

# The Financial Benefits

Rako Lighting Digital Dimmers with Philips MASTERLine ES lamps

This report outlines the financial benefits of using Rako Lighting Controls Digital Dimmers with Philips MASTERLine ES halogen lamps.

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

Purchase Rako Dimmers and Philips MASTERLine ES lamps  
[www.onidserv.com/rako/](http://www.onidserv.com/rako/)

sale line: 07659 190802  
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The Real Financial Advantage when combining the Philips MASTERLine ES Halogen lamp with the Rako Lighting Controls Digital Dimmers.



500 Watt Dimmer with soft start

Rako 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.

In standby mode the dimmer uses less than 1Watt, this is very efficient and very eco-friendly



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

**Savings when using the Philips MASTERLine ES lamp with rako lighting controls digital dimmers**

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%	£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 rako digital dimmers and Philips MASTERLine ES lamps