



# Smart LED Under Cabinet Lighting

## USER GUIDE



# Thank You for Choosing Black+Decker!



Save this user guide for future reference.  
Please read this user guide before returning this product for any reason.

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# Safety Guidelines

It is important for you to read and understand this manual. The information it contains relates to protecting **YOUR SAFETY** and **PREVENTING PROBLEMS**. The symbols below are used to help you recognize this information.

**⚠ DANGER:** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury and/or property damage.

**⚠ WARNING:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury and/or property damage.

**⚠ CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury and/or property damage.

**NOTICE:** Used without the safety alert symbol indicates potentially hazardous situation which, if not avoided, may result in property damage.

**⚠ WARNING:** To reduce the risks associated with impact and hazardous voltage which, if not avoided, could result in death or serious injury and/or property damage:

- Use indoors and in dry locations only; keep all liquids away from the light
- Avoid putting the light on an uneven surface to prevent toppling or damage
- Do not alter or modify the light, ground plug, or polarized plug blades
- Do not use light with other adapters or voltage supplies
- Plug the light into grounded, polarized electrical outlet; contact a qualified electrician if a polarized outlet is not available
- Do not use the light if the power cord or the enclosure is damaged
- If an extension cord is used, ensure that it is properly rated for your application
- Do not attempt to disassemble light; product is to be serviced by qualified service personnel only—there are no user serviceable parts inside
- Always power off and unplug light before cleaning
- Clean exterior only with a dry, clean cloth; do not immerse light in water to clean
- Do not use force when adjusting light
- Do not insert objects into light
- If any irregularities are detected during use, turn off the switch and unplug the light

**⚠ WARNING:** To reduce the risks associated with excessive heat and fire which, if not avoided, could result in death or serious injury and/or property damage:

- Avoid usage in high temperature areas (104°F/40°C).
- Avoid putting light next to heater.
- Lights should not be covered with flammable objects (cloth, paper, etc.).

**⚠ CAUTION:** To reduce the risks associated with environmental contamination which, if not avoided, could result in minor or moderate injury:

- Dispose of task lights in accordance with applicable local government regulations.

**⚠ WARNING:**

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

**INTENDED USE:** BLACK+DECKER® LED Under Cabinet Lights are intended to provide task lighting indoors. Use in any other application has not been evaluated and may lead to an unsafe condition.

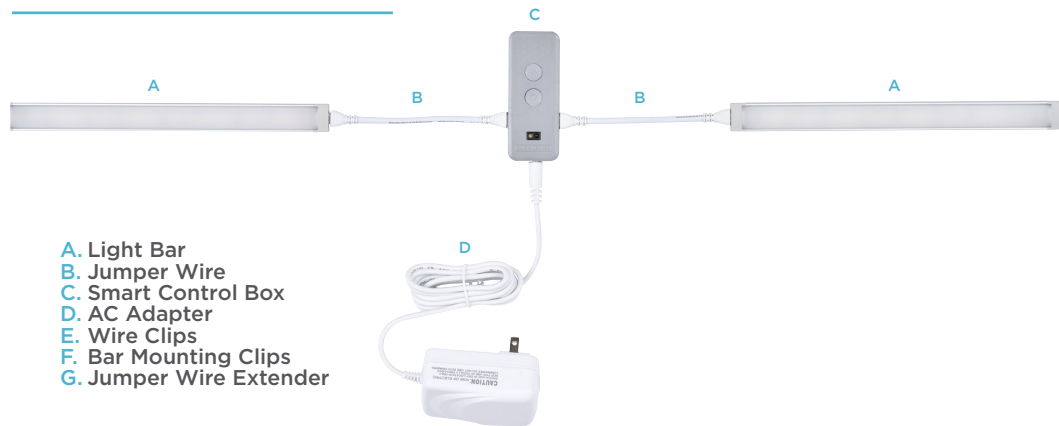
**POLARIZED PLUGS:** Polarized plugs (one blade is wider than the other) are used on equipment to reduce the risk of electric shock. When provided, this plug will fit a polarized outlet in only one way.

