


LET'S TALK ABOUT LIGHT...

a guide to
**Responsible
Specification**



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“We’re on a mission to help our customers make informed decisions about responsible lighting specification.”

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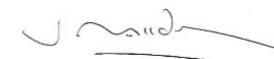
Lighting for a Living

We live and breathe by a philosophy of Lighting for a Living. For us, it crystallises how we think about light, and the impact it has on every aspect of our lives, people, and the planet.

We have operated at the heart of the lighting sector for more than five decades, but our story continues to develop and is gathering pace. We are immensely proud of our legacy and our forward-thinking outlook, particularly when it comes to our holistic approach to lighting design.

It is said that knowledge is power, and we’re on a mission to help our customers make informed decisions about responsible lighting specification.

At Tamlite Lighting, we really recognise and understand the shifting nature of what our customers want in terms of Environmental, Social, and Governance (ESG), the circular economy, and an ethical business, which is why we have prepared our own response to these issues. On each of the following pages we have covered the areas that we are asked about the most in relation to sustainability. Keep reading, and if we haven’t covered an area of interest to you, we would love to receive your feedback.



John Allden
Managing Director, Tamlite Lighting

Lighting for the planet

The built environment is a major contributor to climate change accounting for nearly 40% of global CO2 emissions. Of this, building operations are responsible for 28% of emissions on an annual basis whilst lighting accounts for 5% of global CO2 emissions.

Whilst many will be looking towards innovative low carbon technologies to improve their energy efficiency, eco-credentials and overall wellbeing, there are far simpler, and more cost-effective measures that can be taken. With this in mind, there has never been a better time to take a sustainable approach to lighting specification.

But, the energy and carbon reduction journey is not the only thing we need to consider when we're talking about lighting. As a leading British manufacturer, we think it's vital we explain the wider environmental impacts that can be made through well-informed specification. Which is what this book is all about.

A global switch to LED lighting could save more than 1,400 million tons of CO2 – Climate Group.

Lighting is about more than product parts and numbers. It is about sustainable outcomes.

Driving the Circular Economy

In order to be more sustainable, adoption of circular economy design principles is critical. Designing products with materials geared around longevity can reduce carbon emissions by more than 40%.

Our leading-edge lighting solutions are manufactured with the circular economy at the forefront of their design.

From conception to delivery, by focussing our efforts on developing luminaires that will last long into the future – rather than simply delivering instant energy savings - we're helping to create innovative lighting solutions with a significantly lower environmental impact, without compromising quality.

A circular economy is one that is restorative and regenerative by design – Ellen McArthur Foundation.



In 2021 we dedicated 5400 hours to circular economy product design - an increase of 50% compared to the previous year

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Reduce. Reuse. Recycle. Recover

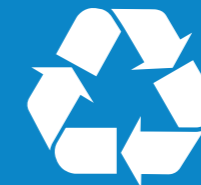
The essence of a circular economy is to reduce the throwaway culture. As we move away from the traditional linear resource consumption model, we're working to:

- Reduce: lowering the amount of waste produced
- Reuse: using materials repeatedly
- Recycle: using materials to make new products
- Recover: recovering energy from waste.

A shift in design thinking is helping us achieve these targets. By making conscious material choices, creating compact design solutions and minimising the amount of material needed, we're able to futureproof luminaires and expand their longevity, maximising value, improving maintenance, and returning materials into the cycle at the end of their lives.



We have reduced consumption of virgin plastics by an impressive 80% - down from 14.5 tonnes in 2020 to 2.7 tonnes



PACKAGING
100% RECYCLABLE
FROM RECYCLED MATERIAL

Did you know...

The weight of electronic and electrical waste discarded in 2021 totalled 57 million tonnes. That's heavier than the Great Wall of China!



Circular by design

Of the many values that make up the circular economy, returning materials back into the production cycle is a key element.

Working closely with our sister company Waste Experts we are focused on achieving the highest standards of waste from electrical and electronic equipment [WEEE] treatment. Luminaires and lamps are brought back into the circular economy as new products, or they are responsibly disposed of to reduce our reliance on landfill. The result? Since 2000, Waste Experts have recycled more than 75 million lamps.

Through the recovery of material, we are creating an urban mine of secondary raw materials which reduces carbon and waste.

