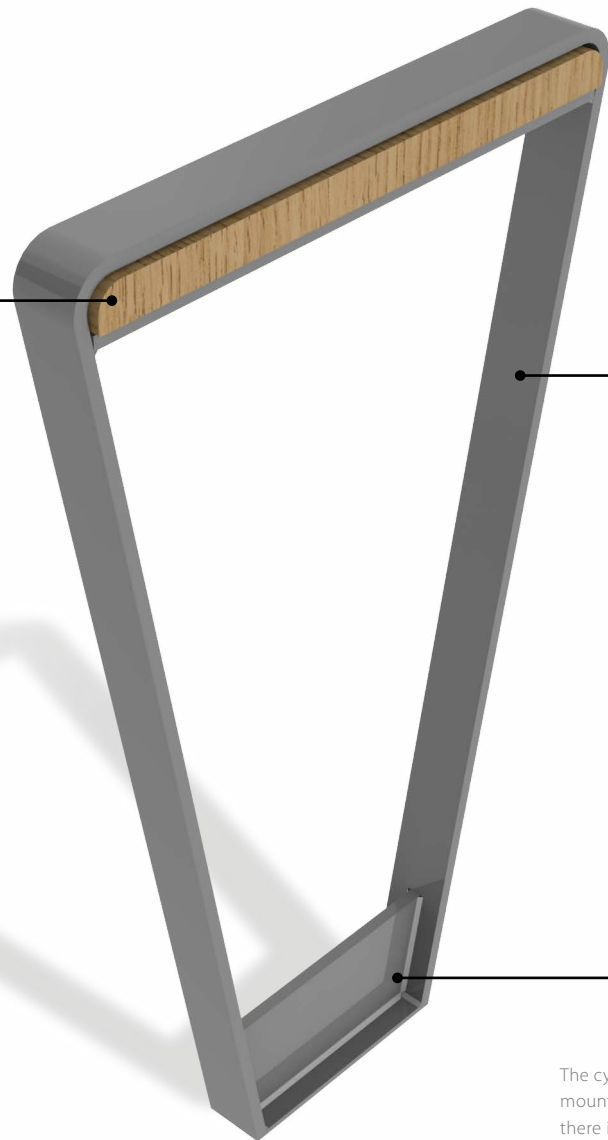


C Y C L E S T A N D S

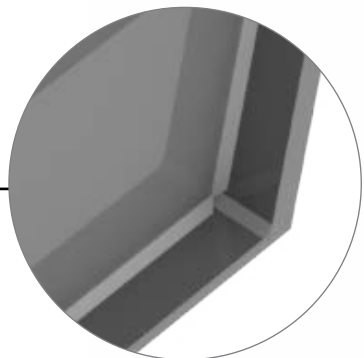


With ever increasing fuel costs and concern for the environment high on the agenda, cycling to work or university has never been more popular.

The Loci cycle stand is fitted with timber inserts as standard to protect cycle frames from damage. These elements also offer the opportunity to add colour to customise and brand your spaces.



The shape of the cycle stand clearly echoes both the form of the seating frame and the dramatic taper of the litter bin for unrivalled consistency across the range.



The cycle stand can be root fixed or flange mounted for solidity in locations where there is a restricted depth of foundation.

