

A guide to home lighting control



Royal Mirage, Dubai



Bank of China, Beijing



Guggenheim Museum, Spain

Lighting up the world.

At Lutron we have a passion for our product. And we have the enthusiasm of pioneers on the subject of lighting control. That's why we always like to share images and stories of our most ambitious projects – to inspire you to realise your dreams.



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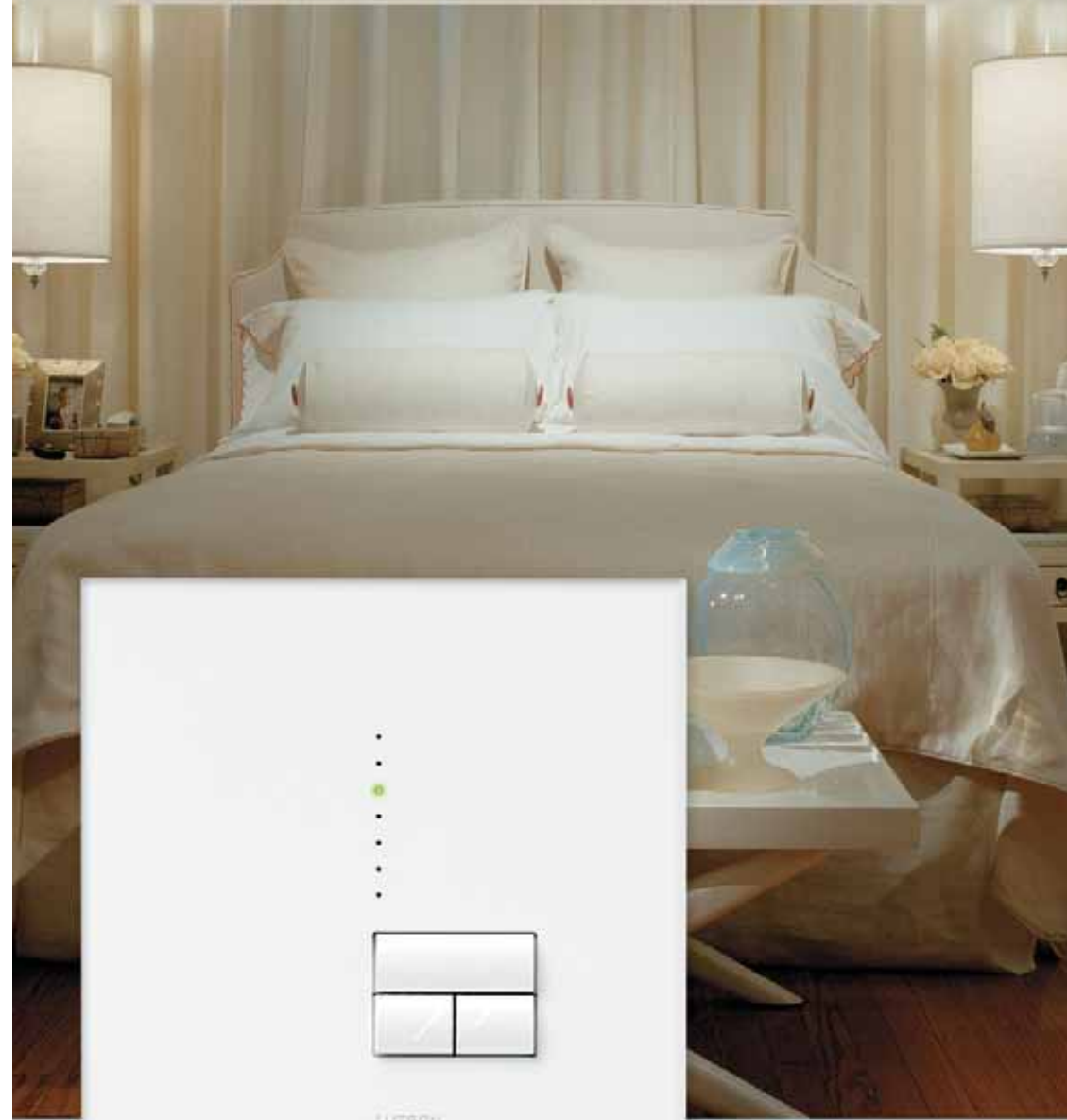
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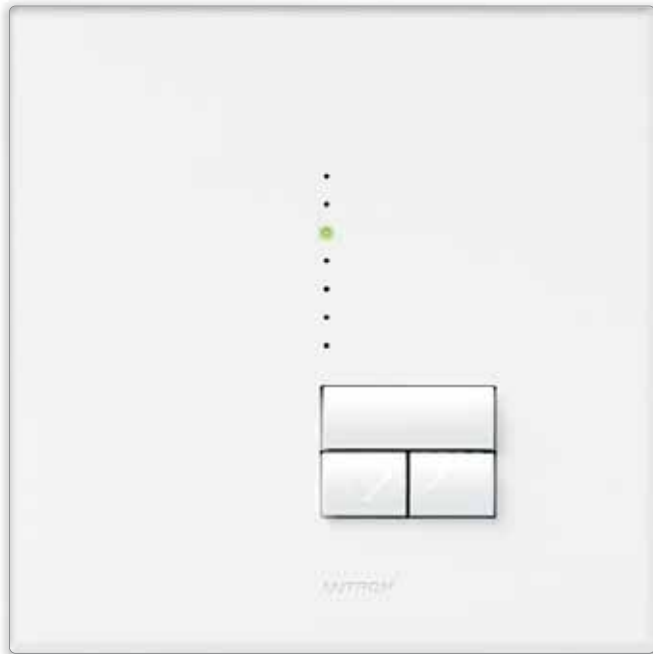
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A better quality of light.



