The cover features a background of overlapping diamond shapes in various shades of blue and white, each filled with a fine grid pattern. A solid dark blue triangle is positioned in the bottom right corner. Two thin green lines are present: one in the top left and one in the bottom right, both pointing towards the center.

TerraLux™

LED GUIDE

www.terralux.co.uk



USE LED

save up to
£100 per year
in **each room**
of your house

*At the current average UK electricity rate of 15p kWh and the commonly used 60w light bulb, we can calculate the savings if the closest LED match was used instead. (*savings vary depending on electricity supplier*)

In this booklet we will touch upon some of the important aspects of lighting and LED's.

We want you to save money on your bills and help preserve the environment.

Useful Information

What is a Watt?

A lightbulb's power consumption is called the wattage. If you have 4x 60-watt halogen spotlight bulbs in your kitchen, you will be using 240 watts of power. Replace them with LED lights at 4 watts each and you will be using 16 watts of power, resulting in huge energy savings!

What is a Lumen?

A Lumen is the unit used to describe the lightbulb's brightness. As bulbs become more energy efficient, the need to buy them based on wattage alone no longer applies. The brightness is now a key factor in the decision, however there's more to it than just a Lumen value comparison. The superior light quality given off by LEDs and longer lifespan must also be taken into account.



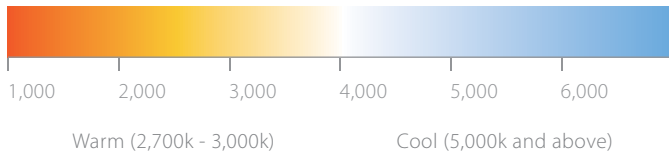
What does Voltage mean?

The voltage is the required input power to operate the lightbulb. The standard for the UK is 240 volts. This means you can install any of our 240v rated bulbs without changing any of the electrics.



What does colour temperature mean?

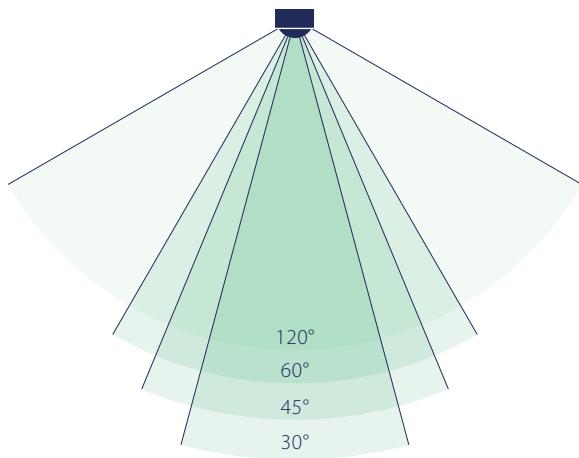
Colour temperature in terms of lighting refers to how 'warm' or 'cool' the illumination appears. 'Warm' colours are often used to promote a relaxing feel, whereas 'cool' colours are more honest and are usually good for bathrooms and workplaces. The temperature is measured in Kelvin (k). The higher the value, the cooler the light appears.





What does the beam angle mean?

The beam angle of a lamp is the angle at which light is emitted. As the angle increases, the light softens. As the angle narrows, the light focuses.



Direct Replacement



Zero hassle from old to new, all you need to do is replace the bulb!

Terralux LEDs are manufactured to be direct replacements for your existing bulbs.



Common bulb replacements:
GU10 / MR16 / MR11 / G4 / G9
B22 (Bayonet Fitting)
E27 (Edison Screw Fitting)
E14 (Small Edison Screw Fitting)

Wondering why your dimmer switch isn't working with your LED lights? This may be due to a couple of reasons. Your bulbs may not be dimmable, not all LEDs are dimmable. Also, make sure you have an LED-compatible dimmer switch. Standard dimmer switches do not work with LED bulbs.

View our range

Find solutions to all your lighting needs by visiting Terralux.co.uk

LED Spotlights



Flood Lights



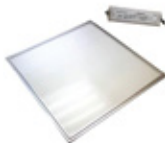
Strip Lights



Light Bulbs



Drivers &
Accessories



Panel Lights



Ceiling Lights



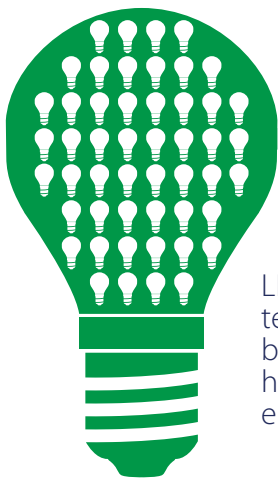
Tube Lights

If you are interested in purchasing our LED products for **domestic purposes** or simply in **smaller quantities**, please go to our official online retailer LED-ZONE.co.uk

Did you know?

