cabLED™

C8K Series User Manual

Flexible Linear Lighting System
The versatile indoor and outdoor water resistant lighting solution.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: A WARNING alerts you to the possibility of serious injury or death if you do not follow the instructions.

CAUTION: A CAUTION alerts you to the possibility of damage to or destruction of the equipment if you do not follow the instructions.

IMPORTANT: An IMPORTANT alerts you to follow the instructions listed to avoid the possibility of installation error or possible damage to or destruction of the product.

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

ELECTRICAL RATING

To avoid any malfunctions of the system, and to protect against electrical shock, fire or physical injury, please observe the following:

- This system has been designed to work with 100-240 volt AC current. Connection to a line voltage other than that may create a safety and fire hazard and may damage the system. If you are unsure of the type of power supply to your home, consult your local power company or a qualified service technician.

When using electrical products, basic precautions should always be followed including the following electrical ratings for models listed below:

C8K-18-CW / C8K-18-WW : 120 V, 0.5 A
C8K-30-CW / C8K-30-WW : 120 V, 0.5 A

C8K-60-CW / C8K-60-WW : 120V, 1.0 A

GROUNDING INSTRUCTIONS

- This product must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.
- WARNING – Improper connection of the equipment-grounding conductor is able to result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded.

WARNING – When using outdoor use portable lighting products, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:

Read all instructions.

- Ground Fault Circuit Interrupter (GFCI) protection should be provided on the circuits or outlet to be used for the outdoor use flexible lighting product. Receptacles are available with built-in GFCI protection for this measure of safety. If you are unsure of the type of outlet, consult a qualified service technician to install a GFCI receptacle.
- Use only outdoor extension cords, such as types SW, SOW, STW, STOW, SJW, SJOW, SJTW, or SJTOW.

Model Numbers: C8K-18-CW, C8K-30-CW, C8K-60-CW, C8K-18-WW, C8K-30-WW, C8K-60-WW.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: Risk of fire and electric shock. Uncoil flexible CabLED light strip prior to plugging into receptacle.

POWER SOURCE

- Do not modify the plug provided with the product – If it will not fit the outlet, have a proper outlet installed by a qualified electrician.

Damaged or deformed power cords are hazardous and should be replaced immediately by a qualified service technician.

OPERATION

- Do not operate with the flexible light tightly coiled.
- Unplug the unit and the AC power adapter from the electrical outlet during electrical storms or when unused for long periods of time to prevent damage.
- For outdoor use units, make sure that all connections and the end cap in the last segment are tightly secured to preclude the entry of water.
- Do not exceed the recommended length of CabLED strip listed for each power supply.
- Do not look directly into the LED lights when lit. They are powerful and could damage your vision.

LOCATION

- Place power supply well above the ground or in an area they will NOT be submerged in water or other liquids.
- The CabLED strip and components are rated IP65, weather proof only. Do not submerge the CabLED strip or components in liquids, or use the product in the vicinity of standing water or other liquids.
- Keep all components away from extreme heat sources such as heating vents, radiators, electric heaters and fire pits.
- Do not cover this product as the covering may cause the strip to overheat and melt or ignite.
- Do not submerge the flexible light in liquids, or use the product in the vicinity of standing water or other liquids.
- Do not route the cord or flexible lighting through walls, doors, windows or any like part of the building structure.
- Place CabLED strip so it will not shine directly into people's eyes.

INSTALLATION

Safety measures must be observed at all times during the installation of this product. Use proper safety gear and tools during the installation process to prevent physical injury.

- Products should be installed in accordance with the user manual, current electrical codes and/or the current National Electric Code (NEC). Improper installation may cause a possible shock or fire hazard.
- To avoid electrical shock and/or damage to the system, do not handle the components with wet hands.
- Always make sure the CabLED strip is disconnected from the power source before cutting, connecting, mounting or modifying in any way. Do NOT dismantle the CabLED strip itself.
- Do not coil the strip into a tight circle with a diameter less than 8 inches (20cm) or bend it in half as it may damage the LEDs embedded in the strip.
- Do not subject the flexible CabLED strip to continuous flexing.

IMPORTANT SAFETY INSTRUCTIONS

IMPORTANT: BEFORE YOU BEGIN, MAKE SURE YOU CAREFULLY READ AND UNDERSTAND THE INSTRUCTIONS IN THIS MANUAL.

