

Imagine This

Kent, UK



“The initial lighting system the developer installed in a new-build home was a low end hybrid of conventional and wireless controls with a restricted control solution. We recommended that the best system to meet the light control requirements of a house of this stature was Lutron’s whole-home solution, HomeWorks QS.”

Guy Singleton, Managing Director at Imagine

Background:

Following the results of a due-diligence survey of a new home’s AV infrastructure, it became apparent to the potential home purchasers that the developer had created a multi-million pound luxury home that needed an AV upgrade from day one.

The challenge:

As well as bringing in a more intuitive light control solution to this new build property, the due diligence survey showed that the light sources used by the developer had created a very high load output throughout the home. Both these areas needed to be addressed to provide the new home owners with a sustainable, integrated solution moving forwards.



A state-of-the-art residential lighting control system



Perfect for the smooth dimming of LED light sources



A bespoke DIN rail modules enclosure allows for easy installation of HomeWorks QS and gives a clean and stylish finish

The solution:

To overcome the problem of chasing in wiring into a new build property, Imagine This chose to use Lutron's wireless HomeWorks® QS light control solution. A Lutron HomeWorks QS processor was installed on the ground floor of the property and wired to one repeater; then, three Lutron repeaters were connected wirelessly throughout the house. Six wireless Lutron GRAFIK Eye QS and integrated keypads were subsequently connected throughout the house, creating fourteen different control points from which to wirelessly manage the 96 circuits.

In addition, 33 Lutron Pico® wireless keypad controllers were fitted throughout to enable a wide range of pre-programmed scenes to be accessed. By using multiple wireless repeaters and keypads where necessary, new wiring within the house was kept to a minimum and there was no disturbance to the fabric of the building.

To reduce load output, LED light sources replaced the existing lighting throughout. Guy Singleton comments: "Dimming LEDs is often troublesome but the Lutron system performed excellently and with a wide range of 0-10v and other dimming modules available, allowed us to smoothly dim our circuits, without flicker or a sudden drop to zero."

The results:

The end result is a lighting control system that allows the client all of the features associated with Lutron, such as, astronomical time clocks, security features, vacation modes and energy efficiency, yet has not required any disturbance to the fabric of the house.

Although cost-savings were not a primary motivator on this luxury home installation, by switching to LED light sources and dimming control, pre and post-load monitoring has shown that the home owners will reap the added benefit of cost savings of around 60% on the original installation's energy usage.

Client:	Private owner
Custom Installer:	<i>Imagine This</i>
Photography:	<i>Imagine This</i>
Lutron Products:	HomeWorks QS, GRAFIK Eye QS, Pico Wireless Keypads, HomeWorks Sivoia QS motors, HomeWorks QS dimming modules and wireless RF repeaters
Fixtures:	Deltalight

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