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## VST PL05

# VST Smart Under Cabinet Lighting (Model PL05-Smart-CC-B) User Manual

Comprehensive instructions for installation, operation, and maintenance.

## INTRODUCTION

This manual provides detailed instructions for the VST Smart Under Cabinet Lighting system, Model PL05-Smart-CC-B. This system features smart control options including APP control, voice control with Amazon Alexa and Google Assistant, and convenient handwave control. The lights offer adjustable color temperature from 3000K to 6500K and dimmable brightness, making them suitable for various applications such as kitchens, living rooms, bedrooms, and display areas.

## PACKAGE CONTENTS

Verify that all components are present in your package:

- 6 x PL05 LED Under Cabinet Puck Lights
- 1 x Smart Control Switch (Handwave sensor)
- 1 x 6-Port Distributor
- 1 x 12V Power Driver
- 1 x AC Plug Cord
- Mounting Hardware (screws, 3M adhesive pads, cable clips)

**CRI < 90**

**CRI ≥ 90**



**See colors the way they  
are supposed to be.**

Image: All components included in the VST Smart Under Cabinet Lighting package, showing six puck lights, power adapter, distributor, switch, and mounting accessories.

# How to connect

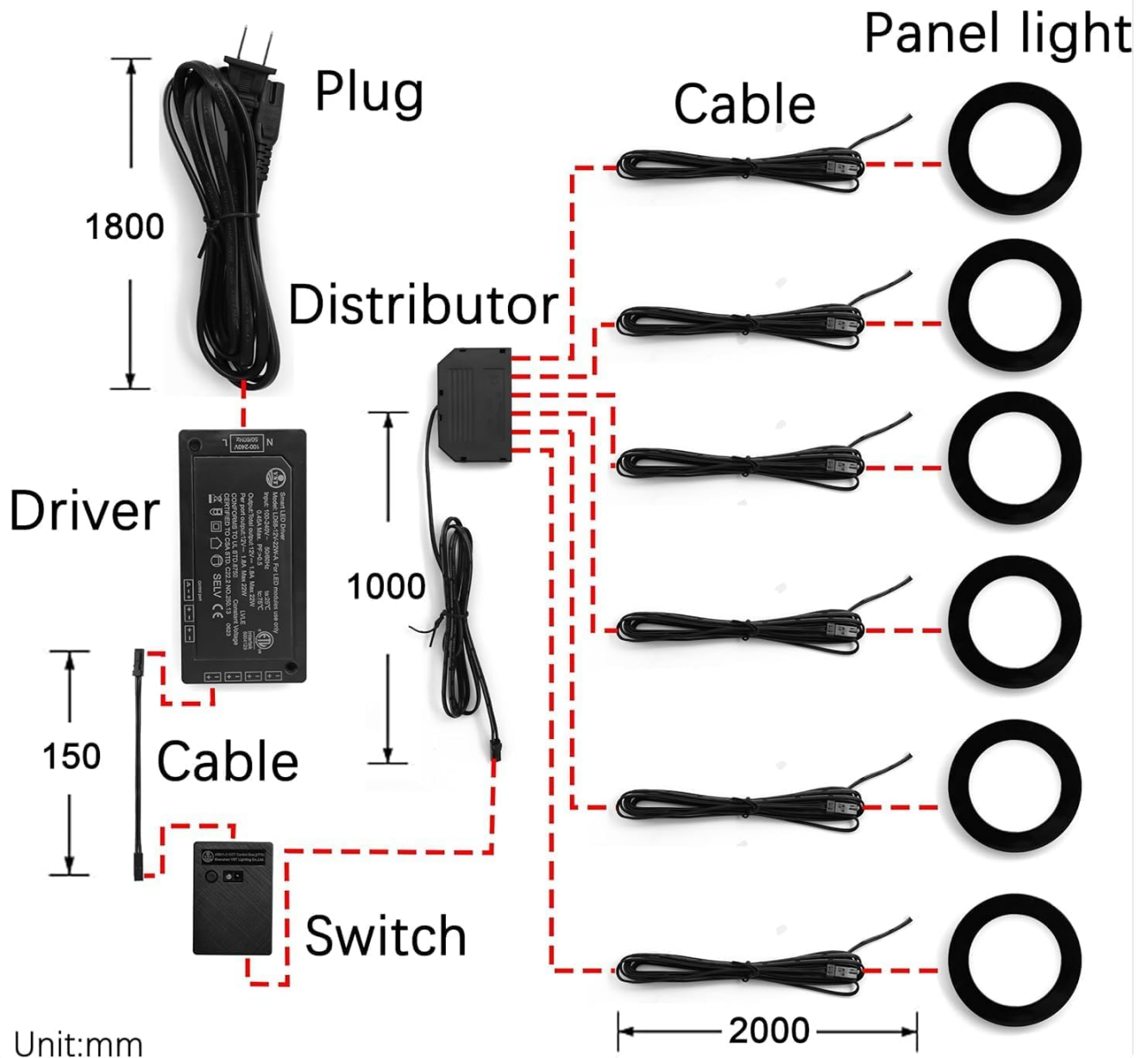


Image: A detailed layout of the VST Smart Under Cabinet Lighting system, illustrating the dimensions of the puck lights (2.56" diameter, 0.3" thickness), the power driver, distributor, handwave switch, and connecting cables. Also shows mounting hardware like screws and 3M adhesive pads.

## SETUP AND INSTALLATION

The VST Smart Under Cabinet Lighting system offers both recessed and surface mount installation options. Ensure power is disconnected before beginning installation.

### 1. Connection Diagram

Follow the diagram below to connect the components. Ensure all connections are secure before plugging into a power outlet.



Image: A schematic showing how to connect the VST Smart Under Cabinet Lighting components. The plug connects to the driver, which connects to the distributor. The puck lights connect to the distributor, and the handwave switch connects to the driver. Cable lengths are indicated in millimeters.

Your browser does not support the video tag.

Video: This video demonstrates the physical connection process for the VST Smart Under Cabinet Lighting system, showing how to link the power adapter, distributor, puck lights, and handwave switch.

## 2. Mounting Options

The puck lights can be installed using either 3M adhesive pads for surface mounting or screws for recessed mounting.

- **Surface Mount (3M Adhesive):** Clean the desired surface. Peel off the protective film from the 3M adhesive pad and firmly press the light onto the surface. Use cable clips to manage wires neatly.