INSTALLATION (CONTINUED)

- Do not use if there is any damage to the CabLED strip, power cord or any of the components. Inspect periodically.
- CabLED strip can only be cut at every 7.09 inches (18cm) and must be cut exactly on the indicated mark.
- Do not puncture, shorten, or splice the flexible lighting. Only cut the CabLED strip where indicated.
- Create a layout plan before installation. Follow steps to locate power supply and determine suitable mounting methods and required connectors and accessories. Measure and calculate the required length of CabLED before beginning installation.
- CabLED connectors have sharp pins inside. Follow instructions when handling.
- Use only CabLED connectors, mountings and power supply. Carefully follow the instructions to install and mount.
- Secure this flexible strip using only the CabLED connectors and mounting solutions provided. Do not secure this product or its cord with staples, nails, or like means that may damage the insulation.

CLEANING

- Clean only with a dry or slightly damp cloth. Do not use any acid or alkaline liquids, cleansing agents or solvents. Unplug the system from the wall outlet before cleaning.

NON-USE PERIODS

When left unused for long periods of time, the system should be unplugged from the AC outlet.

SERVICE

Always remove the AC power adapter from the electrical outlet before adjusting or inspecting the system. Inspect your system periodically.

- Do not open, dismantle or attempt to repair the CabLED strip or the bottom half of the connectors. There are no user-serviceable parts.
- Do not open the cabinets of accessories or power supply. There are no user-serviceable parts. Opening the cabinets may present a shock hazard, and any modification to the product will void your warranty.
- Do not attempt to service the components yourself. If water or any metal objects such as paper clips, wire or staples accidentally fall inside, then disconnect from the power source immediately and consult an authorized service center.

SAVE THESE INSTRUCTIONS

Table of Contents

Introduction

IMPORTANT: BEFORE YOU BEGIN, MAKE SURE YOU CAREFULLY READ AND UNDERSTAND THE INSTRUCTIONS IN THIS MANUAL.

About CabLED™ 8000 Series

The CabLED 8000 Series consists of five components, which may be combined to customize each application. All components are rated IP65, suitable for indoor or outdoor installations.

LED Strip	The flexible CabLED strip uses CREE High Brightness LED lights. They are set every inch and can be cut every 7.09 inches (18cm) up to lengths of 82 feet (25m). The strips are available in Cool White (6500K), a bright, bluish white generally used for task lighting and Warm White (3500K) a yellowish white more commonly used in living spaces.
Connectors	A variety of easy-to-use connectors are designed for specific uses in different installations. The connectors are used to attach sections of CabLED strip together at virtually any angle to form endless configurations, as well as connect the strip to the power supply.
Accessories	• The Inline On/Off Dimmer Switch is mounted with your system, adding dimmer and power functions when connecting to an outlet not controlled by a light switch. It offers full dimming range, fades the CabLED system on and off, and retains last dimming level selected with a simple push of buttons. • The RF Light/Motion Sensor has a fully weather-resistant case to protect it from the elements. It automatically activates the CabLED system when something moves within 50 feet (15m) of the sensor. It is also equipped with a photocell that detects light and can be set to turn the system on when it's dark or only when it detects motion. The system will automatically turn off when it no longer detects motion for the length of time you specify, between 30 seconds and 30 minutes. It comes with a receiver. • The RF Remote Dimmer offers full dimming range, fades the CabLED system on and off, and retains last dimming level selected with a simple push of buttons on the remote unit. It comes with a receiver with a range of 65 feet (20m).
Power	Every installation requires a CabLED power supply. There are twenty 24 volt power supplies available for installations worldwide. The available power supplies are separated by suitable plugs for each region. After identifying the correct region, determine the length of CabLED strip needed to select the correct power supply for each installation. If you are unsure of the correct voltage, contact a qualified electrician.
Mounting	A choice of six mounting solutions are available.

