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› Kasa Smart LED Light Strip User Manual (Model KL420L5)

Kasa Smart KL420L5

Kasa Smart LED Light Strip User Manual

Model: KL420L5

Brand: Kasa Smart

PRODUCT OVERVIEW

The Kasa Smart WiFi RGBIC LED Light Strip (Model: KL420L5) is designed to enhance the ambiance of various spaces, including bedrooms, gaming areas, and workstations. This 16.4 ft (5m) smart light strip offers extensive customization with 16 million dimmable color choices and advanced animated effects. It features 50 adjustable color zones for precise lighting control and a durable PU coating for protection against moisture and dust. The strip is trimmable and comes with 3M adhesive backing for easy installation.

Key features include:

- **Versatile Smart Lighting:** 16.4 ft length suitable for various applications.
- **Animated Effects with 50 Color Zones:** Customizable color combinations and preset animated effects.
- **Protective Coating with Cuttable Design:** IP44 rated PU coating for durability and trimmable design for flexible installation.
- **Grouping and Smart Actions:** Seamless integration with other Kasa Smart devices for automated scenes.
- **Control Your Way via App or Voice:** Compatible with the free Kasa app, Amazon Alexa, Google Assistant, and Samsung SmartThings.
- **16 Million Colors & Scheduling:** Full dimmability and scheduling options to fit daily routines.



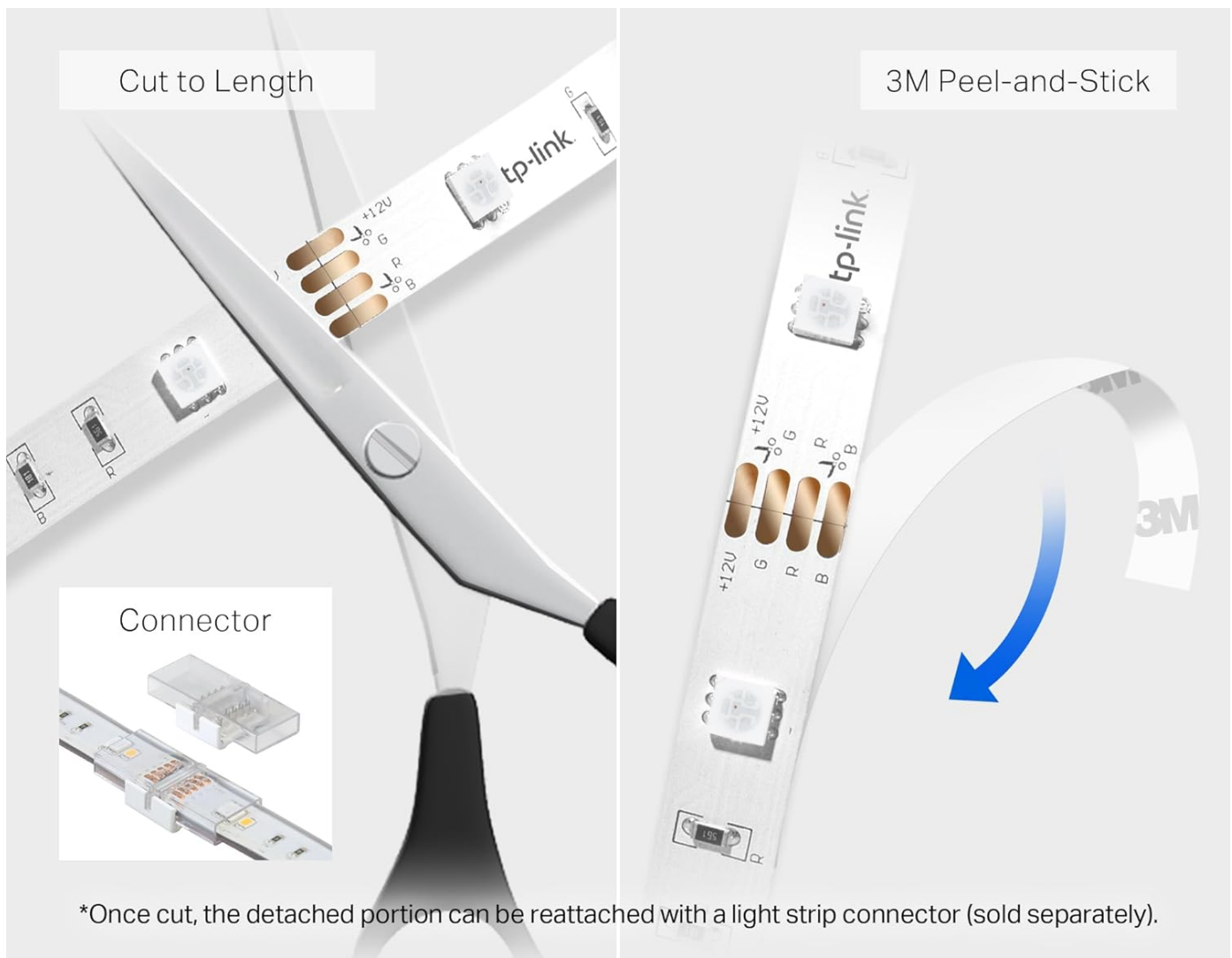
Image: Kasa Smart Light Strip, showing the product packaging and the coiled light strip with various colors. The image highlights key features like 16.4 ft length, 50 color zones, 16 million colors, Wi-Fi connectivity, and compatibility with Alexa, Google Home, and SmartThings.