**⚠ WARNING:** If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

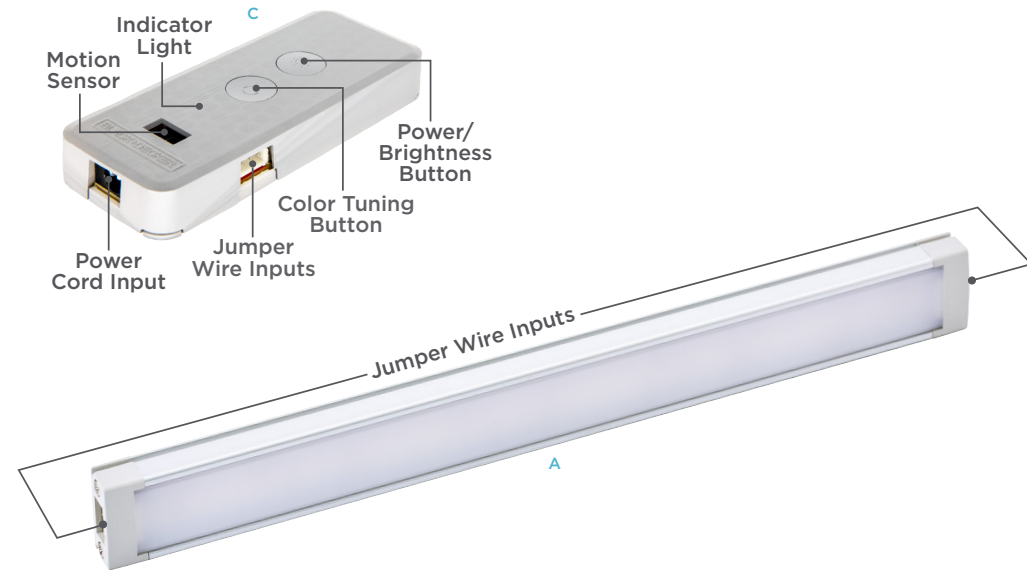
**POWER ADAPTER STANDARDS:** Input — AC 100-120V 60Hz 32W; Output — DC 24V 1A

If you have a question or experience a problem with your Black+Decker purchase, go to [PureOpticsLED.com/Support](https://PureOpticsLED.com/Support). If you can't find the answer or do not have access to the internet, call 1-855-784-4322 from 8 a.m. to 5 p.m. Monday – Friday to speak with an agent. Please have the catalog number available when you call. To find the catalog number, please refer to product packaging.

## What's in the Box



- A. Light Bar
- B. Jumper Wire
- C. Smart Control Box
- D. AC Adapter
- E. Wire Clips
- F. Bar Mounting Clips
- G. Jumper Wire Extender



For a full list of contents for your kit, please refer to [PG. 18.](#)



# Plan Your Layout



This symbol indicates a tip to help during installation.



This under cabinet lighting was designed for an entirely tool-free application. However, for certain installation options, tools may be required. These will be indicated by the drill symbol.

To find the ideal way to configure your lighting, we recommend planning your layout prior to installation. Use the steps below to get started.

## 1. Choose your outlet and control box location

- The control box should be located in the front corner of an easily accessible cabinet and must be be within 6' of a power source.
- If using a power source located inside of a cabinet, you will need to route the wires through the cabinet walls ([See Routing Wires - PG. 7](#)).

## 2. Based on your plug location, you will either use a split or continuous configuration

- **Split:** For layouts where preferred power source is centrally located within cabinets or mounting surfaces (See FIG 1), link light bars and jumper wires using the left and right sides of the control box. (See FIG. 2.1)
- **Continuous:** For layouts where preferred power source is on either side of cabinets or mounting surfaces (See FIG 1), link light bars and jumper wires using the left or right side of the control box. (See FIG. 2.2)

## 3. Lay a light bar on the counter under each cabinet you wish to install a light bar



Each 9" light bar illuminates up to 36" and is linkable up to 6 bars

Each 18" light bar illuminates up to 42" and is linkable up to 4 bars

Each 24" light bar illuminates up to 48" and is linkable up to 3 bars

**Note:** If you mix and match bar lengths, check the wattage on each bar and never exceed 24 total watts of power consumption

## 4. Lay your jumper wires on the counter in between the light bars you will be connecting



If you need to jump a sink or stove, use a jumper wire extender to create additional length. If you need additional length, a 108" Stove & Sink Jumper Wire ([LEDJUMP108](#)) is available for purchase.



