



Clear Image

Clear Image Case Study

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Project	University of Sheffield, Energy Saving Lighting, Student and Private Residences
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With a strong commitment to reducing energy consumption and carbon footprint, the University of Sheffield is a leading light in the drive to reduce environmental impact. When refurbishing three Victorian villas used for student accommodation and implementing a new lighting system in a University owned private residence the University of Sheffield chose to install energy efficient outdoor LED lights.

Lighting accounts for a large proportion of an organisation’s electricity consumption (around 40%, according to the Carbon Trust), so making savings in this area can have a massive impact on costs and carbon emissions.

Choosing energy efficient LEDs over the more conventional option of metal halide or sodium lights can reduce energy consumption by up to 80%. Because they are robust and long-life, LEDs also deliver big savings in maintenance - with the average cost of replacing a bulb at around £400 a time, this really adds up.

Sheffield’s Energy Manager, Phil Riley, explains: *“the University of Sheffield has a very strong commitment to reducing energy consumption and carbon footprint and we are always keen to look at new ways to reduce environmental impact, as well as costs. Choosing energy efficient outdoor LED lights rather than the more conventional energy-hungry, maintenance-intensive metal halide lights will reduce our energy consumption on these buildings by 63% and carbon emissions by over 22,000 kg pa.”*



LEDs provide crisp, bright light using very little energy

Pat McGrath, Director of Accommodation & Campus Services (ACS), adds: *“With rising energy costs and our commitment to sustainability we are continually exploring innovative ways to reduce energy consumption. LED lights are a good option as they are extremely energy efficient.*



Adaptive Illumination reduces the nuisance of light pollution

They are very low maintenance, reducing our costs in this area too. As an added benefit, they also reduce light pollution.

Being in close proximity to other houses, we were keen to minimise the impact of the lighting on neighbouring residences. Because the light can be directed to where it is needed, we have significantly reduced the nuisance of light pollution whilst still providing good illumination for safety and security.”

Michelle Atkinson, Divisional Director of Clear Image’s Energy Saving Solutions Division adds: *“LEDs are a great choice as they provide good light output with very low energy consumption, are virtually maintenance-free and long-lasting. The total cost of ownership compared to say, a conventional metal halide light, is reduced by around 80%. Whilst good quality LEDs are more expensive than conventional lights, the payback is rapid – and all our LEDs carry a five-year warranty.”*

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