SETUP GUIDE

Follow these steps to set up your Kasa Smart LED Light Strip:

1. Prepare the Installation Surface

Ensure the surface where you plan to install the light strip is clean, dry, and smooth. For optimal adhesion, clean the surface with rubbing alcohol and allow it to dry completely. The light strip comes with 3M adhesive backing for easy application.



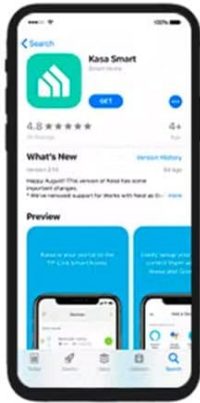
16.4 Ft Cuttable Length

Cut your light strip to perfectly fit around your TV, bed frame, kitchen cabinet, and more by cutting along the designated lines.

Image: A pair of scissors cutting the Kasa Smart Light Strip along designated lines, illustrating its trimmable design. Note: Once cut, the detached portion cannot be re-attached and will not light.

The light strip features a durable PU coating, providing IP44 rated resistance to moisture and dust. This makes it suitable for environments like kitchens, but note that connection points and the power adapter do not have this protective coating.

3-Step Set Up



1

Download the
Kasa Smart app
(Android, iOS)



2

Plug in your
smart light strip



3

Follow the simple
on-screen directions
and enjoy!



Easy Setup, No Hub Required

Download the free Kasa Smart app, plug-in and connect to Wi-Fi, and enjoy! No additional hub required.

Image: A close-up view of the Kasa Smart Light Strip, emphasizing its durable PU coating and IP44 rating for moisture and dust resistance. Water droplets are visible on the strip, demonstrating its protective features.

2. Download the Kasa Smart App

Download the free Kasa Smart app from the App Store (iOS) or Google Play Store (Android). This app is essential for controlling your light strip and accessing its smart features.

3. Power On and Connect

Plug in your smart light strip to a power outlet. Open the Kasa Smart app and follow the on-screen directions to connect your light strip to your home Wi-Fi network. No additional hub is required for operation.



Image: A visual representation of the 3-step setup process: 1. Download the Kasa Smart app, 2. Plug in your smart light strip, and 3. Follow on-screen directions to enjoy. This illustrates the ease of installation.