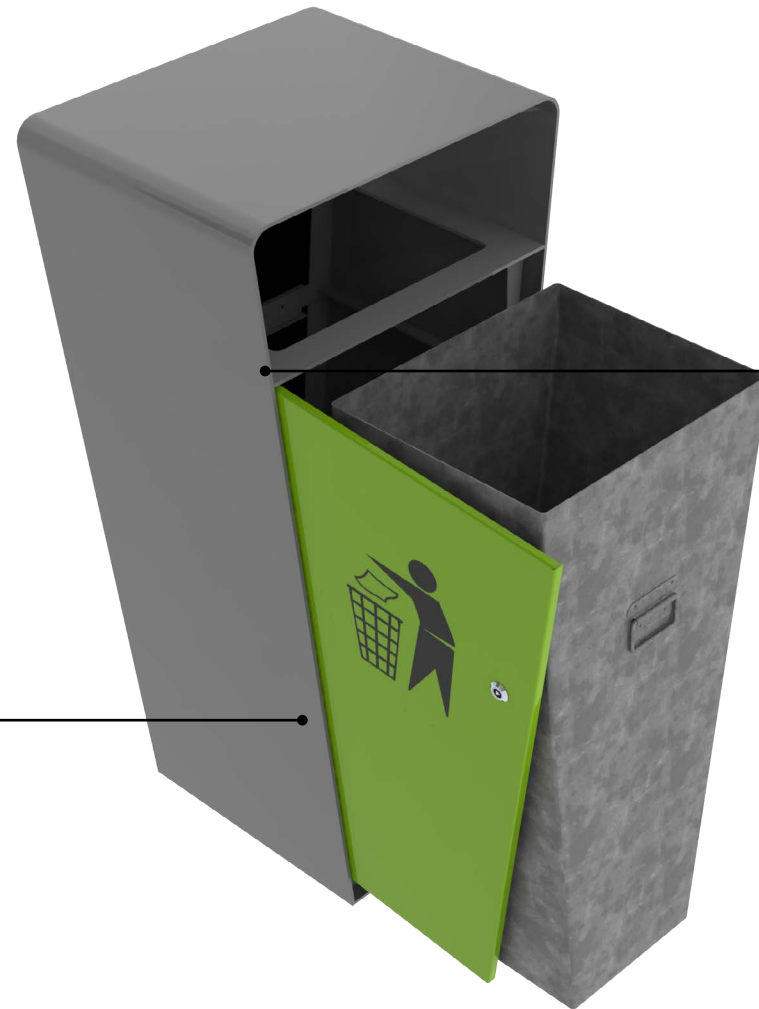
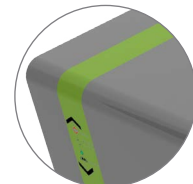


LITTER BINS

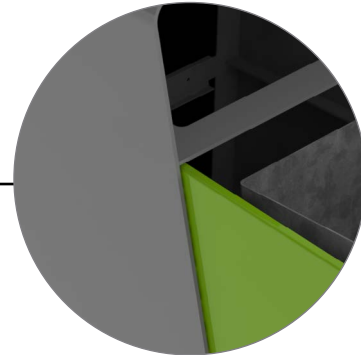
For ultimate flexibility, the litter bin is fully customisable with town or district colours, insignias, and slogans.

It could also be used creatively as a signage information point to reduce street clutter through combining elements of furniture. Further landscape integration can also be achieved by incorporating coloured flooring lines across the profile of the bin which enhances wayfinding.

Low cost, and easily updateable, graphic applications to the door or frame might also be used to publicise upcoming events.



An extremely flexible design, the bin can be modified to suit your exact specifications – perhaps incorporating waste segregation options or supplied with an additional hinged ash & gum lid should the project require it. The Loci litter bin is offered with a standard volume of 80 litres and the materials selected for the composition of the bin are fully recyclable.



The litter bin has been designed to provide the easiest maintenance possible with a rapid, yet sturdy, opening mechanism for the emptying cycle.



SIGNAGE

Directional slats are supplied as a cost effective modular addition that enable quick and easy adaptation in pedestrian landscapes where locations or building purposes may be subject to regular change. These elements are finished in painted or anodised aluminium and then signwritten or engraved with your project's specific information.