- **Recessed Mount (Screws):** For a flush finish, remove the mounting ring from the light. Drill a hole of appropriate size (refer to product specifications for exact diameter) in the cabinet. Secure the mounting ring with screws, then press the light into the punched hole.

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Video: This short preview video demonstrates the installation of the VST Smart Under Cabinet Lighting, showing how to attach the puck lights to the underside of a cabinet using adhesive pads and connect them to the distributor.

## OPERATING INSTRUCTIONS

The VST Smart Under Cabinet Lighting system offers multiple control methods for convenience.

### 1. Handwave Control

The integrated handwave sensor allows for simple, touch-free operation:

- **Turn On/Off:** Wave your hand once over the sensor to toggle the lights on or off.
- **Dimming:** Hold your hand steadily over the sensor to adjust the brightness. The lights will dim or brighten gradually.
- **Color Temperature Change:** Short press the button on the control box to cycle through color temperatures (e.g., warm white, cool white).



**180 LUMENS**  
Ultra-efficient chip-on board technology

**1.8 WATTS**  
0-100% smooth flicker free, no pop-on/off

**DIMMABLE**  
Power consumption at 100%

**COB**  
Comparable to a 15-25 watt incandescent bulb

**cUL<sup>®</sup>US LISTED** **12V 1.8W/PC** **LED Puck Light**  
Under Cabinet Lighting

Image: This image demonstrates the three control methods: APP, Voice, and Manual (Handwave). The handwave control is shown with a hand passing over a sensor to operate the lights.

## 2. APP Control (Tuya Smart App)

Control your lights remotely using the Tuya Smart app. A 2.4GHz Wi-Fi network is required.

- 1. Download App:** Download and install the "Tuya Smart" app from your device's app store.
- 2. Pairing:**
  - Ensure the lights are connected and powered on.
  - Long press the button on the control box until the light flashes, indicating pairing mode.
  - Open the Tuya Smart app, click "Add Device" or the "+" icon, and follow the on-screen instructions to connect to your 2.4GHz Wi-Fi network.
  - Once connected, you can rename the device.
- 3. Functions:**
  - Adjust color temperature (3000K-6500K) and brightness (10%-100%).

- Turn lights on/off.
- Set schedules and timers.
- Create custom scenes and groups.

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Video: This video demonstrates how to connect the VST Smart Under Cabinet Lighting to the Tuya Smart app via Wi-Fi, showing the pairing process and basic app controls for adjusting color temperature and brightness.