Actual size.

Rania™ dimmer

A dimmer is a dimmer is a dimmer, right? Actually, no.

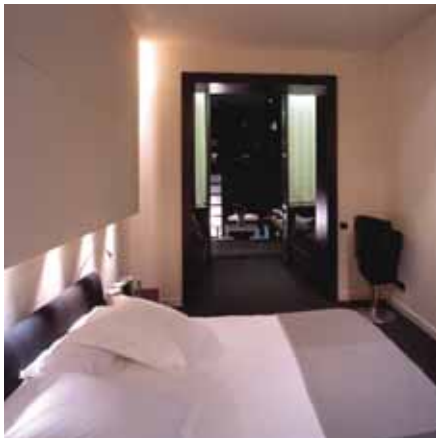
The quality of lighting controls varies enormously.

Lutron products have always been known for being well designed, manufactured to high standards, 100% tested, reliable and durable to assure your satisfaction.

High standards of design and manufacture mean that many Lutron installations from the late 1960s and '70s are still operating today. And since developing the original dimmer, we now offer the industry's most comprehensive range of lighting control products.



Controlling light, mood and ambience.



At Lutron we understand the many advantages of controllable light better than anyone else.

We pioneered the idea of dimming back in 1961, when our founder, Joel Spira, invented the first electronic solid-state dimmer.

Since then, we have introduced many innovations in lighting controls.



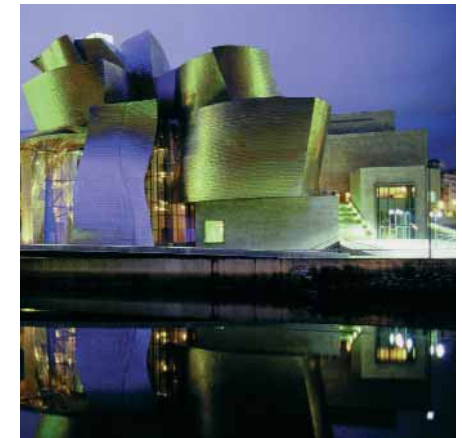
Today we have more than 250 patents, and more than 11,000 products shipped to 80 countries.

This commitment to original, ingenious ideas has made Lutron the first choice for many homeowners, lighting designers, engineers and architects.



You'll find Lutron in all kinds of homes around the world – it's become *the* name in lighting controls for private residences.

And you'll also come across Lutron systems in offices, restaurants, hotels, shops, museums, universities and public buildings.