OPERATING YOUR LIGHT STRIP

The Kasa Smart LED Light Strip offers a wide range of control and customization options.

App Control and Voice Commands

Control your light strip from anywhere using the Kasa Smart app on your smartphone or tablet. The light strip is also compatible with voice assistants such as Amazon Alexa, Google Assistant, and Samsung SmartThings, allowing for hands-free operation. Simply use commands like "Alexa, set the lights to 60% brightness" or "Hey Google, turn the kitchen lights blue."



"Alexa, set the cabinets lights to blue."



Voice and App Controllable

Control from anywhere, anytime via the Kasa app or with voice commands using Amazon Alexa, Google Assistant, or Samsung SmartThings.

Image: A woman in a kitchen using voice control to change the color of the cabinet lights, demonstrating the voice control feature with an "Alexa, set the cabinets lights to blue." speech bubble.

Color Customization and Effects

With 16 million colors and 50 individually customizable color zones, you can create unique lighting experiences. Choose from dozens of preset animated effects like "Raindrop" or "Rainbow" to set the perfect mood for any occasion. The light strip is fully dimmable from 1% to 100% brightness.

PU Coating



Others: Bare Light Strip



Durable IP44 PU Coating

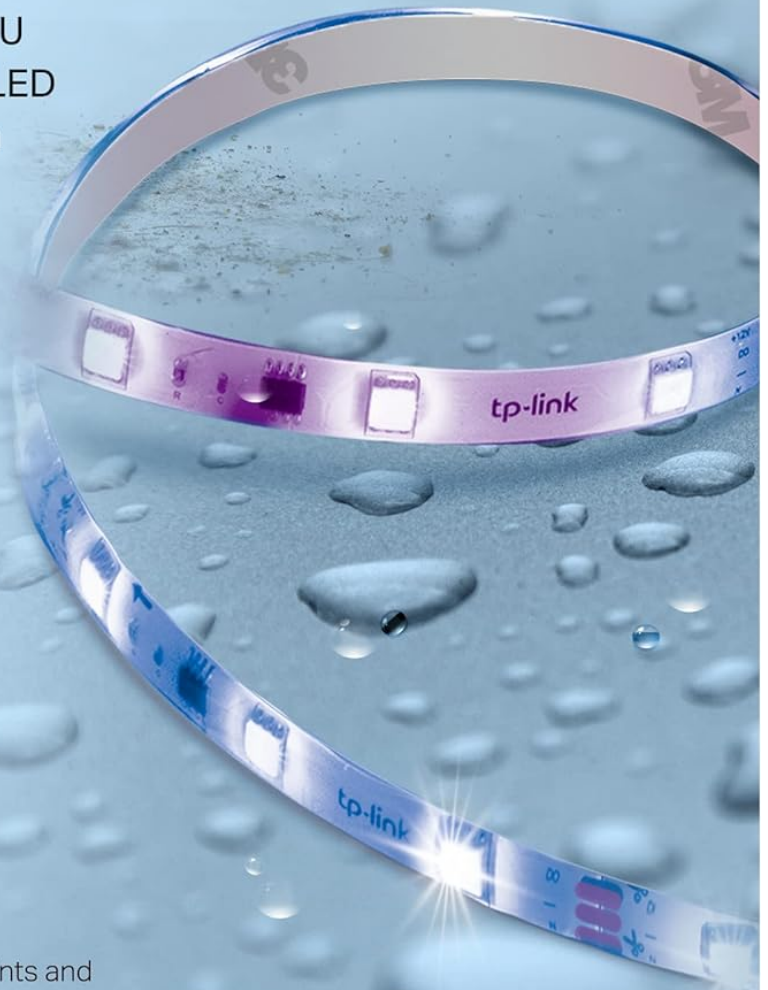
Featuring durable high-quality PU coating along the length of the LED strip, enjoy IP44 protection from moisture and dust.*



Durable PU
Coating



IP44



* Light strip has IP44 rating. Connection points and power adapter do not have protective coating.