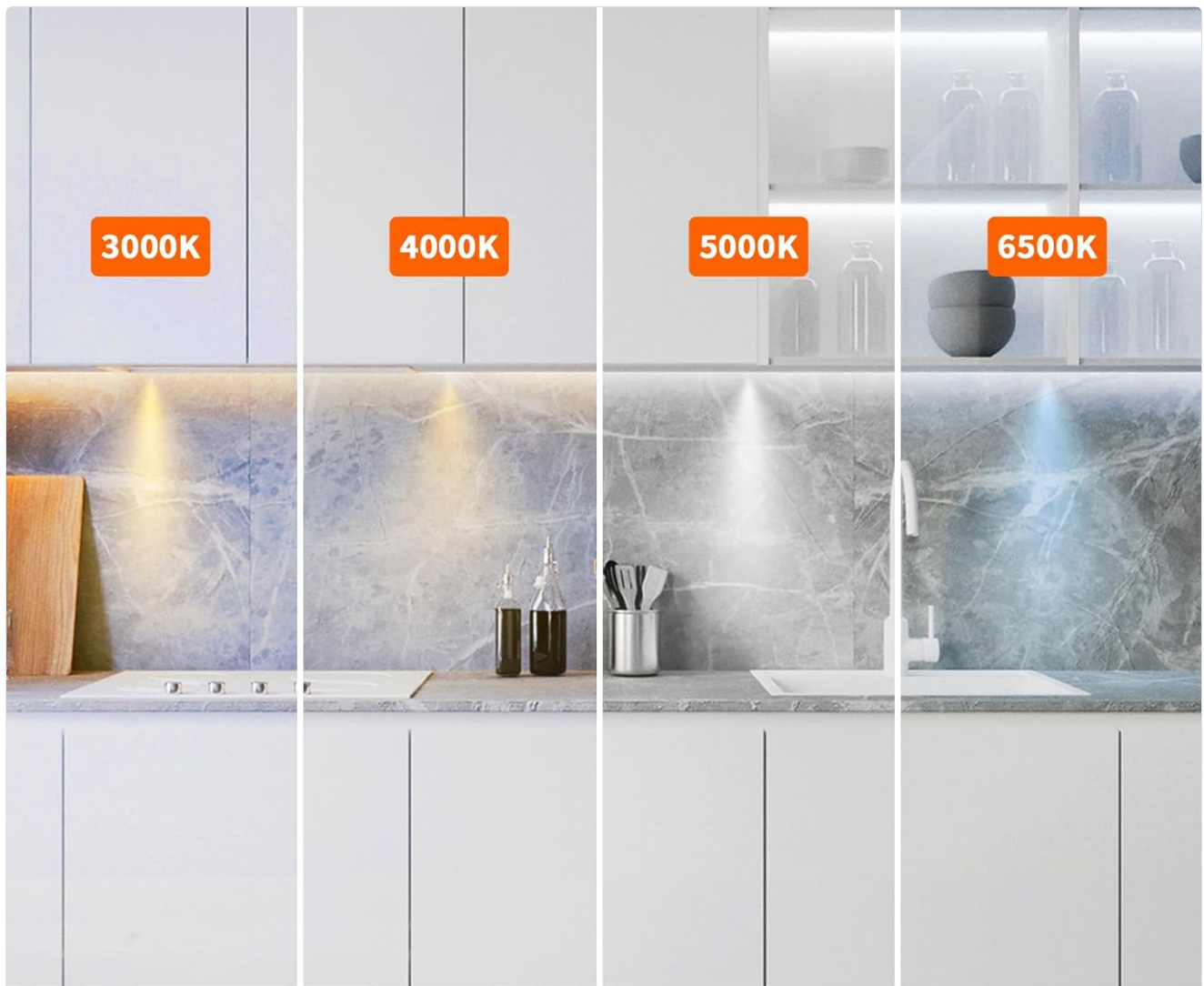
### 3. Voice Control (Alexa, Google Assistant)

After successful pairing with the Tuya Smart app, you can link your lighting system to Amazon Alexa or Google Assistant for voice commands.

1. **Link Accounts:** In the Alexa or Google Home app, enable the "Tuya Smart" skill and link your Tuya account.
2. **Discover Devices:** Ask Alexa or Google Assistant to "discover devices" or manually add them in the app.
3. **Voice Commands:**
  - "Alexa, turn on/off the kitchen lights."
  - "Hey Google, set the kitchen lights to warm white."
  - "Alexa, dim the kitchen lights to 50%."

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Video: This video demonstrates how to connect the VST Smart Under Cabinet Lighting to Amazon Alexa and control it using various voice commands for turning on/off, changing color temperature, and adjusting brightness.