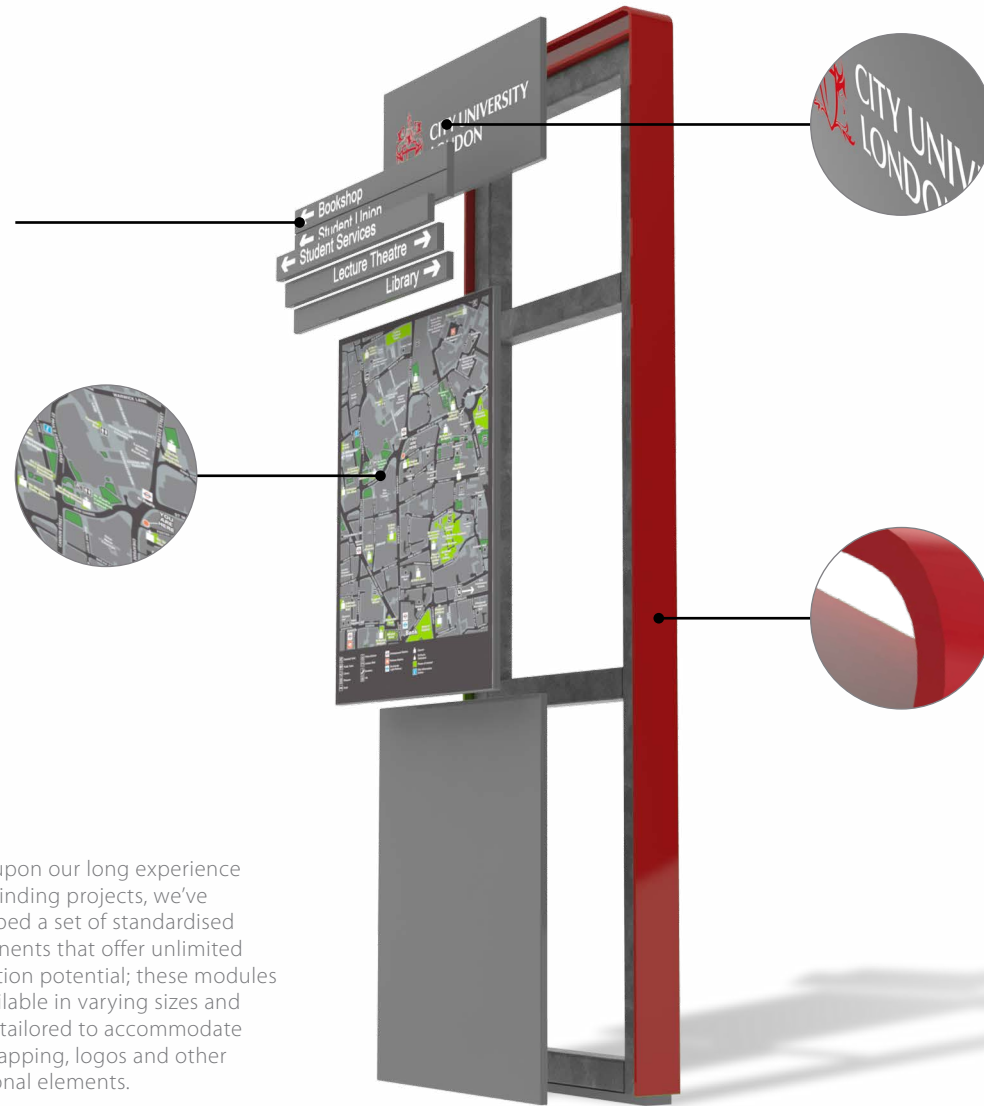
MAP PANEL - Mainly used for interpretive wayfinding and pedestrian orientation, this is the most important element of the monolith, containing the majority of user information.

Vitreous enamel is the most desirable material for this panel as it is highly resilient and supports high resolution images for the most effective communication. Reverse applied vinyl onto toughened glass is more cost effective than VE and also offers the potential for the mapping area to be backlit. Digital signage and advertising options are also available through our bespoke design service.

MOVE PEOPLE

Since every wayfinding information point is bespoke by its very nature, the concept of the Loci monolith originates from a standardised frame. A simple, cost effective and ultimately flexible system, the individual elements are designed to be populated by your creativity and specific project requirements.

Based upon our long experience of wayfinding projects, we've developed a set of standardised components that offer unlimited adaptation potential; these modules are available in varying sizes and can be tailored to accommodate your mapping, logos and other directional elements.



HEADER & FOOTER PANELS – The header is usually specified with directional arrows for key landmarks and may include walking times and/ or distances. The header panel is also often used to give definitive positional information or to provide enhanced client branding. An attractive option is to laser-cut lettering and illuminate to provide improved legibility at night. The footer often contains location specific branding, perhaps in local materials such as stone. This element might be designed to integrate into the paving or built architecture of the area.