Image: A kitchen counter illuminated by the Kasa Smart Light Strip, showcasing the vibrant 16 million colors and 50 customizable color zones. The image demonstrates the strip's ability to display multiple colors simultaneously.



Image: A group of people enjoying a party in a room illuminated by the Kasa Smart Light Strip, highlighting the animated lighting effects feature that can create a unique atmosphere.

Scheduling and Smart Actions

Automate your lighting by setting schedules for the light strip to turn on or off at specific times. Integrate it with other Kasa Smart devices to create "Smart Actions" or "Scenes," such as having the lights turn on when a Kasa camera detects motion, or activating a "movie night" scene with a single command.

MAINTENANCE

The Kasa Smart LED Light Strip is designed for durability and long-term performance. Its PU coating provides protection against moisture and dust, contributing to its longevity.

- **Cleaning:** To clean the light strip, gently wipe it with a dry or slightly damp cloth. Avoid using harsh chemicals or abrasive cleaners, as these can damage the coating or the LEDs.
- **Lifespan:** The LED beads are designed to shine brightly for an extended period, with an estimated lifespan of 25,000 hours of continuous use.



16 Million Colors With 50 Zones

Experience ultimate color customization with 16 million vibrant colors and 50 individually controlled color zones.

Image: A room with the Kasa Smart Light Strip installed, illustrating its brightness and durability. The image highlights a lifespan of 25,000 hours and a luminous intensity of 2100 mcd max.

TROUBLESHOOTING

If you encounter issues with your Kasa Smart LED Light Strip, try the following troubleshooting steps:

- **Connectivity Issues:**

- Ensure your Wi-Fi network is active and stable.
- Restart your Wi-Fi router and the light strip by unplugging and re-plugging it.
- Make sure the light strip is within range of your Wi-Fi router.
- Verify that the Kasa Smart app is updated to the latest version.

- **Lights Not Responding:**

- Check if the power adapter is securely connected to both the light strip and the power outlet.
- Confirm that the light strip is properly connected to your Kasa Smart app.

- If using voice control, ensure your voice assistant device (Alexa, Google Home) is properly linked to your Kasa account and is online.

- **Incorrect Colors or Effects:**

- Open the Kasa Smart app and re-select your desired colors or effects.
- If the strip was cut, ensure the cut was made along the designated lines. Improper cuts can affect functionality.

For further assistance, refer to the official Kasa Smart support resources or contact customer service.

SPECIFICATIONS

Feature	Detail
Model	KL420L5
Length	16.4 ft (5m)
Color Zones	50 customizable zones
Colors	16 Million RGBIC
Dimmability	1% - 100%
Connectivity	Wi-Fi (No Hub Required)
Voice Control Compatibility	Amazon Alexa, Google Assistant, Samsung SmartThings
Coating	PU Coating (IP44 rated for light strip)
Lifespan	25,000 hours
Power Source	Corded Electric (12 Volts)
Included Components	1 Smart Light Strip (16.4ft/ 5m), 1 Smart Light Strip Controller, 1 Power Adapter, 1 Quick Start Guide

WARRANTY AND SUPPORT

Warranty Information

The Kasa Smart LED Light Strip (KL420L5) comes with a 2-year warranty. For detailed warranty terms and conditions, please refer to the documentation included with your product or visit the official Kasa Smart website.

Optional protection plans are available for purchase:

- 3-Year Protection Plan
- 4-Year Protection Plan
- Complete Protect (monthly plan covering eligible purchases)

Customer Support

For technical support, product inquiries, or warranty claims, please visit the Kasa Smart support page or contact their customer service. The Kasa Smart app also provides access to support resources and FAQs.

You can find more information and support at the official [Kasa Smart Store on Amazon](#).

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For the latest information and updates, please visit the [Kasa Smart website](#).