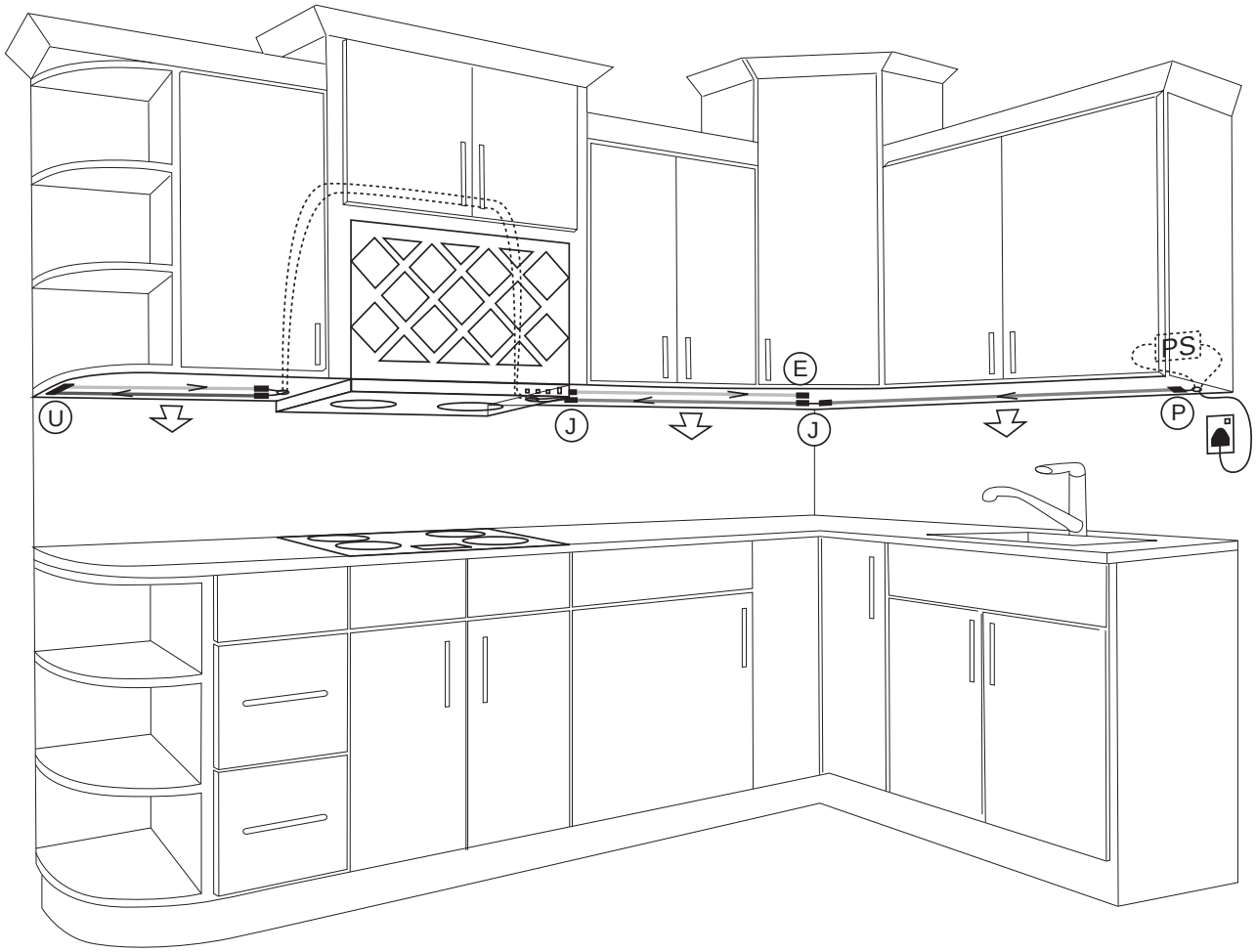
Possible Applications

Kitchen Cabinets

In this scenario, the power supply is connected to an AC outlets connected to a light switch. We have used two strips in work areas that require more light joined with a U-Connector at one end and a short Jumper Cable on the other. A longer Jumper Cable is hidden in the cabinet above the stove. The following chart lists the components used for this scenario.

