

GREENLED - CASE STUDY



Saving energy through sustainable lighting

BLUNSDON HOUSE HOTEL – successful major LED re-fit



In September 2007, Greenled approached the management of Blunsdon House Hotel, a 4 star premier Best Western hotel on the outskirts of Swindon in Wiltshire, with a proposition to reduce energy by installing Greenled's own Antares downlights in place of the standard halogen downlighters that were installed at the time. Excited by the prospect of the savings in energy usage and in terms of labour and maintenance costs, the idea was championed by Steve Day, the Facilities Manager and his team who put the proposition to the hotel owner, John Clifford. Following a further presentation by the Greenled team which set out the full savings potential, an area of the hotel annexe (comprising the 17 ground floor bedrooms, corridors and a beauty parlour) was identified as a suitable area for a trial.

Energy consumption within this area was measured over a month-long period while the halogens were still installed. At the end of the month 192 of the original 35W halogens in the bedrooms, bathrooms and up and down the corridors were replaced with Greenled 4W Antares and the energy consumption was re-measured over the following month. Taking the variation in occupancy rates into account, the hotel immediately saw energy consumption reduce by 75% in this annexe area. If rolled out throughout the whole hotel complex, the management would see a total running cost saving of more than £ 12 per lamp per year and an overall energy saving of £ 16,000 pa.

Customers and members of staff, despite being prompted, noticed no differences in the light levels, light colour or light intensity during this period. The only comment was from the head of Steve Day's operations team, who wondered whether his job was still safe. He was not required to change any bulbs on that floor during the month long period – something that he had never encountered previously. Greenled Antares lamps are currently being rolled out throughout the rest of the hotel area by area.