SIDE PANEL – Echoing the wrapped ribbon design from other elements in the range, the side panel can be coloured to support branding or identity. Often left without text or graphics, additional text may be included here, for instance the location of the sign itself.



TECHNOLOGICAL BRILLIANCE THROUGH ENLIGHTENED DESIGN

The concept behind Loci lighting is to provide the most efficient, cost-effective, scalable and modular luminaire on the market. With its geometric profile and streamlined linear form, this cutting-edge LED lantern provides a wide area of uniform light on the ground for minimal initial outlay and ongoing operating cost.

The 'ribbon' element that is inherent within the Loci range appears again at the edge of the luminaire and can be customised either for additional impact or to be less obtrusive. The fitting is stylish and lightweight, its low profile form in keeping with a multitude of architectural styles. A highly durable paint finish will minimise maintenance costs and ensure fittings continue to look fresh years after installation.

Due to the original design and Marshalls' philosophy of continual research and improvement, you can be assured that you won't be left behind in the pursuit of operational savings and reduction of CO2 emissions. The Loci LED luminaire is essentially future-proof, based upon an innovative and modular design that allows simple and rapid upgrading of the LED and optics within the same body as technology matures.

We're ready to work with you to develop your lighting design into the most efficient and effective solution, whether retrofitting existing projects or drawing up proposals for new developments



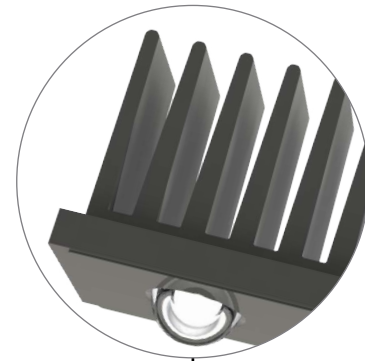
LIGHTING TECHNOLOGY

THE MODULE - Each Loci luminaire is created from a set of standardised horizontally aligned LED modules, directly attached to the body via an integral heatsink. This innovative feature maximises heat dissipation and conductivity whilst minimising maintenance requirements and speed of module replacement.

This original design ensures the luminaire is inherently upgradeable through simple updating of the LED component as technology advances; we can work with you on a continued basis to assess developments and ensure the very best efficiencies and light output are delivered to your projects.

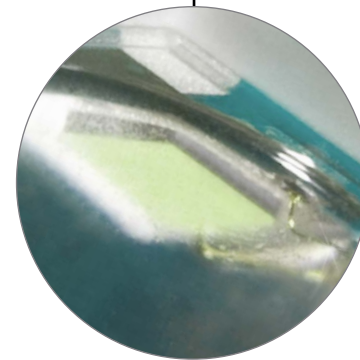
The unique modular system also reduces the initial cost of the luminaire and so ensures that when retrofitting existing sites, you will start to see the cost benefits of our LED revolution immediately.