Components

E	End Cap
J	Jumper Cable (There are two lengths used here)
P	PS-Link Connector
PS	Power Supply
U	U-Connector



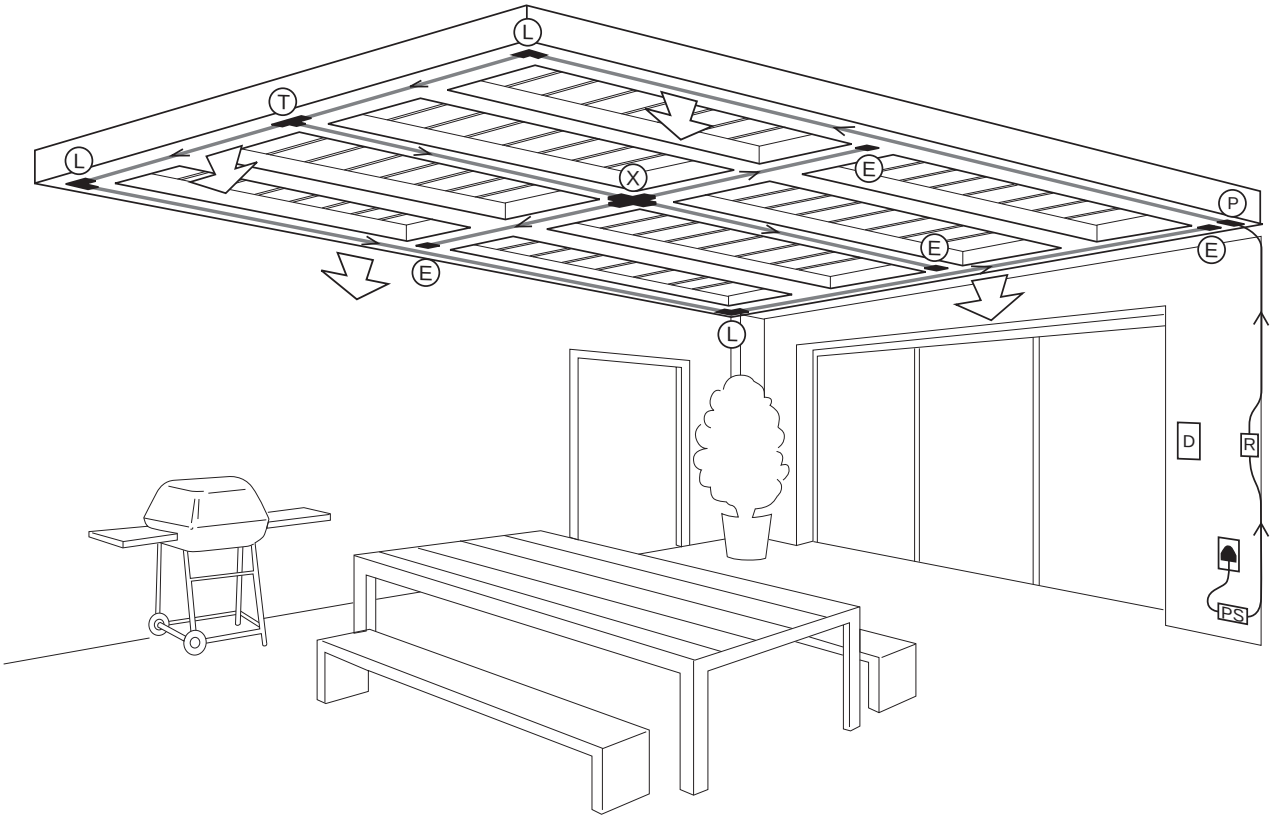
Possible Applications

Patios

This scenario turns your patio into the perfect entertainment area. Adjust the light using the Remote Dimmer. The power supply is mounted well above the ground so it cannot be submerged in water. The following chart lists the components used for this scenario.

Components

D	Remote Dimmer
E	End Cap
L	L-Connector
P	PS-Link Connector
PS	Power Supply
R	Receiver
T	T-Connector
X	X-Connector



Possible Applications

Indoor Stairs

The CabLED strips are mounted under the lip on each step, shining the light down on the step. Use the Inline Dimmer to adjust the light level to keep your stairway softly lit. The Jumper Cables are hidden behind the steps. The following chart lists the components used for this scenario.

