

project : LUMINAIR ECO-FRIENDLY & SUSTAINABLE PRODUCT RANGE.

ECO-FRIENDLY & SUSTAINABLE LIGHTING :

The term 'eco-friendly' is seen and heard everywhere today, and for good reason too, but maybe too many products and companies don't follow the latest trends and technologies and claim the eco-badge. Are they offering all they could to help protect the environment? Ever bought your organic veg and ended up throwing away unnecessary packaging? At LUMINAIR we take an holistic view of the term 'eco-friendly'. This ensures our products are designed not only to make use of the most energy efficient and environmentally conscious light sources available, but that all other materials & processes used in the construction will utilise recycled, sustainable materials and be eco-friendly where possible. We also apply environmentally friendly principles to every aspect our business. Literature is printed on FSC accredited stock using vegetable inks & no solvents. Our office utilises natural light and heat with the little electricity we use supplied by green energy providers, and our suppliers and sub-contract manufacturers are chosen only if they also follow strong environmental policies.



LUMINAIR ECO DROP 36. LED BASED SUSTAINABLE WALNUT PENDANT LAMP.

LUMINAIR LED LIGHTING RANGE :

The era of cheap & mass produced 'throw-away' products shipped in from half way across the planet has to go; otherwise we don't have a future. Product design has to go local, make use of sustainable and recycled materials from local manufacturers, keeping product miles to a minimum and make use of the latest energy saving technologies. LUMINAIR is at the pinnacle of this ethos showcasing its ECO & LUMIN lighting product range.

The ECO light units make use of sustainable hardwood sourced from sustainably managed forests and turned by local wood-turners, combined with an ultra-bright & ultra efficient LED light cluster. The LUMIN range offers a versatile and robust light unit that is built to last. It can be combined with the recycled plastic shade, made from recycled plastic bottles collected from various municipal authority collection schemes around the UK.



LUMINAIR LUMIN UFO 36 WITH RECYCLED PLASTIC SHADE



RECYCLE :

Where possible the materials we use can be recycled or are sustainable. Buying recycled products helps 'close the loop', creating a demand for the materials recovered by recycling collection schemes. For recycling to work, there needs to be markets for the products made with recycled materials. Buying recycled helps keep reusable material in the economy, reduces waste needing to be landfilled and conserves resources, particularly energy.

www.recyclenow.com



WOOD FOR GOOD :

The LUMINAIR ECO range is a group of lighting fixtures designed to make use of energy efficient LED lighting technology and environmentally-friendly and sustainable materials. We use wood only from sustainably managed forests which means the more wood we use, the more the forests grow as more trees are replanted than harvested. Good news in the fight against Global Warming, as the more forests grow, the more carbon dioxide is sucked out of the atmosphere and more oxygen is produced. Using wood in place of less environmentally friendly materials ensures the carbon sink effect of forests is put to good use, rather than being lost through natural death and decay. Combined with energy efficient LED light units the LUMINAIR ECO range of products will help save you money as well as the environment.

USING WOOD TO REDUCE CLIMATE CHANGE.

- * Wood is uniquely renewable.
- * Wood products act as a carbon sink throughout their life.
- * The best way to use forests as carbon sinks is to harvest the timber and convert it into products (which continue to store the carbon) while replanting more trees than before.
- * Growing trees absorb CO2 from the atmosphere at a rate of 1 tonne for every m3 of growth while releasing the oxygen we breathe.
- * Due to sustainable forestry, Europe's forests are growing rapidly. Generating a sustainable healthy yield while maintaining biological diversity and replacing harvested stocks.

www.woodforgood.com



ENERGY EFFICIENT LIGHTING :

Perhaps the most neglected area requiring power conservation in the home is lighting; specifically the incandescent bulb, which is one of the worst power consumers in the home. Approximately 25% of power generated annually is used for illumination. The LED can reduce this need significantly. LUMINAIR's range of lighting products all make use of LEDs, a much more effective and energy efficient source of light than the incandescent bulb :

ENERGY EFFICIENCY - The LED is at least 4 times more energy efficient than an incandescent light bulb which converts 90% of the electrical energy into heat rather than light.

DURABILITY - The LED is extremely shock resistant, unlike the fragile filament of an incandescent bulb, giving a long lasting product that can withstand the rigors of time and use.

LONG LIFETIME - The LED typically provides 100,000 hours of continuous use.

ECO-FRIENDLY - LEDs contain no mercury.

www.ledsmagazine.com

LIGHTBULB USAGE COST COMPARISON :



INCANDESCENT LIGHTBULB.

Lifespan : 1,500hrs.

Power consumption : 60W

Average bulb cost : £0.75

Usage cost over 100,000hrs : $£691.26 + £50 = £741.26$
energy used (6000KWh) + bulb replacement (66 off)

Electricity cost = 11.521 pence per KWH



CFL (COMPACT FLOURESCENT LIGHTBULB).

Lifespan : 10,000hrs.

Power consumption : 14W

Average bulb cost : £4.00

Usage cost over 100,000hrs : $£161.30 + £40 = £201.30$
energy used (1400KWh) + bulb replacement (10 off)



LED (LIGHT EMMITING DIODE).

Lifespan : 100,000hrs.

Power consumption : 6W

Average bulb cost : £90

Usage cost over 100,000hrs : $£69.13 + £90 = £159.13$
energy used (600KWh) + bulb replacement (1 off)

