FAZE

FAZE AND THE ENVIRONMENT

Reduce, Reuse, Recycle

Together we can cut back on the amount of wastage generated, extend the use of current materials and find new ways to utilise old resources.

Faze and the Environment

From the manufacturing, to the life of each fitting, we are committed to making sure that Faze luminaires have the lowest environmental impact possible.

At Faze we constantly make sure that not only the highest quality components are used in our luminaires, but also that our research and design behind each and every product is extensive. This ensures that the end result for all our projects are of the highest caliber, that we have the best power efficiency and that our luminaires are responsibly sourced and manufactured.

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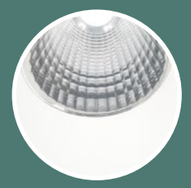
Product Design and Construction

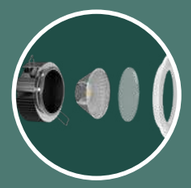
It all begins with the design of our products. Our design process ensures that only the highest quality materials are used, that the luminaire produces the least-amount of heat possible and that it is as power efficient and durable as possible.

Our process involves key check-points, where we can ensure the quality is at its best and that our environmental impact is as little as possible. This includes the design of individual components, that a design is as versatile as possible and that the performance of the luminaire is exceptional.



Deep-set Reflectors

By using deep-set reflectors, the light is emitted precisely and wasted light is kept to a minimum. With such precise lighting, our luminaires produce more light with less power.



Design Smart

We design our new fittings so that where possible, they can use pre-existing components or materials. This means less manufacturing and less carbon emissions are produced during production.

Our Environmental Ambitions

Reduce our Carbon Footprint

We're creating products from more recyclable materials, whilst also reducing the amount of energy that they use. This is done through smart design tactics, responsible sourcing of materials and by using drivers with an efficacy rating of no less than 0.90.

Decrease Greenhouse Gas Emissions

We have taken steps forward in reducing our greenhouse gas emissions. This includes reducing our packaging for more efficient transportation, using completely electric warehouse equipment and making use of motion and daylight sensors to control our showroom and warehouse lighting.

Recycle

All of our materials are correctly recycled, whether it be our aluminium heatsinks which are 100% recyclable or our cardboard packaging. Our packaging has also been improved by working towards eliminating plastics that were previously used within the packages. We continue to research further biodegradable options for our packaging and products.

Reduce Waste

Unnecessary waste contributes greatly to damaging the environment, to improve our position with waste control we have implemented better procedures in the manufacturing process. This includes the use of interchangeable components, re-purposing older fitting parts and devices and increasing the use of recyclable materials.

Sourcing Materials

100% Recyclable Aluminium

By using 100% recyclable aluminium we significantly reduce each product's carbon footprint. Another benefit from this aluminium is its ability to dissipate heat more effectively than common plastic heatsinks. 100% of our downlights use aluminium heatsinks to maximise their heat dissipation.

100% Recyclable Plastics

Fittings that require plastic construction have been made out of PMMA or polycarbonate. These materials have been selected as they are the most durable and long lasting option, as well as being fully recyclable.

Silicone and Polyurethane

Our LED strip collection now includes the Flow and Flow Plus series which are constructed of Silicone and Polyurethane. This construction gives each Flow series a much higher lifetime than common LED strip, giving you longer lasting light and the environment less waste and pollution from production.

Solder Reduction

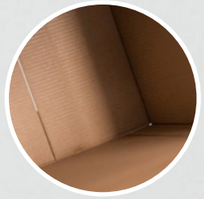
Soldering can lead to serious chronic health effects, not to mention negative environmental consequences. Reducing the use of solder wherever possible is just one of the ways we are lowering our environmental footprint by decreasing our use of harmful materials.

Packaging Production and Reducing Plastics

Our production process is critical in sustaining eco-friendly practices. Previously we stored our fittings within plastic protective packaging, however we are now using bio-degradable and recyclable material, which still protects the products but is much healthier for the environment.

Transportation

Our minimal packaging creates lighter and smaller packages, requiring less fuel consumption during shipment. This means more fittings per shipment and less emissions being produced during transportation.



Cardboard and Recyclable Materials

Our packaging primarily consists of cardboard and paper, ready to go straight into your recycling bin, making sure disposal is easy on site.