FIG. 1



FIG. 2.1



FIG. 2.2

— Split configuration

— Continuous configuration

# Routing Wires

For the cleanest installation for your cabinet type, we recommend routing wires using the tips below. Be sure to use the provided wire clips and zip ties as needed.

## Frameless Cabinets



💡 Run connector wires towards the back of cabinet frames to hide the wires and secure with wire clips.

## Framed Cabinets



💡 Loop any excess wire at the back of the cabinet joint. If there is space between two side-by-side cabinets, hide excess wire in the opening.

## Running Wires Through Cabinets



💡 You can run wires through a cabinet's walls using a power drill and the bits noted below.



💡 You can run wires through a cabinet's frame using a power drill and the bits noted below.

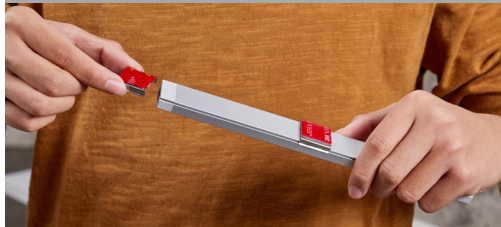
**Jumper Wires:** To feed any size jumper wire through a cabinet, use a 1/2" drill bit  
**AC Adapter Wire:** To feed the AC adapter wire through a cabinet, use a 3/8" drill bit

# How to Install

1. Mount control box in desired location



2. Slide two bar mounting clips onto each light bar



3. Using the provided mounting spacer, mount bar lights and hold in place for 10 seconds



4. Using jumper wires, connect the control box to the first light bar(s) and light bars to each other.



[See Routing Jumpers Wires section for tips \(PG. 7\)](#)

5. Connect the AC adapter cord to the control box



6. Route and hide wires as desired using wire clips and/or zip ties (See Routing Wires Section PG. 7)



7. Plug in your AC adapter to the power source



For troubleshooting and support, scan code or visit [PureOpticsLED.com/Support](https://PureOpticsLED.com/Support).

# Connecting to Alexa™

To enable voice and app control, pair the control box to Alexa™ using the following steps. Note: If you are already an Alexa™ user, you may be prompted to connect automatically.

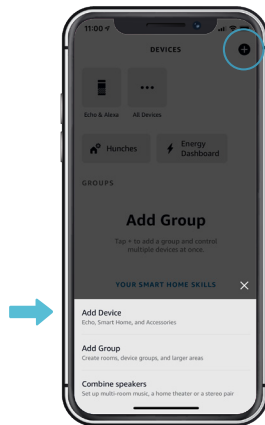
**STEP 1:** Plug the power cord into the control box. Once connected, the red Wi-Fi light will begin to blink which indicates the device is now in PAIRING MODE. The red light will blink for approximately five minutes. After the light stops blinking, the device will no longer be in pairing mode.



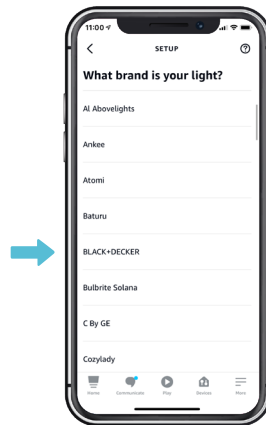
💡 To restart PAIRING MODE, unplug the power cord then reconnect your power cord to your control box.

Note: If you are already an Alexa™ user, you may be prompted to connect automatically.

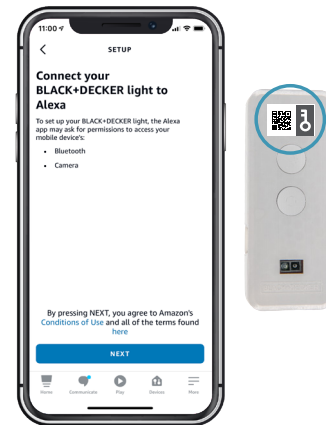
**STEP 2:** Open your Alexa™ App, select Devices, and select the "+" button to "Add Device"