LEDs can have a lifespan of up to 50,000 hours

That's 50x Longer than standard bulbs!



An LED bulb converts 80% of its electricity into light energy. These huge power savings lead to massive reductions in your electricity bills.

LEDs work at a much lower temperature than standard bulbs. They give off very little heat, which makes them highly energy efficient.

Start saving now!



PROTECT OUR WORLD

Lighting is currently a **major contributor** to global warming emissions. **LEDs will eliminate this problem** if they reach their full potential.

- Zero IR or UV emissions
- LEDs do not contain any dangerous chemicals
- Directional lighting means less light pollution and a beautiful star-lit sky.



LEDs are the best alternative to traditional light sources.

Our Promise

We at TerraLux Ltd along with our electrical specialists aim to provide **expert advice** and **top quality products to all of our customers.**

We specialise in LED lighting systems and we aim to **reduce your energy bills** whilst **making our planet a greener one** at the same.

We only use the **best component parts** in all of our products and work with factories that are **all RoHS and CE approved.**

TerraLux™

Did you know?



You can reduce your Carbon Footprint by over 5 tonnes if you switch to LED.

Result based on a comparison of halogen GU10 and MR16 spotlight bulbs and their LED equivalent, using 24 bulbs (the average UK household amount) on a 50,000 hour lifespan.

(source: ofgem.gov.uk)

Yearly amount of CO₂ produced per household

Halogen:	4.825 tonnes
LED:	0.482 tonnes

CRC / Funding / Tax breaks

Businesses are looking to combat rising electricity prices, reduce their carbon footprint and maintenance costs. Now is the time to invest in energy efficiency.

The CRC Energy Efficiency Scheme is forcing businesses to make changes, and LED lighting is the obvious choice. It's the quickest way to make drastic savings and reduce CO₂ emissions.

There are incentives to make the switch such as the Carbon Trust and Salix Finance. Also there are Tax allowances through the ECA Scheme, which is a win-win for everyone.

CRC Energy Efficiency Scheme

This is a mandatory scheme aimed at cutting emissions and improving energy efficiency nationwide.

Now is the time to advertise your brand as energy aware and energy saving. The higher you climb up the CRC League Table, the more known your business will be for being 'green'.

Loans from the Carbon Trust



This scheme is available to all kinds of organisations, sole traders and SME's to corporates, local authorities and other public sector organisations.

Financing is arranged from £1,000 with no upper limit and availability is subject to status, with repayment periods from 1-7 years.

Salix Finance Funding



Salix is a scheme that provides interest-free funding to organisations in the Public Sector, to promote investment into energy efficient technologies.

It aids in improving the energy efficiency in their buildings, lowering their energy bills, achieving their CRC targets and improving their eco-credentials.

ECA Scheme

Eco-friendly and Tax Deductible, The Enhanced Capital Allowance (ECA) Scheme is designed to encourage businesses to invest in energy-saving equipment.

As part of the Climate Change Levy Programme, it will support the UK to reach its Kyoto target of reducing carbon emissions by 20%.

Our products classify under the Energy Saving Equipment part of the Scheme, so your business could claim enhanced tax incentives or relief. Regardless of your size, sector or location, if you pay UK corporation or income tax, you can claim this relief. It provides 100% first-year capital allowances.

The more you spend on Terralux products, the more you save on tax!

Info

Address

Terralux Ltd.
37 Auckland Road
Upper Norwood
London
SE19 2DR

Brand site -

Official online retailer -

Twitter -

Facebook -

Web & Social

www.TerraLux.co.uk

www.Led-zone.co.uk

twitter.com/terraluxltd

facebook.com/terraluxltd

info@terralux.co.uk

+44(0)871 662 7294



TerraLux™

The image features the brand name 'TerraLux' in a dark blue, sans-serif font. The 'x' is replaced by a blue diamond shape with a white outline. A small 'TM' trademark symbol is positioned to the upper right of the diamond. The background consists of a light blue grid pattern overlaid with a large, semi-transparent diamond shape. Two thin green lines are present: one in the top-left corner pointing towards the center, and another in the bottom-right corner pointing away from the center.