

## MANDARIN STONE

**Customer:** Mandarin Stone

**Project:** To reduce electricity usage from Halogen Spots while maintaining light levels.

### Organisation Background

Mandarin Stone are one of the largest importers and stockists of natural stone tiles in the UK. At the time of the project Mandarin Stone had 7 stores across Wales and the South West. Their impressive showrooms allow customers to identify the look and feel they want to achieve in their own homes.

### Lamp Stock Replaced

50w MR16 replaced with LED 3XCREE MR16 4w 3000k  
50w GU10 replaced with LED 3XCREE GU10 4w 3000k

### The Project

After surveying all 7 stores, Ideal Lights identified that 1094 halogen spots were costing the Mandarin Stone £28,000 per year, and producing 93 tonnes of carbon. By replacing every halogen lamp with their 3XCREE LED lamp, Mandarin Stone were able to reduce the cost of all lighting to £2,234 per year with a reduction in carbon to 7.5 tonnes! Light levels remained the same but a significant reduction in the heat produced by the LED lamps has delivered a vastly improved retail experience for Mandarin's clients.

Direct energy savings were not the only benefits. A 3 year warranty period and a 50,000 hour average life time means that lamp replacement and maintenance costs are also reduced, delivering additional savings of £1,662 per year. Overall, a staggering 92% saving on total lighting costs was made by the project.

Ideal's 3XCREE LED lamps are retrofit, meaning that no costly rewiring or complicated installation was needed in order to take advantage of the cost benefits of moving to LED technology. The project was completed in 2 months and had a Return on Investment of 11 months. With energy prices rising "year on year" the LED's will deliver increased financial benefits over the coming years.

"We looked at several LED products, but until we met Ideal Lights we hadn't found one which worked for us-we are very happy with the end result. We are already realising the projected savings in our electricity bills and this will only increase as electricity prices rise. Reducing our electricity spend through Ideals LED Lamps was a pain free exercise and the total result is a much improved experience for our clients."

Alana Preece  
Finance Director  
Mandarin Stone

