

Why is ksi® so eco-friendly and sustainable?



Dear Madame,
Dear Sir,

In order to better inform you about the real eco friendliness of ksi® table lamps, please let me give you more detailed ksi® green product information.

ksi® tailor-made solutions

To answer the need for more „green“, sustainable, products, we offer new exclusive wood combinations (FSC certification), mineral materials, glass and all kinds of different „green“ finishings. Sustainability and eco friendly should always go together; even plastic manufacturers can claim sustainability but not eco friendly!

ksi® is a sustainable green brand

The materials ksi® is using assures the customer a long life and a high degree of „greenness“ sustainability. There is a strong going demand of ecological and sustainable build products. Furthermore it is important that goods are not only recyclable but also solid manufactured to assure a long lifetime!

On the next pages you will find detailed information about every ksi® product we are building into our lamps. This assures you that ksi® lamps are no luxury but a sign of a responsible way of working, which helps to give the next generation a chance to enjoy life like we do now!

„Green“ for us also means that we are not dealing with suppliers who are not respecting our world and its limited resources.

„Green“ means for us that we do not work with companies who employ children.

„Green“ means for us that we produce honest products, which do have their price but, which are really green and we are open to any testing or comparing our product to any alternative.

„Green“ means for us a continuous development to improve our product and service to give our next generation as much fun as we do have now!

Help us to develop the ultimate green ksi® table lamp!

Sincerely yours,
The ksi® Management team

Hans E. Kolk
Managing Director

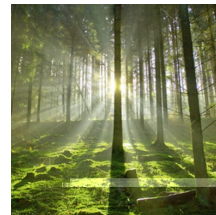
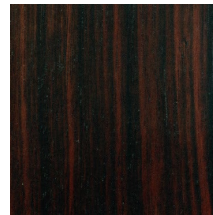
Lamp body materials

Sustainability and responsibility for the next generation has a big influence on the background of a product especially when it is displayed in front of the guests: „Who has produced the product, where does it come from?“ All very sustainable questions!

ksi[®] uses materials from manufacturers who have proved to be innovative, having high quality standards and manufacture in an environmentally responsible way. Also very important is that our products and coatings should be free from harmful substances. Really ecological a product can only become when it can be used for a very long time and only when it is build out of eco-friendly materials it will also become green! All lamps are manufactured by hand in the most ecological way, in Germany where we have very high standards concerning sustainability.

ksi[®]-Plexxstone: Mostly made of the original solid surface material Corian[®] by Dupont, continues to evolve in new and exciting applications where sustainable design and durable building solutions are critical. Every day, consumers, builders, architects and designers increasingly choose to “build green.” Corian[®] is available to them as an environmentally friendly choice. Corian[®] consists of approximately 1/3 high quality acrylic ingredients and 2/3 natural minerals. Once the ingredients of Corian[®] are fully reacted (polymerized) in the manufacturing process, they become a chemically stable material with minimal impact on indoor air quality, making Corian[®] an ideal surface for use in the restaurant business.

The hygiene performance of Corian[®] has been certified by results of tests done by independent German organization LGA QualiTest GmbH. Corian[®] lasts a long time. It is heat and stain-resistant. It resists chips, cracks and stands up to high-traffic areas. Corian[®] provides a seamless look and feel, that is easy to clean.



Wood: All trees pull CO₂ from the atmosphere as they grow. The oxygen is released back into the air and the carbon becomes the basis of the tree's growth. This means that wood is largely made of greenhouse gas extracted from the air.

In that respect, long-lasting wooden products can be super-green. But if getting the wood involves clear-cutting tropical forests and not replacing them, then the overall impact can be negative and huge. CO₂ that was previously locked up in soils and foliage is released into the atmosphere, and the total area of carbon-absorbing forest is reduced.

The most reliable way to choose environmentally friendly timber and wooden products is to look out for the Forest Stewardship Council (FSC) logo. The FSC is a charity which certifies wood, paper and other tree products that have come from sustainability managed forests. There are various other timber certification schemes out there, including PEFC, CSA and SFI.

Another green option is reclaimed (used) wood – there is plenty around, in forms ranging from floorboards to furniture. It's often just as expensive as new wood, but it can also be more attractive. Making choices like these will ensure the wood products you buy prevent environmental harm and contribute to a healthy and sustainable future.

