

The Financial Benefits

Lutron Lighting Digital Dimmers with Philips MASTERLine ES lamps

This report outlines the financial benefits of using Lutron Lighting Control's Digital Dimmers with Philips MASTERLine ES halogen lamps and how to save £200 per lamp, for the extended life of the lamp.

First take a look at the financial cost saving for the Philips MASTERLine ES halogen lamp.



The Philips MASTERLine ES 30 Watt Halogen Lamp is a fully dimmable replacement for a 50Watt MR16 Halogen Lamp and achieving the same light output.

PHILIPS

This is a 40% energy saving

30Watts power
Eqv 50Watts light output
5,000 hours life
Fully DIMMABLE



Energy Saving 40%

| | |
|--|-------------------------------|
| Unbranded lamp power used | 50Watts |
| 50Watt Power used for 5,000 hours (or the normal life of the eco-lamp) | 50Watts x 5,000hour = 250 kWh |
| Electricity cost | 16p per kWh |
| Cost of energy over 5,000hours | £40.00 |
| Total Energy saving over 5,000hours @ 40% | £16.00 |

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The Real Financial Advantage when combining the Philips MASTERLine ES Halogen lamp with the Lutron Lighting Controls Digital Dimmers.

Lutron Digital Dimmers use Triac technology to dim lights – this means that when for example lights are dimmed to 50%, about 52% of electricity is used.



Soft start and dimming the lamp to a maximum of 90% will extend the life of a low voltage halogen lamp by up to 10 times.

switching a lamp on full from cold is the basic cause of lamp failure

Rania Universal Digital Dimmer



Grafikeye 3100, 3500, Integral, B&O Series



LCP 128 and HomeWorks Universal Dimmers



Using the Philips MASTERLine ES lamp with Lutron lighting controls digital dimmers extend the lamp life by up to 10 times

| | |
|--|-----------------------------|
| Dimming the 5,000 hour Philips MASTERLine ES lamp extends life up to 10 times | 50,000hours |
| Cost of a cheap 1000hour unbranded lamp | £1.00 |
| Replacement cost saving - over the extended life of the Philips MASTERLine ES lamp when dimmed against an unbranded lamp when switched | 50 x £1 less £4.99 = £45.01 |
| Total Energy saving over 50,000hours @ 40% | £16 x 10 = £160.00 |
| The combined energy and replacement saving over the extended life of the Philips MASTERLine ES lamp when dimmed | £160+£45 = £205.00 |

Question

How many 50Watt halogen down lighters do you have on switches ?

Answer x £205 = £ your opportunity to invest in lutron digital dimmers and Philips MASTERLine ES lamps

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