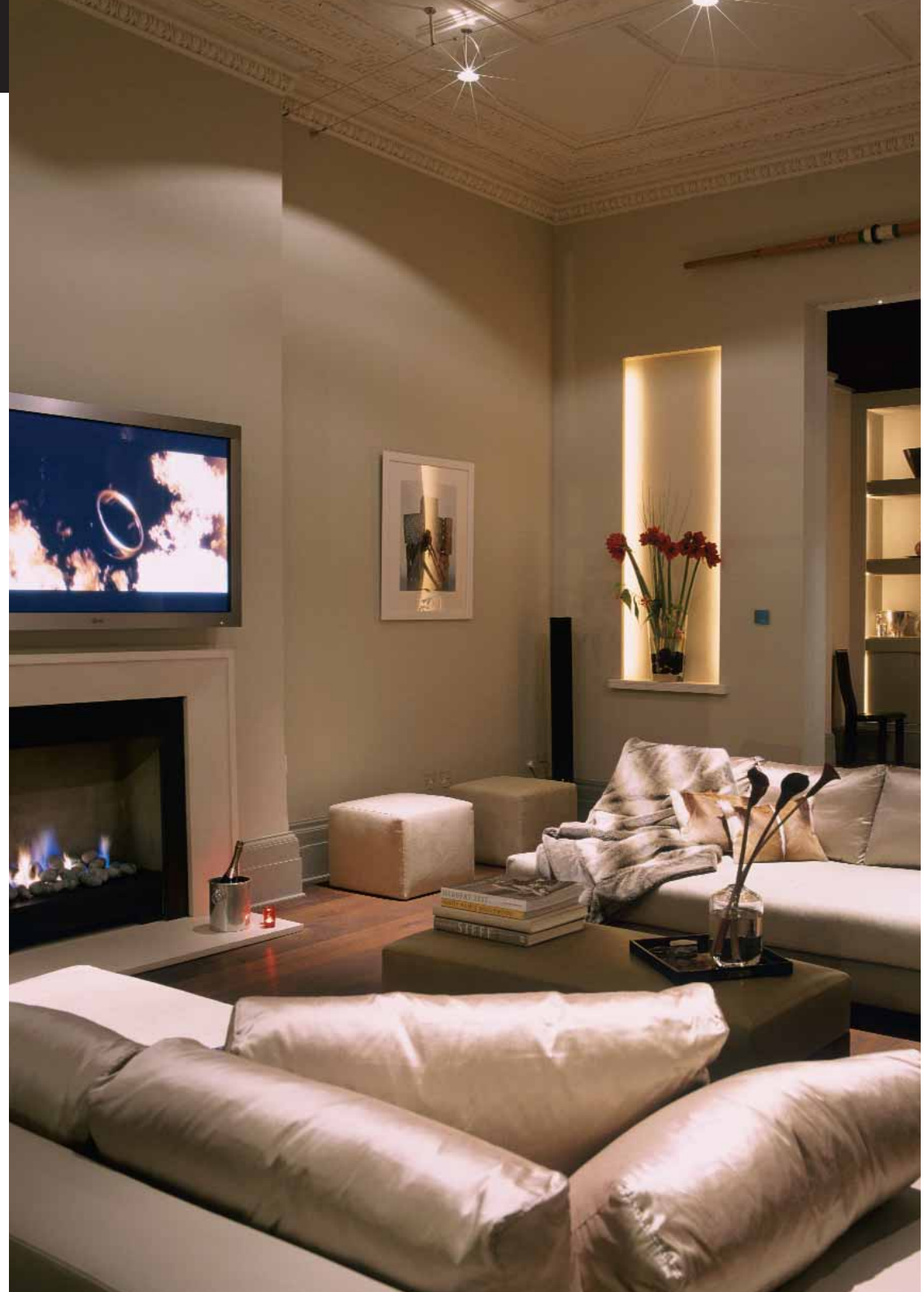
From the Millennium Bridge in Gateshead to the Bank of China's headquarters in Beijing, the Statue of Liberty in New York to the Guggenheim Museum in Bilbao, we're proud to have worked on the most ambitious lighting control projects across the world.