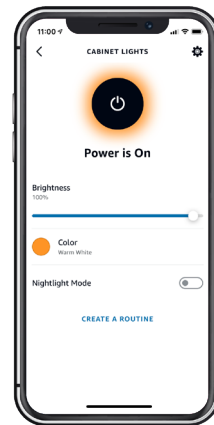
**STEP 3:** Select "Light" > "Black+Decker"



**STEP 4:** Scan QR code on the control box

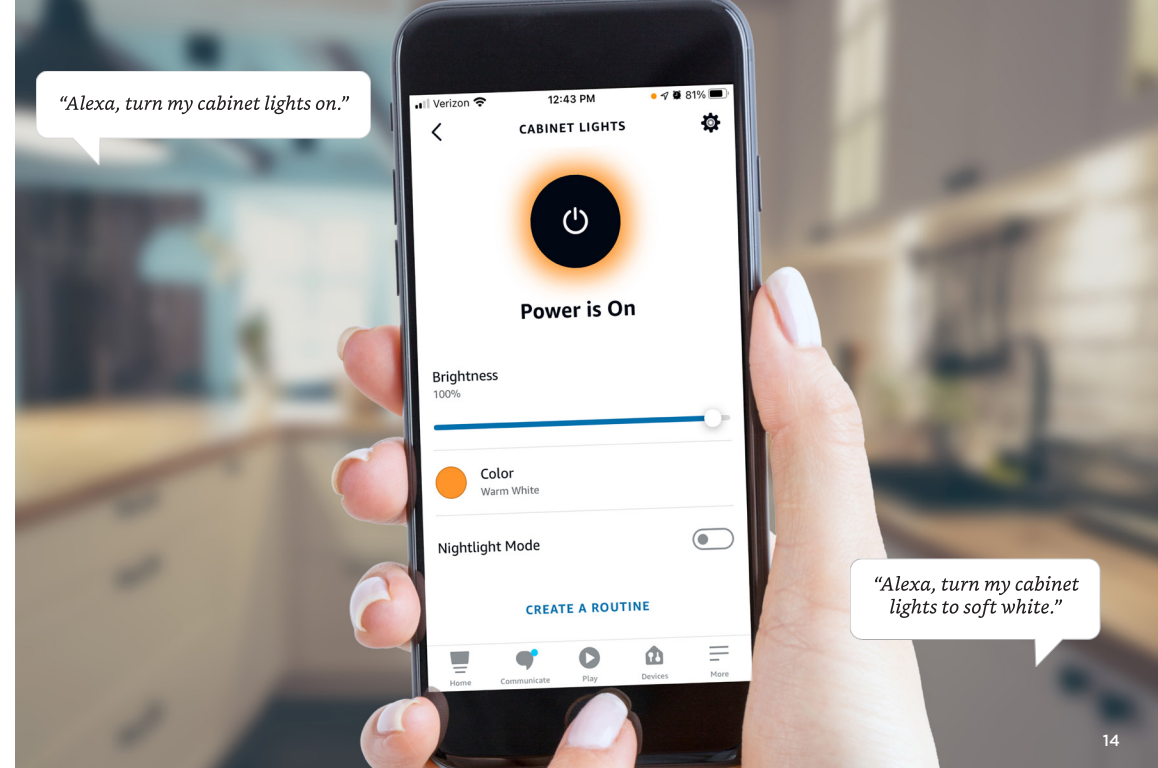


**STEP 5:** Your device is now paired. The red light should be off.



# How to Use

	VOICE COMMANDS	ALEXA™ APP CONTROL	PRODUCT OPERATION
<b>POWER CONTROL</b>	"...turn my cabinet lights on." "...turn my cabinet lights off."	Yes	Push power button or wave hand within 2" of motion sensor
<b>COLOR TUNING</b> Soft White (3000K) White (4000K) Daylight (5000K)	"...turn my cabinet lights to soft white." "...turn my cabinet lights to white." "...turn my cabinet lights to daylight."	Yes	Press the color tuning button to toggle between temperature settings
<b>DIMMING</b> 10% - 100%	"...dim my cabinet lights." "...dim my cabinet lights to X%" (10%-90%) "...turn cabinet lights to 100%."	Yes	Press and hold power button to switch between 10 presets
<b>NIGHTLIGHT MODE</b> 30% Brightness, 5-Hour Timer	"...enable night mode on cabinet lights." "...disable night mode on cabinet lights."	Yes	No





# Alexa™ Functionality

Streamline devices and simplify your daily routines by incorporating your under cabinet lighting into Alexa's native functionality.

