

## Why Do My Lights Flicker?

Lights flickering in the home can be quite frustrating, but fear not, we're here to shed some light on the issue. There are a few reasons why this might be happening, so let's dive in:

### Non-Dimmable LEDs:

If you have LED light bulbs and Dimmer switches, not all LED lamps are designed to be dimmed. If you've recently upgraded to LED bulbs and notice them flickering, it could be because they're not compatible with your dimmer switch. It usually states on the packaging if the Bulb or light is a dimmable or not.

### Old Dimmer Modules:

If you've recently upgraded to energy-efficient LED bulbs but are still using an older dimmer switch designed for incandescent or halogen bulbs, compatibility issues may arise. Older dimmer switches often require a minimum load to function correctly, and the lower wattage of LED bulbs may not meet this requirement, resulting in flickering or inadequate dimming performance. It's best to Contact your local electrician to see if your existing dimmer switches are compatible.

### Compatibility Issues:

Some LED lights come with a specification sheet that outlines compatible dimmer switch brands. Using the wrong dimmer for your LEDs can lead to flickering issues. It's worth checking the specification sheet when purchasing a new dimmable light.

In addition to compatibility issues with dimmer switches, LED lights may also flicker due to other factors such as faulty units or loose connections.

### Faulty LED Units:

Sometimes, individual LED bulbs or fixtures can develop faults over time, leading to flickering behaviour. This could be due to manufacturing defects, component degradation, or other internal issues within the LED unit itself and a replacement unit may be required.

### Loose Connections:

Another common cause of LED flickering is loose electrical connections. If the wiring connections between the LED bulbs, dimmer switch, or electrical circuits are not securely fastened, it can result in intermittent power supply and flickering lights.

When troubleshooting LED flickering issues, it's essential to consider these additional factors beyond dimmer compatibility. If you've tried troubleshooting and the problem persists, it's best to call in the professionals.

Precision Electrical Services, your local electrician based in Walton On Thames, Surrey, is here to help. We specialise in addressing electrical issues, including LED's flickering on dimmer switches. Don't hesitate to reach out for our expert assistance.