How about a night in?

Cosy, romantic effects from the living room to the master bedroom. Cuddling up on the sofa to watch a movie, you want that cinema-style effect – at the touch of a button. And we all know that nothing lights up a romantic moment like soft, subtle lighting.



Photo opposite: Permission of Christina Fallah Designs Limited.



Who's cooking tonight?

Bright lights for every task.

Sometimes you need good light carefully directed to the task in hand – whether you're cooking up a stir-fry, writing your presentation or working wonders with an eye pencil. Your lighting can match your own flexibility – with different light levels, for any activity, in the same room.



Photo above: Permission of Christina Fallah Designs Limited.

I want a bit of drama.

Dramatic effects for special occasions.

Lighting can be quite "theatrical". For example, when you're setting the table for a dinner party, the finishing touch is beautiful lighting. And with controllable lighting, you can pick out a painting, or highlight a favourite *objet d'art*. While outdoors, you can conjure a little magic with lighting for pools and paths.



Choose your style.

You know the mood you want. The next question is: how do you create it?
Here's how to choose the right dimmers for your home.

Step 1

Choose the style that best matches or complements the décor of the room.

slide dimmers



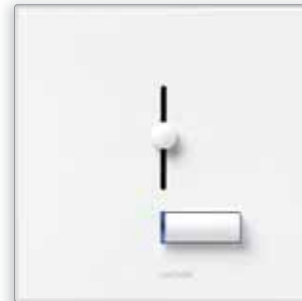
Lyneo™ slide to off (sto)



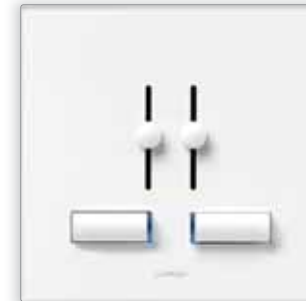
Lyneo slide to off dual



Lyneo preset



Lyneo preset dual



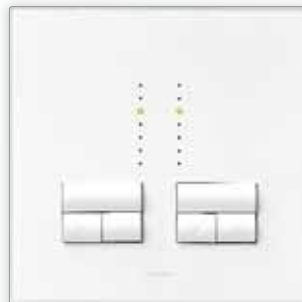
intelligent dimmers



Rania™



Rania dual



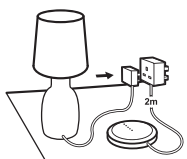
Rania IR with single remote



Rania IR dual with dual remote



lamp dimmers






Solina™



Step 2

Choose the dimmer designed to control the kind of lights you have in the room, for example, incandescent or low voltage.

Types of Lighting

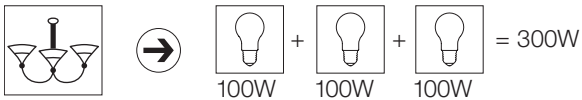
	INC Incandescent 230/240V		MVH Mains voltage halogen 230/240V		LV Low voltage halogen 12V
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Step 3

Calculate the total load.

Incandescent light bulbs have wattage ratings marked on the bulb. Add up the wattage of all the bulbs in the fixture and select a dimmer that is rated above or equal to your total wattage.

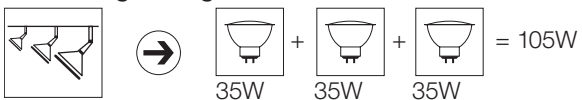
Incandescent 230/240V



Mains voltage halogen 230/240V



Low voltage halogen 12V



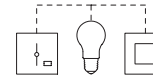
Step 4

Decide how many dimmers/switches control the same light fitting and choose from these options.

If there is only one switch, use a single-pole dimmer to dim a light from one location. (2-way or multi-location dimmers will work in this application.)

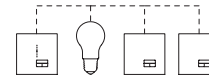


If there is more than one switch, use a 2-way dimmer to dim a light from one location and switch from another. Choose a 2-way dimmer and a 2-way switch. (When using Rania™ dimmers, remember to use an accessory dimmer.)



Multi-location dimming to dim a light from more than one location – up to ten.

