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# Case Study

## Coombe Abbey



# Megaman LED's in 20<sup>th</sup> Century Hotel

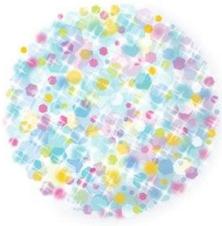
Lamps and reflectors from Megaman's extensive decorative lamp range, including LED candles and LED GU10's, are being used for a variety of applications in Coombe Abbey Hotel, a beautiful country house nestling within the UK's historical heartland of Warwickshire. The use of Megaman lamps has enabled Coombe Abbey to maintain its energy saving ethos whilst retaining the old world charm and aesthetics of the interior decor. Set in 500 acres of parkland, overlooking formal gardens and a tranquil lake, Coombe abbey was founded as a monastery in the 12th century and in the 16<sup>th</sup> century it became royal property.

Michael Butler, part of Megaman's technical team, worked closely with interior designer Yvonne Scott to conduct an energy survey of the site and suggest alternative lamps for use within existing fittings. It was decided that lighting in the hallways, lobby, bedrooms and landings should be provided by a combination of Megaman's LED Candle lamps, LED GU10's reflector lamps and LED dimmable classics.



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### Megaman Lamps



5W LED Candle



8W LED Classic



9W CFL Candle



11W CFL Classic

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Mood setting was an important consideration because of the history of the hotel and the surrounding décor so high output LED's were considered unsuitable. Because of this, 5W LED frosted SBC/SES Candles were utilised in the bedrooms and some public areas, 5W GU10 reflector LED's in the down lighters throughout and the bathroom corridors and 8W LED Dimmable Classics in the guest bedrooms to provide more intimate illumination.

Throughout the facility, Megaman lamps have been incorporated in existing fittings to replace the existing halogen and filament lamps and provide a longer lamp life whilst reducing maintenance time and conversion costs. Another benefit was that this simple change of lamps caused no disruption to the day-to-day running of the hotel.

Megaman's LED GU10's emit three times less heat than the equivalent halogen lamps, produce 2800K for a warm, ambient colour temperature and have a long life of 25,000 hours. The LED Candle lamp resembles a central point light source and has been developed specifically to highlight the aesthetic appeal of crystal and chandelier fittings. It features a light-emitting position similar to that of the filament in an incandescent candle lamp which generates a sparkling effect to the surrounding fixture. Its unique 'heat sink' design allows for heat dissipation as the LED Candle omits considerably less heat than an equivalent incandescent lamp. Yvonne Scott, interior designer at Coombe Abbey, is delighted with the results and commented "We found Megaman Lamps to be of an excellent quality and appearance producing the lighting effect we required".

For more information on this project or the Megaman lamps used please contact us:

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