Optimal Tooling

Our luminaires are designed to be as versatile as possible. This not only includes the fitting itself, but each of its components. By doing this we significantly reduce un-necessary production and thus reduce our carbon footprint.

Interchangeable Components

Many of our common components can be interchanged within multiple families, an example of this is our Pro and Edge downlights. These downlights are very different in design, however they utilise the same reflectors. This means although we have a wide variety of options, we are still only producing a minimal amount of components and are once again minimising our energy consumption.

Luminaire Series

By reducing tooling and carrying the same design across multiple types of lighting we significantly save on energy consumption. Our Core fitting is a great example of this. The Core fitting's design carries across multiple lighting types, this includes Ceiling, Suspension and Track lighting.

Easy Installation and Dismantling

Our fittings require the bare amount of conventional tools for installation and dismantling. This means less energy consumption and the ability to easily recycle and reuse parts.

Strategic Performance

It is critical that the luminaire performs exceptionally whilst retaining a minimal environmental impact.

Minimal Heat Production

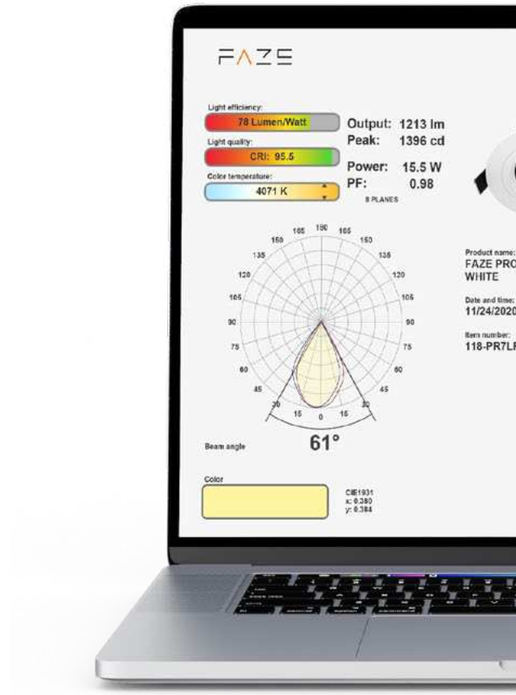
To achieve minimal heat production, we use a combination of the light fixture's body shaping and materials. This includes sourcing quality LEDs, constructing downlights with unique, light weight aluminium heatsinks and deep set drivers within our ceiling luminaires.

Dimmable Lighting

Where we can, we provide dimmable options in our products. Dimming can significantly reduce power consumption and contribute to the lessening of light pollution.