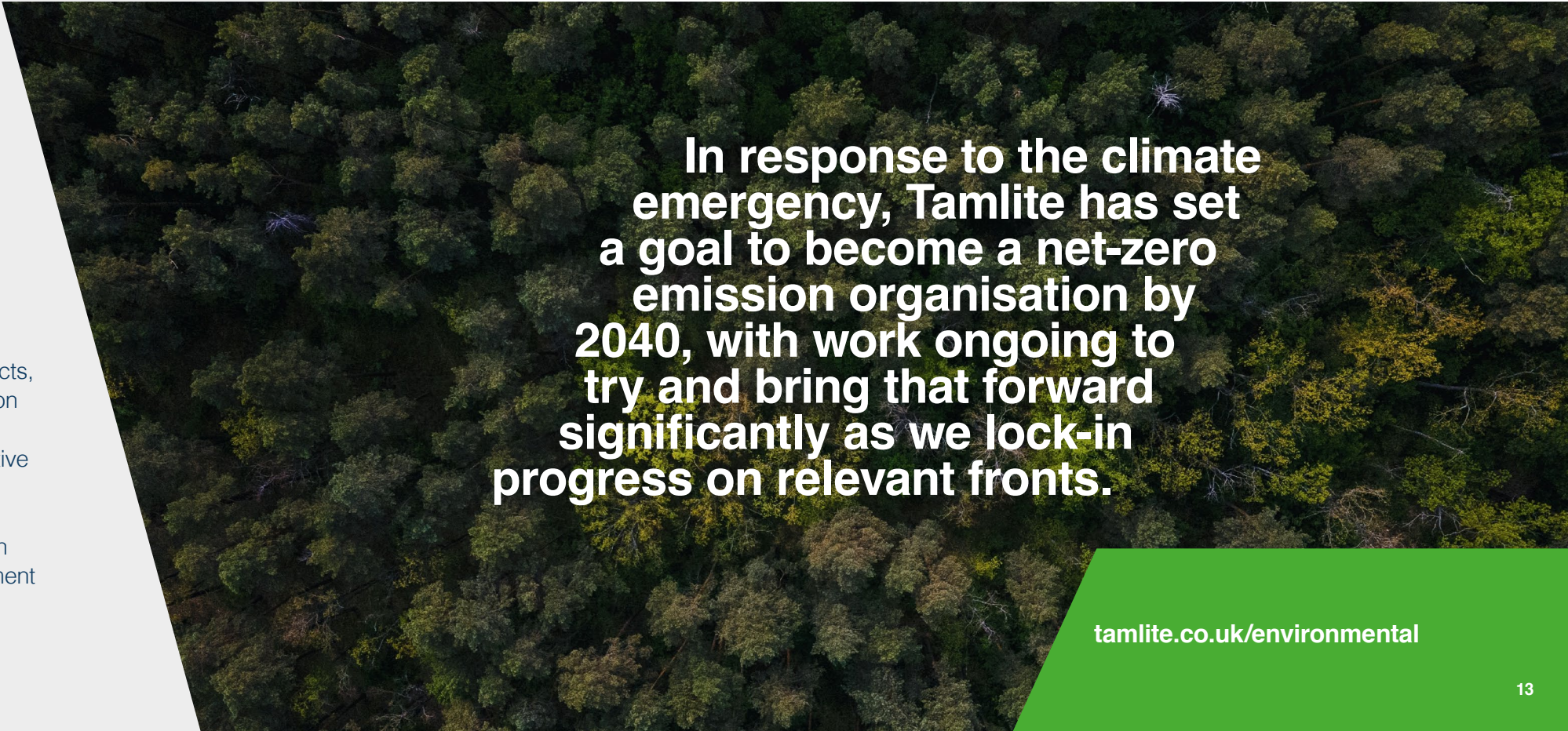
Sustainable manufacturing

Sustainability and social responsibility have become a core part of our company's ethos.

Understanding our social and environmental impacts is fundamental to our commitment to responsible and sustainable growth.


Just as we have made steps towards improving the sustainability of our products, over the last five years we have made real progress in reducing our own carbon footprint, supporting our colleagues through challenging times, fundraising for our chosen charities and partnering with those who can help us create a positive and sustainable social impact.

By auditing and reviewing our procedures we can make real-time decisions on energy consumption, emission reduction targets, water usage and the investment and innovation needed as we continue on our journey towards net-zero.



In response to the climate emergency, TamLite has set a goal to become a net-zero emission organisation by 2040, with work ongoing to try and bring that forward significantly as we lock-in progress on relevant fronts.

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We're proud to be a member of Made in Britain. Local sourcing will allow us to reduce our environmental impact and deliver benefits to the local economy.

Responsible sourcing

Responsible sourcing is a key element of sustainable manufacturing and circular economy design.

It is here, in the supply chain, that collaboration with our suppliers and partners offers the opportunity for us to further minimise our environmental impact. By sourcing raw materials from experienced local suppliers, where possible we can reduce our reliance on imports, minimise our consumption of natural resources and maintain product quality.

We also work hard to scrutinise our suppliers' own sustainability credentials.

Together, this focus on our supply chain reflects our focus on putting the circular economy at the heart of our sustainability agenda.

Blue is the new green

Plastic is one of the areas we get asked about the most. And, it's no surprise. We are witnessing an enormous global shift in attitudes in protecting natural resources. We only have one planet, and it has become increasingly important that we take charge and do what we can to reduce our own waste.

Our aim is to ultimately 'design out' non-essential plastic and other non-recyclable materials from our products and packaging. By investing in alternative, sustainable materials - such as 100% recycled cardboard packaging, and shredding cardboard for re-use in place of plastic packing - we're significantly reducing our reliance on plastic and landfill.

Meeting the wellbeing agenda

The quality of light around us has a profound effect on our wellbeing that should not be underestimated.

Being sustainable isn't just about reducing our impact on the environment. It is important for everybody to consider their social, economic, and cultural impact too.

The wellbeing agenda is growing, and to act on wellness **it's important to specify lighting that delivers**. It's an area in which we've worked hard to educate the market. In fact, we were well ahead of the curve in the 'lighting for wellbeing arena'. It's something we're passionate about.

Those who invest in the latest technology can be buoyed by the realisation that they are **creating healthier, more productive environments**.

As the International WELL Building Institute says, the "explosion of tuneable LED lighting systems on the market in the last five years has made it easier than ever" to achieve these requirements.



It's a view we share too.

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Setting the standard

Every part of our business is underpinned with a culture of quality, unparalleled service, and value, and we remain committed to these pillars. They provide the foundations on which we continue to innovate and push the boundaries of lighting technology and development.

Our aim is to deliver excellence at every level, and our accreditations act as a mark of confidence and identify TamLite as a company that customers can trust.



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Experience Tamlite for yourself

When it comes to sustainability, we invest in and value every link in the chain.

By offering everything, and more, that you would expect from one of the UK's largest and most respected lighting manufacturers we can help you create sustainable lighting designs that are good for the planet, and people.

Lighting for a living are words that we live by at Tamlite. Get in touch to see how we can put these words into action for you.



It's time to start a conversation

Lighting for a Living

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