Silver, gold and nickel plated brass or aluminium:

To ensure a heavy duty long lifetime our solid brass or solid aluminium bodies have to be sealed with a perfect coating, fitting to the table top setting. We have the coatings done by partner companies only in Germany so a perfect and „green clean“ total recycling manufacturing is secured. Last but not least all glues and filling components have gone through the toughest environmental test in Germany or the US.

Battery operated LED lamps

The battery operated ksi® lamps are made upon the philosophy to give the customer a long life sustainable green product with as little as possible operating costs. Precious materials are used because these fit in to a high end product philosophy and only these products can guarantee the real green sustainability. Most of the time products which ksi® uses were not used for table lamps before, so there is a lot of research needed, to make these products as good as they are now and this secures you to get a long lasting green sustainable table lamp.

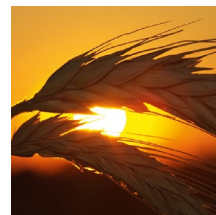
Inner life of the ksi® LED lamps

Battery Type: NiMH in the association of this high-energy electrode with high-energy hybrid alloys for the negative electrode, discovered by Philips in the 1970s, led to the new environmentally-friendly (NO CADMIUM) high-energy NiMH cell. It is the most sophisticated battery type. **Advantage for you and nature: Long lifetime. No battery littering for approx. 15 years.**

PC Board: The printed circuit board is assembled with high tech electronic which assures a real long lifetime.

Advantage: Clean green production, low energy usage.

LED: The operational life of current LED lamps is about 100,000 hours. This is 11 years of continuous operation, or 22 years of 50% operation. The long operational life of a LED lamp is a stark contrast to the average life of an incandescent bulb. If the lighting device needs to be embedded into a very inaccessible place, using LEDs virtually eliminates the need for routine bulb replacement. The key strength of LED lighting is reduced power consumption. When designed properly, an LED circuit will approach 80% efficiency, which means 80% of the electrical energy is converted to light energy. LEDs are highly rugged. They feature no filament that can be damaged due to shock and vibrations. **Advantage: Enormous long lifetime. Low energy usage.**



ksi® 10 port charger is your ultimate energy saver:

- > 10 pieces of ksi® smart charger build in one box
- > Automatic detection of battery voltage
- > Short circuit protection
- > Reverse polarity protection
- > Delta V Protection
- > Led lights to indicate charging mode
- > LED green for charging/LED off for fully charged
- > Automatic Shut-Off for each single lamp when the packs are fully charged (energy saving)
- > TÜV approved
- > Charging only 90 min.
- > On/Off switch on the charger, man does not need to pull the plug
- > Only one charger box for 10-30 lamps
- > Plug and play

The high-end ksi® 10 port charger is one of the most important features for a extreme long life of the battery pack.

It is a plug and play system, which everybody can handle without spoiling energy. The ksi® 10 Port Charger and the ksi® LED lamps are 100% compatible all electronics are made to fit together, so you can not use any other charger. **Advantage: Saving a lot of energy.**

An on-off switch is very practical so you do not have to take out the plug (down on the floor under the cupboard, which nobody does), when not charging. All 10 ports are switched off and you save energy again. (normally plugged in chargers do use a lot of energy even when they are not charging). The box of the ksi charger is made of wood, and lacquered with environmental friendly lacquers. Sustainable eco friendly green charger.

Fuel cartridges & packaging

The ksi[®] fuel cartridges: ksi[®] offers for its high end collection of table lamps also the possibility of having a real flame on the table. For a lot of people it is still very romantic to have a real flickering flame on a high-end table top setting. Normal wax candles (even the most expensive ones) are causing a lot of soot and pollute the restaurant air. Due to Swiss reports using colourful candles can even be cancer causing!

For that reason a long time ago American companies have invented the alternative to the candle: fluid wax or paraffin packed in a bottle with a burner system and a wick.

This was an improvement opposite the ordinary candle but still they are using paraffin, which does cause a not so very much accepted smell. Now ksi[®] offers the ultimate green Hydro Carbon oil cartridges.

- > HDPE₂ bottles which are recyclable and biodegradable
- > Hydro carbon oil for odourless burning
- > Pre set wick so no soot and no detainable exhausting of particles
- > Long burning time (40 hrs.) for less littering

Clean air is also secured in your restaurant, using the original green ksi[®] cartridges.



Packaging: Our policy on packaging waste is, in order of preference: to minimize use, reuse if possible, recycle where practical.

- > Lamps are packed in boxes of 12
- > Cartridges are packed in boxes of 15-24 bottles

Boxes are made of recyclable carton and can be re-used or be recycled.