## Routines

Tie multiple actions into a simple voice command or automate tasks without speaking at all based on schedules, locations, and more.



*"Alexa, let's cook."*

Under cabinet lights power on;  
natural daylight temperature;  
full temperature

Echo Dot™ plays,  
"Italian Cooking Music"

*"Alexa, good morning."*

Under cabinet lights power on;  
warm light temperature;  
20% brightness

Coffee maker turns on

## Groups

Pair with other smart devices in the room for easy control.



*"Alexa, turn on the kitchen."*

Under cabinet lights power on  
Overhead light turns on

# Specifications

	1-Cabinet Smart LED Lighting Kit LEDUC9-1CCT-ACK	3-Cabinet Smart LED Lighting Kit LEDUC9-3CCT-ACK	6-Cabinet Smart LED Lighting Kit LEDUC9-6CCT-ACK	18 in. Smart LED Lighting Kit LEDUC18-1CCT-ACK	24 in. Smart LED Lighting Kit LEDUC24-1CCT-ACK
Watts Per Bar	4	4	4	5.8	7.6
Color Tuning Range	3000K 4000K 5000K	3000K 4000K 5000K	3000K 4000K 5000K	3000K 4000K 5000K	3000K 4000K 5000K
CRI	84	84	84	84	84
Lumen Output 3000K	320	320	320	480	580
Lumen Output 4000K	327.5	327.5	327.5	429.5	626
Lumen Output 5000K	335	335	335	505	672
Efficacy	84	84	84	87	88

# Contents

	1-Cabinet Smart LED Lighting Kit LEDUC9-1CCT-ACK	3-Cabinet Smart LED Lighting Kit LEDUC9-3CCT-ACK	6-Cabinet Smart LED Lighting Kit LEDUC9-6CCT-ACK	18 in. Smart LED Lighting Kit LEDUC18-1CCT-ACK	24 in. Smart LED Lighting Kit LEDUC24-1CCT-ACK
Light Bar	1	3	6	1	1
Control Box	1	1	1	1	1
4" Jumper Wire	1	3	3	1	1
12" Jumper Wire	1	1	1	1	1
30" Jumper Wire	1	2	5	1	1
72" Jumper Wire	0	0	1	0	0
AC Adapter	1	1	1	1	1
Bar Clip	4	10	18	4	4
Wire Clip	6	12	22	6	6
Jumper Extender	1	1	2	1	1
Mounting Screw	8	18	30	8	8



# Three-Year Limited Warranty

Goods iQ warrants to the original retail purchaser that the product purchased is free from defects in material and workmanship, and agrees to repair or replace, at Goods iQ's option, any defective BLACK+DECKER™ branded under cabinet lighting product (3) years from the date of purchase. Warranty is not transferable. Proof of purchase date required. This warranty covers only damage resulting from defects in material or workmanship; it does not cover conditions or malfunctions resulting from normal wear, neglect, abuse, accident, or repairs attempted or made by other than our national repair center or authorized warranty service centers. You are responsible for the costs of shipping the defective product to Goods iQ.

THIS WARRANTY IS THE EXCLUSIVE WARRANTY OF GOODS IQ, AND IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURCHASE. GOODS IQ SHALL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

Some states and countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state and country to country. For information on our warranty claim procedure, please contact us at 855-784-4322.

Latin America: This warranty does not apply to products sold in Latin America. For products sold in Latin America, check country specific warranty information contained in the packaging, call the local company, or see the website for warranty information.

To register your new product visit: [PureOpticsLED.com/New-Product](https://PureOpticsLED.com/New-Product)  
For product support visit: [PureOpticsLED.com/Support](https://PureOpticsLED.com/Support)  
Support contact number: 1-855-784-4322



This device contains FCC ID: 2AC7Z-ESP32PICOZERO

This device complies with FCC Part 15B. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This device complies with the FCC radiation exposure limits set forth in an uncontrolled environment.

This device should be installed and operated with a minimum distance of 20cm between the equipment and the user's body.

Manufactured by:

Goods iQ, North Kingstown RI 02852

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