Choose one intelligent dimmer and up to nine accessory dimmers. Accessory dimmers work together with the intelligent dimmer, enabling more than one control to dim a light fixture.



Product Summary Table

Step1 Product	Step 2			Step 3 Load	Step 4		
	INC 230/240V	MVH 230/240V	LV 12V		1 Way	2 Way	Multi Way
Lyneo™ (sto) p.15	•	•		500w	•		
Lyneo preset p.16	•	•	•	500w	•	•	
Rania p.17	•	•	•	450w	•	•	•
Rania IR p.18	•	•	•	450w	•	•	•
Solina™ p.19	•	•		300w			

Slide dimmers.

Dimmers make all the difference to the ambience of a room. Instead of old-fashioned on/off lighting, you can match the level of light to the mood or activity. Changing a switch to a dimmer is simple. With Lutron you can choose from our new range of Lyneo slide dimmers in a range of different coloured finishes to match your décor.



Lyneo slide to off (sto)

- Slider to change light level
- Single – 500W
- Dual – 2 x 250W

Actual size.



Lyneo preset

- Slider to change light level
- On/off button
- LED status light
- Also available without status light
- Single – 500W
- Dual – 2 x 250W

Actual size.



Lyneo and Rania™ range available in these colours

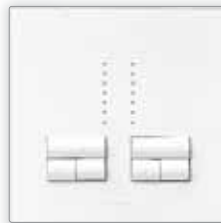


Metals



Intelligent dimmers with remote control.

In your living room, you can pre-set the lighting controls to suit the way that you live – “Cinema”, “Homework”, “Entertaining”, “Cleaning”. Then with a hand-held remote control (or even your universal TV remote), you can change the ambience of your room without leaving your chair.



Rania

- Lights softly fade on and off
- Ultra-quiet intelligent dimmer
- LEDs indicate light level
- Double-tap to full on
- Dimmer memorises last level you chose
- One dimmer to control your lights – up to 10 locations (when you have accessory dimmers)
- Single – 450W
Dual – 2 x 250W

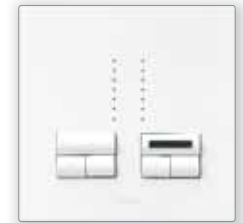
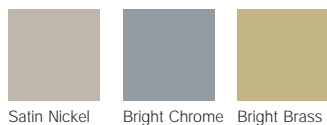
Actual size.



Lyneo™ and Rania range available in these colours



Metals



Rania IR

- Remote control – to change the light level at any time, from anywhere in the room
- Dimmer has all the benefits of the Rania on the page opposite
- Remote controls have a range of 10 metres (30 feet)
- Single – 450W
Dual – 2 x 250W

Actual size.



Remotes



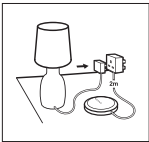
Single Dual

Lamp dimmers.

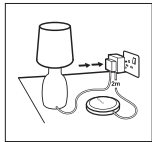
Solina table and floor lamp dimmers.

This discreet table-top dimmer lets you set the level of light for floor and table lamps. You don't need to do any new wiring, it just plugs in.

- Plug-in lamp dimmer with 2 metre cord (plug included)
- For use with table and floor lamps that do not contain integral dimmers
- LEDs indicate light level
- Double-tap to full on
- Memorises last light level set
- Lights softly fade on and off
- 300W



Plug the lamp into the dimmer



Plug dimmer into socket



Actual size.

Solina available in these colours



Arctic White Mica Perfect Pink

Table lamps can add accents to a room's lighting, providing a comfortable and convenient level of light next to your bedside. With Solina, you can dim a table or floor lamp to a soft glow during a movie or brighten it with a touch of a button for reading or working.