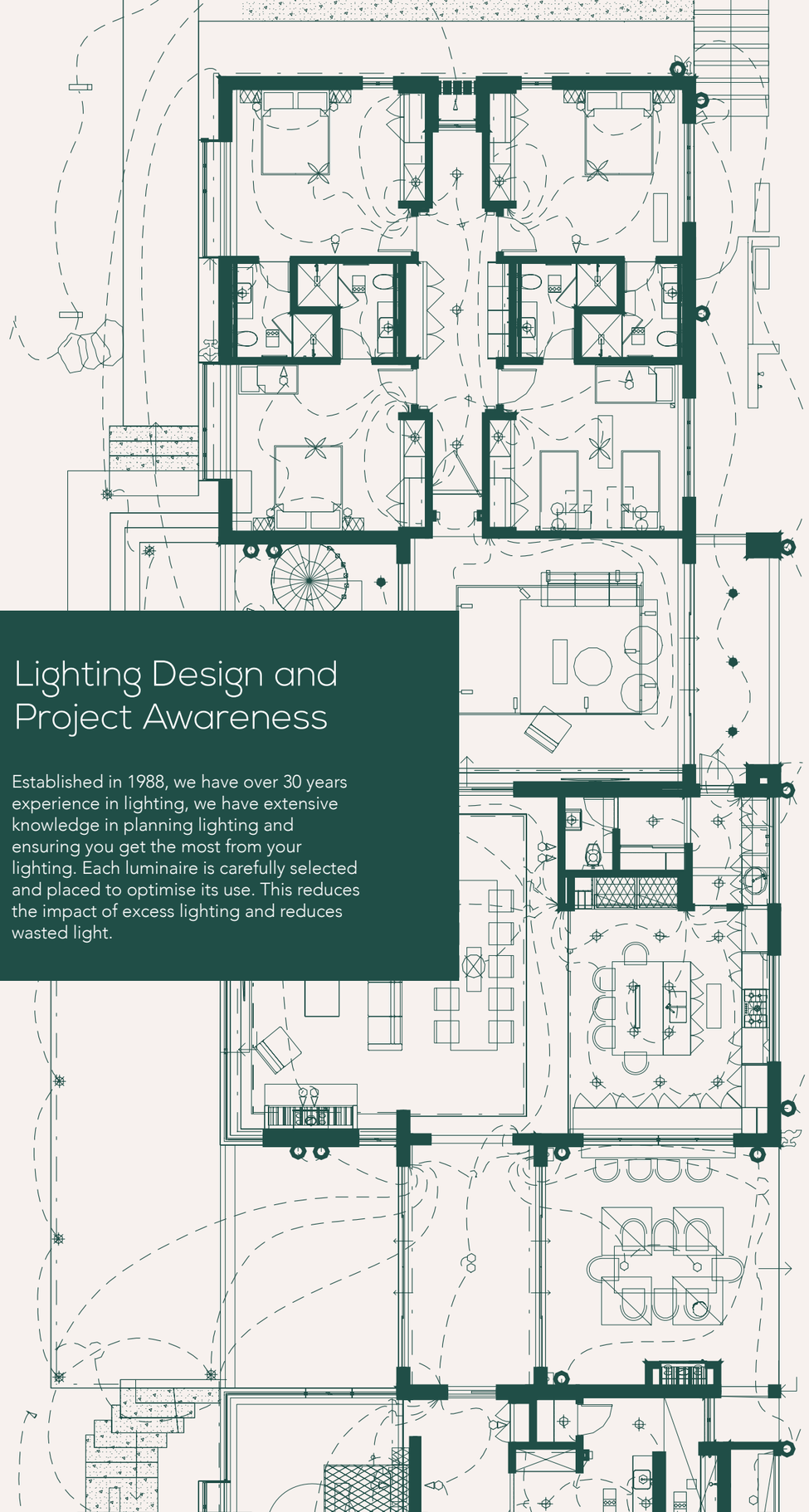
Bluetooth Integration

Saving energy is the most important benefit of installing a Bluetooth integration system. By having this option for many of our luminaires, so many more opportunities are available to save on energy consumption. This includes the ability to control your lighting with the environment itself by using a daylight sensor.



Energy Efficiency and Extensive Lifetimes

Our entire collection utilises LEDs, the latest in lighting technology. LEDs use approximately 80% less energy than halogen globes and significantly help in reducing the emissions produced from lighting. As well as this, LEDs have a lifetime of 50,000+ hours, providing long lasting light, and giving you more light for less power.



Lighting Design and Project Awareness

Established in 1988, we have over 30 years experience in lighting, we have extensive knowledge in planning lighting and ensuring you get the most from your lighting. Each luminaire is carefully selected and placed to optimise its use. This reduces the impact of excess lighting and reduces wasted light.

Office and Warehouse Practices

Whether we're in the office or working in the warehouse, we're conscious of the environment and the impact our actions have on it. We continuously look to the future for more eco-friendly options that we can incorporate within our warehouse and showroom.

Electric Warehouse Equipment

Our completely electric, automated shrink-wrapping machine stretches out plastic by 400%. This is one of the most environmentally friendly ways to wrap pallets and get our lights safely delivered to you without any damage.

We also have fully electric forklifts that produce zero emissions during operation, so there is no need for warehouse ventilation. As our forklifts don't have engines, they eliminate the process of having to dispose of the waste fluids that standard forklifts produce.

Waste Management

At the end of their life cycle, products, materials and packaging are disposed of responsibly, products and packaging are broken down and are recycled where possible. Many components and drivers can be reused or re-purposed.

Eco-Friendly Operations

In the office and warehouse we try to minimise as much waste and paper use as possible. Technology is ever growing and we are constantly looking into using new programs and technology to service our customers and reduce our paper waste. As well as this, the lighting within our showroom and warehouse are connected to motion sensors and day light sensors. This helps reduce power use and minimises the amount of heat produced within the building.

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