**EFFICIENT,
UPGRADABLE,
SUSTAINABLE**

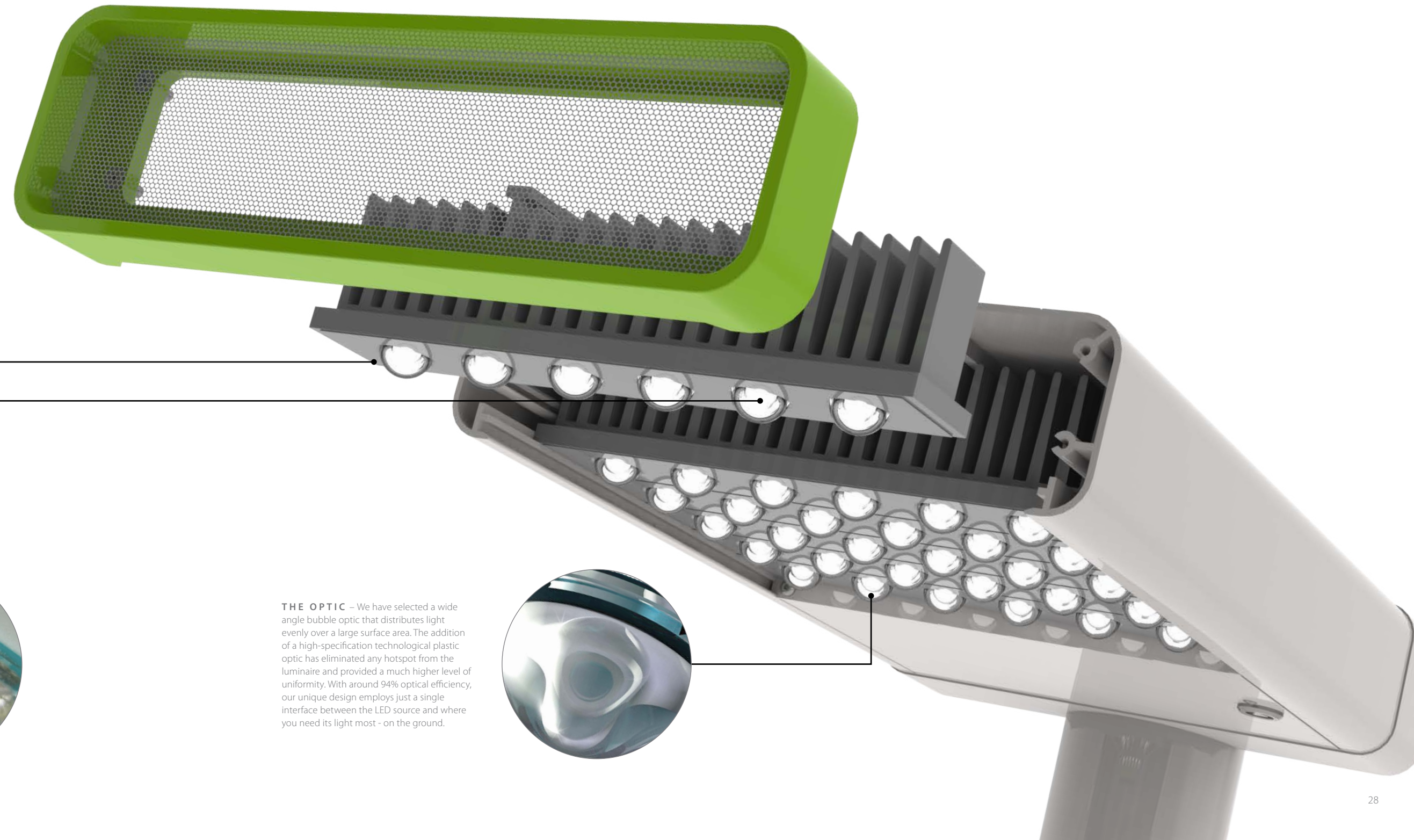
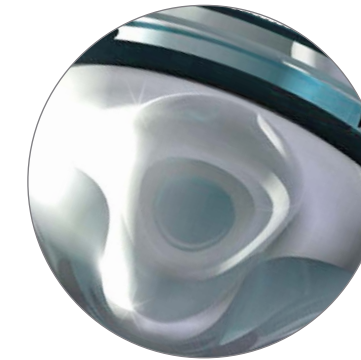


THE LED - Loci lighting incorporates the tried and tested XP-E from CREE to offer 7 different colour temperatures, with various colour rendering indexes up to 90.

The luminaire offers incredible longevity through its LED source and, based on CREE's internal long term reliability testing, the projection is on average 70% lumen maintenance after 50,000 hours (based on a fixed junction temperature). However due to our innovative heatsink design, we're projecting around half of this benchmark temperature which should considerably lengthen the lifetime projection.



THE OPTIC - We have selected a wide angle bubble optic that distributes light evenly over a large surface area. The addition of a high-specification technological plastic optic has eliminated any hotspot from the luminaire and provided a much higher level of uniformity. With around 94% optical efficiency, our unique design employs just a single interface between the LED source and where you need its light most - on the ground.





Marshalls

Creating Better Spaces

Marshalls Mono Ltd,
Landscape House,
Premier Way,
Lowfields Business Park,
Elland,
HX5 9HT

Tel: 0333 000 20 50
www.marshalls.co.uk/streetfurniture