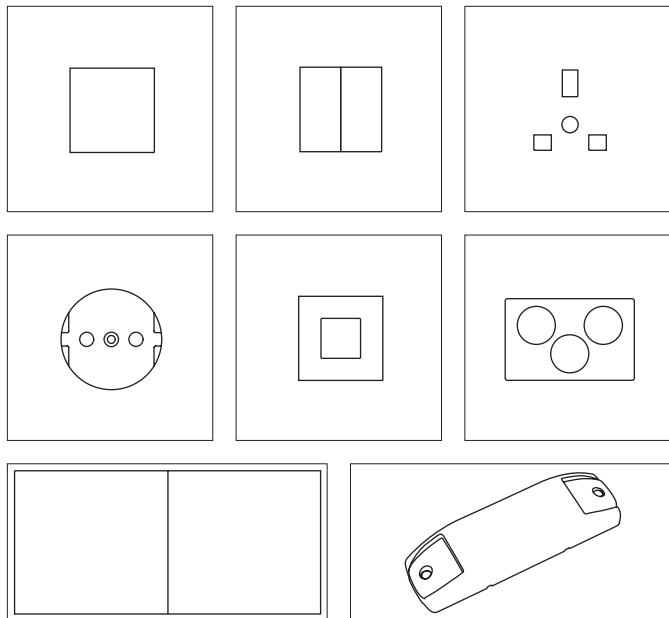


Integrated lighting controls for your home.

Lutron offers more than just single dimmers. You can control all the lights in one room or indeed the whole house from just one button and control natural light with our motorised window solutions. We can also link the lighting controls to your security and AV systems. The possibilities are endless.



Coordinating accessories and wallplates.



Lutron offers a comprehensive range of accessories to coordinate the finish and colour of power outlets, switches and jacks with your Lutron dimmers. Two Lutron products can also be framed together.

Accessories available for Lyne0™, Rania™ and Rania IR.

Wiring devices

- Switches
- Power outlet
- Phone jacks
- TV/SAT/CABLE
- Dimmable transformers for low voltage lighting – 50W and 105W

How to install a dimmer in four easy steps.

1

- Turn power OFF at the breaker panel or fuse box
- Disconnect the wires from the existing switch

2

- Remove the clip cover and control plate from the switch mounting

3

- Connect wires to the terminals of the dimmer

4

- Mount the dimmer and the wallplate
- Turn the power ON at the breaker panel or fuse box

Answers to common questions about dimmers.

What sort of dimmer should I choose?

See pages 13 and 14 for a step by step guide.

What kind of dimmers do I use with my low voltage transformers?

Low voltage lighting uses a transformer that is either magnetic or electronic. Use Lutron universal dimmers to control both. We recommend Lutron transformers designed specifically for electronic low voltage applications.

Can I replace my existing switch?

Yes. You can replace a switch with a dimmer, just as you would another switch.

What are the dimensions of the dimmer?

86mm x 86mm.

Do I need any special cable to install a dimmer?

No. You just use the existing two wires to make the new connection.


How do I prevent lamps with dimmers from flickering or buzzing?

This is a problem with lamps or transformers you use and the electrical load. You will need to identify the part number of your dimmer and call the helpline.

Can using dimmers save money?

Dimmers save energy and increase the life of your light bulb so they are friendlier to the environment and to your pocket.

Dimming	Saves electricity	Bulbs last longer
10%	10%	2 times longer
25%	20%	4 times longer
50%	40%	20 times longer
75%	60%	>20 times longer



0800 282 107

If you have a question, please call the Lutron customer helpline.

Some technical terms explained.

Electronic low voltage. Track lights are usually electronic low voltage. (Control these lamps with low-voltage 12V dimmers only).

Gang. Single-gang = one control mounted in a single wallbox. Multigang = two or more controls mounted side-by-side in a series of connected wallboxes.

IR (Infra Red). Type of remote control technology.

Magnetic low voltage. Recessed lights are often magnetic low voltage. Magnetic low voltage lights tend to be larger and heavier than electronic low voltage.

Multi-location dimming. Allows full-range dimming from two to ten locations.

Preset dimmer. Preset dimmers have a built-in on/off switch that allows the user to turn lights on to a pre-selected light level.

Single pole. A single pole dimmer provides full-range dimming from one location only.

2-way. 2-way dimming control allows dimming or switching from one location (using a 2-way dimmer) and on/off switching from a second location (using a 2-way switch).

Wallbox dimmer. A self-contained dimmer that replaces a standard switch.