**3000K-6500K**

**Color Temperature Stepless Change  
You can choose your favorite color!**

Image: This image highlights the APP and Voice control capabilities. It shows a smartphone screen with the Tuya app interface for adjusting color temperature and brightness, alongside an Amazon Echo device responding to voice commands for light control.

## KEY FEATURES

- **Adjustable Color Temperature:** Seamlessly change between 3000K (warm white) and 6500K (cool white) to suit your preference or activity.
- **Dimmable Brightness:** Adjust light intensity from 10% to 100% for optimal illumination.
- **High Color Rendering Index (CRI):** CRI  $\geq$  90 ensures colors appear vibrant and true to life.
- **Energy Efficient:** Each puck light consumes only 1.8 watts while providing 160 lumens of light.
- **Flicker-Free Operation:** Advanced chip-on-board (COB) technology provides smooth, flicker-free lighting without noise.

# Smart 3-in-1 Control

Enjoy uncomplicated operation, three different ways, from virtually anywhere - no hub required



**APP**

Create groups, set routines, and change light colors



**VOICE**

Use pre-set commands or create your own in the app



**MANUAL**

Push-button or hands-free motion sensor control



"Hey Siri, turn on cabinet lights."

"Ok Google, dim cabinet lights."

"Alexa, change cabinet lights to bright white."



Image: Four panels demonstrating different color temperatures (3000K, 4000K, 5000K, 6500K) of the under cabinet lights in a kitchen setting, illustrating the stepless change capability.

**CRI < 90**

**CRI ≥ 90**



**See colors the way they  
are supposed to be.**



Image: An illustration showing the dimming capability of the lights, transitioning from 10% brightness to 100% brightness in a cabinet setting.



See colors the way they are supposed to be.

Image: A comparison showing the difference in color vibrancy under lighting with CRI < 90 versus CRI ≥ 90, emphasizing that the VST lights provide superior color accuracy.

## MAINTENANCE

To ensure optimal performance and longevity of your VST Smart Under Cabinet Lighting:

- **Cleaning:** Gently wipe the lights with a soft, dry cloth. Avoid using abrasive cleaners or solvents that may damage the finish or electronic components.
- **Power Disconnection:** Always disconnect power before performing any cleaning or maintenance.
- **Environmental Conditions:** This product is designed for indoor use only. Avoid exposure to excessive moisture or extreme temperatures.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Lights do not turn on.	No power, loose connection, faulty component.	Check power outlet. Ensure all cables are securely connected. Verify power adapter is functioning.
APP control not working.	Incorrect Wi-Fi, pairing issue, app malfunction.	Ensure your Wi-Fi is 2.4GHz. Re-pair the device with the Tuya Smart app. Restart the app and your router.
Voice control not responding.	Alexa/Google Assistant not linked, device not discovered.	Verify Tuya Smart skill is enabled and accounts are linked in Alexa/Google Home app. Ask to "discover devices" again.
Handwave control is inconsistent.	Sensor obstruction, incorrect gesture.	Ensure the sensor is clear of obstructions. Use a clear, deliberate handwave motion.
Lights flicker or make noise.	Power supply issue, faulty light.	Check power connections. If problem persists, contact customer support.

## SPECIFICATIONS

Feature	Detail
Brand	VST
Model Name	PL05-Smart-CC-B
Item Model Number	PL05
Color	Black
Material	Metal, Plastic
Light Fixture Form	Puck
Product Dimensions	2.56"L x 0.3"W x 2.56"H
Power Source	Corded Electric
Voltage	12 Volts (DC)
Wattage (per light)	1.8 watts
Brightness (per light)	160 Lumens
Light Color	Warm White/Cool White
Color Temperature	3000K - 6500K (Adjustable)
Control Method	App, Hand Wave, Voice (Alexa, Tuya)

Feature	Detail
Connectivity Protocol	Wi-Fi (2.4GHz), Infrared
Installation Type	Flush Mount, Surface Mount
Indoor/Outdoor Usage	Indoor use only
Number of Lights	6
Item Weight	1.52 Pounds
Certification	CE

## WARRANTY INFORMATION

VST provides a **2-year warranty** for this lighting system. The product is designed for a lifespan of 3-5 years under normal usage conditions. For any warranty claims or questions regarding installation and after-sale support, please contact VST customer service.

## CUSTOMER SUPPORT

For technical assistance, troubleshooting, or any inquiries about your VST Smart Under Cabinet Lighting, please visit the official VST Store or contact their customer service directly.

**VST Store:** [Visit VST Store on Amazon](#)