

Why some fluorescent tubes do not require a starter

Preview

Some modern fluorescent lights do work without a starter because they come pre-equipped with a ballast that has extra windings. However, with the advent of electronic ballasts, the need for a starter has. However, many people do not realize that a fluorescent tube would not work without a small but crucial component: the starter. Electronic ballasts are far more efficient and do not have starters, but wire wound ballasts are around 60 to 80 lumen per watt and very voltage dependent. The switch opens and closes until the fluorescent tube 'strikes' and lights-up. If the fluorescent tube. When upgrading traditional fluorescent lighting to energy-saving LED tubes, most building owners and project contractors encounter a common confusing question: do T8 LED tubes require a starter like traditional T8 fluorescent tubes? Many retrofit failures, flickering lights, or burnt tubes happen. Fluorescent lights do not have starters, but if they do, they are usually located near a tube socket.

No, LED tubes do not require a starter. LED tube lights represent a modern evolution in lighting technology, offering

The starter is implanted together with a conventional ballast as part of a fixture in which your fluorescent tube is placed. You don't

Rapid-start starters, on the other hand, provide instant ignition of the tube and are often used in newer fixtures. Make

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Fluorescent tubes require a higher voltage to start their discharge. After ignition, the operation regulates itself to a constant voltage,

While all starters are physically interchangeable, the wattage rating of the starter should be matched to the wattage rating of the

If the tube does not work despite a new starter and new fluorescent lamp, the ballast may be defective. In this case, a repair or

A fluorescent tube always requires some start-up time when igniting and that causes flickering. People who are sensitive to this, can

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Understanding how these starters work, recognizing signs of a failing starter, and knowing how to replace them are

Please note that LED tubes are supplied with their own special starter - which is essentially a circuit which bypasses the function that

I will probably buy some used fluorescent lamps to grow vegetables indoors for my project. As I am aware fluorescent

In this article, we explain in detail when an LED starter is required, how conventional starters differ from LED starters and what to

Hi, I have an old twin tube fluorescent strip light that doesn't come on anymore. The ends of the tubes light up and they

It not only limits the maximum tube current, but is used to generate the high voltage pulses needed to start the plasma arc within the

What exactly is LED starter? The producers ship it with only a vague explanation that it is needed to replace the

You may notice when we use electronic ballast with fluorescent light, then the fluorescent light does not need any

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