

Wiring method for cabinet light switch



AI Overview

Under-cabinet lights can be wired to a wall switch using either a line-voltage or low-voltage system, with careful routing, proper connections, and adherence to safety protocols.

Choosing the System

- Line-Voltage (120V):** Connects directly to household wiring without a transformer. Requires wires rated for 120V and careful concealment. Suitable for rigid light bars or puck lights that operate at standard voltage.
- Low-Voltage (12V or 24V):** Uses a power supply unit (PSU) to step down 120V AC to safe DC voltage. Easier to conceal thin wires and safer to handle. Common for LED strips and puck lights.

Materials Needed

- Under-cabinet lights (LED strips, puck lights, or bar lights)
- Power supply (for low-voltage systems)
- Single-pole wall switch rated for the circuit
- Electrical box for the switch
- Wire (14 or 12 AWG for line-voltage; thinner gauge for low-voltage)
- Wire connectors (wire nuts or crimp connectors)
- Optional: dimmer switch, conduit, adhesive wire channels

Wiring Steps

- Turn Off Power:** Switch off the circuit at the breaker and verify with a voltage tester.
- Plan Layout:** Determine light placement and switch location. Plan wire routing through cabinet frames or along undersides using channels or raceways.
- Install Lights:** Secure fixtures under cabinets using screws or adhesive strips.
- Run Wiring:** For line-voltage, run hot (black) and neutral (white) wires from the power source to the switch and then to the lights. For low-voltage, run 120V AC to the PSU, then low-voltage wires from the PSU to each fixture.
- Connect Switch:** Connect the incoming hot wire to one terminal of the switch. Connect the outgoing wire to the light or PSU. Connect neutral wires together in the junction box. Connect ground wires to the switch and box grounding screw.
- Secure and Conceal Wires:** Use wire channels, raceways, or drill small holes through cabinet frames to hide wiring.
- Test System:** Restore power and verify the switch controls all lights correctly.
- Safety Tips** Always confirm power is off before handling wires. Use wire connectors and secure all connections tightly. Ensure the PSU has pr...

Article Content

Electrical Wiring for Under Cabinet Lights

Hi, I am currently doing the electrical rough-in for the house and my wife wants under mounted kitchen cabinet lights. Most that I am finding seem to

How to Wire a Light Switch (Step-by-Step Guide)

This guide explains how to wire a standard single-pole light switch safely, including common switch wiring configurations, step-by-step instructions,

Complete Guide to Light Switch Wiring | Screwfix

This guide provides detailed instructions on light switch wiring, including how to wire 2-way and 3-way light switch setups. These systems allow you to control lights from two or more locations, especially

How to Install Under Cabinet Lighting to a Switch

Upgrade your kitchen lighting. Detailed guide on safely wiring under cabinet lights to a dedicated wall switch for a seamless, permanent installation.

How to Install Under Cabinet Lighting

How to Install Under Cabinet Lighting in 10 Steps Determine what type of under cabinet lighting makes sense for you. Layout the project Identify the

How to Install Under Cabinet Lighting

Cast an ambient glow in your kitchen with under-cabinet and accent lighting. We'll show you how to install puck, bar, rope and tape lights.

Electrical Wiring Light Switch Basics | Antech Electric

Need help understanding how to wire a light switch in your home? This light switch wiring guide covers everything you need to know about electrical switch wiring. From understanding

The Telegraph

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

How-to-Guide: Install Under Cabinet Lighting

Installing under cabinet lighting is an excellent way provide attractive, indirect illumination that can enhance the appearance and safety of your kitchen.

Cabinet Light Door Switch Wiring

In this video I will show you how to wire multiple door switches to one cabinet light such that the light goes on when any door opens and goes off when all doors are closed.

Wiring Diagram For Kitchen Cabinet Lights » Wiring

With the right wiring diagram, you can easily install kitchen cabinet lights and enjoy all the benefits they have to offer. For those that are unfamiliar,

Kitchen Cabinet Lighting Installed

The wiring hanging from the ceiling is for the low-voltage recessed cabinet lights. I used standard Romex cable for the low-voltage wiring because it

How to Install Under Cabinet Lighting to a Switch?

Learn how to install under cabinet lighting to a switch with this easy-to-follow guide; control your kitchen ambiance and save energy by easily turning on and off your under cabinet lights.

How to Wire Under Cabinet Lighting: Diagram and StepbyStep

To wire under cabinet lighting, begin by picking out the fixtures you want to install. Consult with an electrician before starting the project to ensure proper installation. Plan the wiring by

how to install under cabinet lighting to a switch || Modular house wiring

how to install under cabinet lighting to a switch || Modular house wiring how to install under cabinet lighting to a switchcabinet door switchhow to build ca...

How to Wire under Cabinet Lighting Diagram | 10 Easy Methods

Under cabinet lighting is a fantastic way to add both style and functionality to your kitchen. It not only enhances the aesthetics of your space but also provides valuable task lighting for

Under Cabinet Lighting: Wiring Methods & NEC Requirements

Master under cabinet lighting installation with this comprehensive guide covering LED strips, puck lights, hardwired vs plug-in, NEC requirements, and professional wiring methods.

Wiring Under Cabinet Lighting Without Flicker or Dead Spots

Learn wiring under cabinet lighting with a simple layout: run power to a switch, connect fixtures in parallel, secure wires, and test each light.

Cabinet door light switch in action

This video showcase the door switch that control the LED lamp embedded into the wardrobe. Wiring diagram for reference:

Quick and Easy Installation of a Switch on a Wooden Cabinet

In this video, we demonstrate how to quickly and easily install a switch on a wooden cabinet. Follow along as we walk you through the simple steps to ensure a secure and precise installation.

How to Wire Cabinet Lights to a Wall Switch | 7 Easy Steps

In this guide on how to wire cabinet lights to a wall switch, we'll cover the necessary materials, tools, and steps to take in order to successfully complete this project.

Light Switch Wiring Diagrams

Clear, easy-to-read diagrams for household electrical light switches with wiring instructions.

How to Add Cabinet Door Activated Light Switch

Adding a door activated light switch can be a great addition to your kitchen cabinet and help eliminate those dark areas. There are only three items

Routing a light switch to the side of a cabinet

I'm installing some floor to ceiling cabinets and due to the existing configuration, a light switch will need to be moved to the side of the cabinet.

How to Install a Light Switch on the Side of a Cabinet

Install a functional light switch directly on your cabinet side. Tips for shallow mounting, hardware choice, and hidden wiring.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://dknconsulting.co.za>

Email: info@dknconsulting.co.za

Phone: +31 6 2948 7351

Address: Herengracht 123, 1015 BT Amsterdam, Netherlands

This document is for informational purposes only. Specifications subject to change without notice.