Components

E	End Cap
J	Jumper Cable
N	Inline Dimmer
P	PS-Link Connector
PS	Power Supply

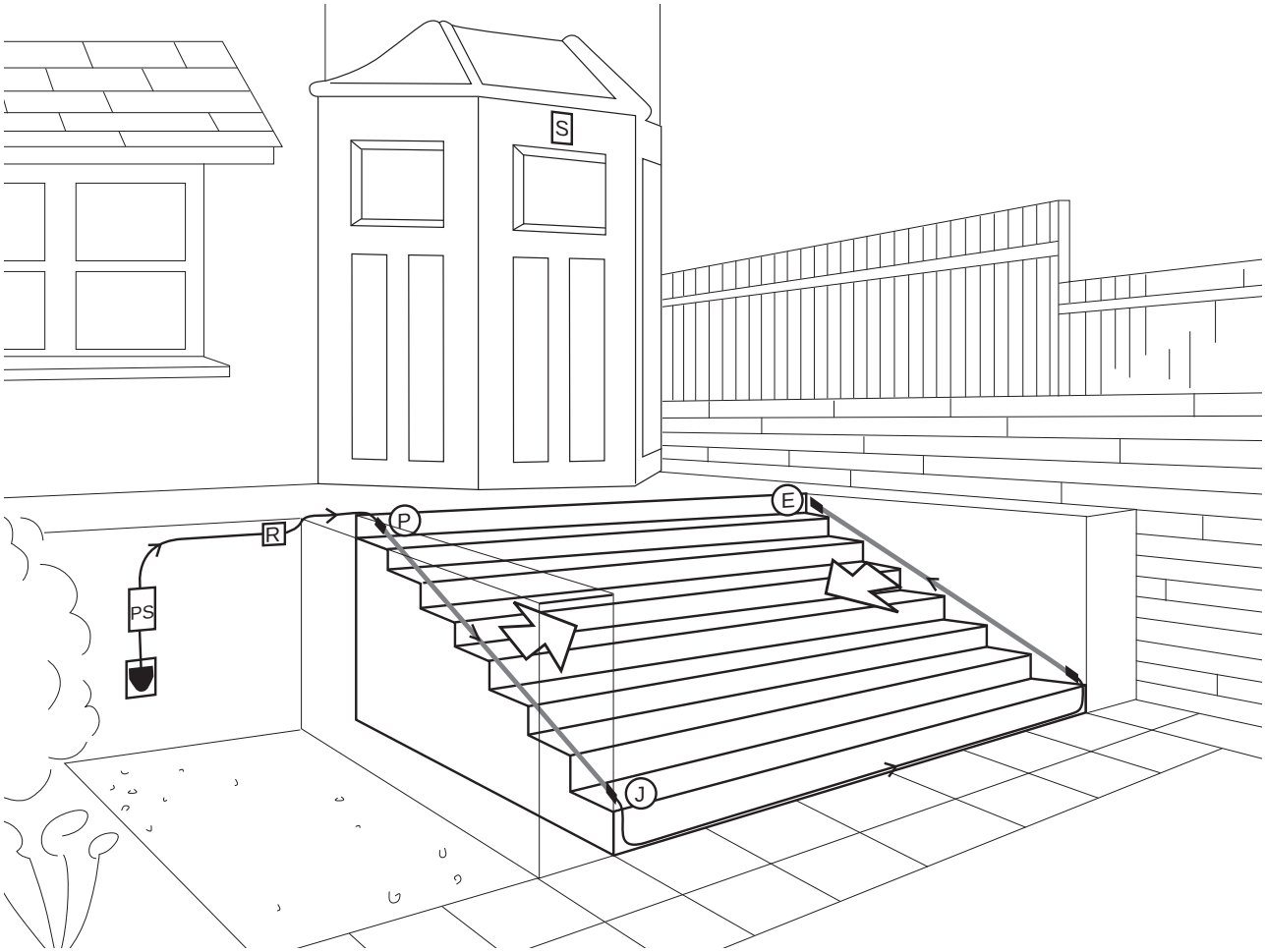
Possible Applications

Outdoor Stairs

In this scenario, we have mounted the Motion Sensor above the door so the stairs will be lit as someone approaches them. The power supply is mounted well above the ground so it cannot be submerged in water. The following chart lists the components used for this scenario.

Components

E	End Cap
J	Jumper Cable
P	PS-Link Connector
PS	Power Supply
R	Receiver
S	Motion Sensor



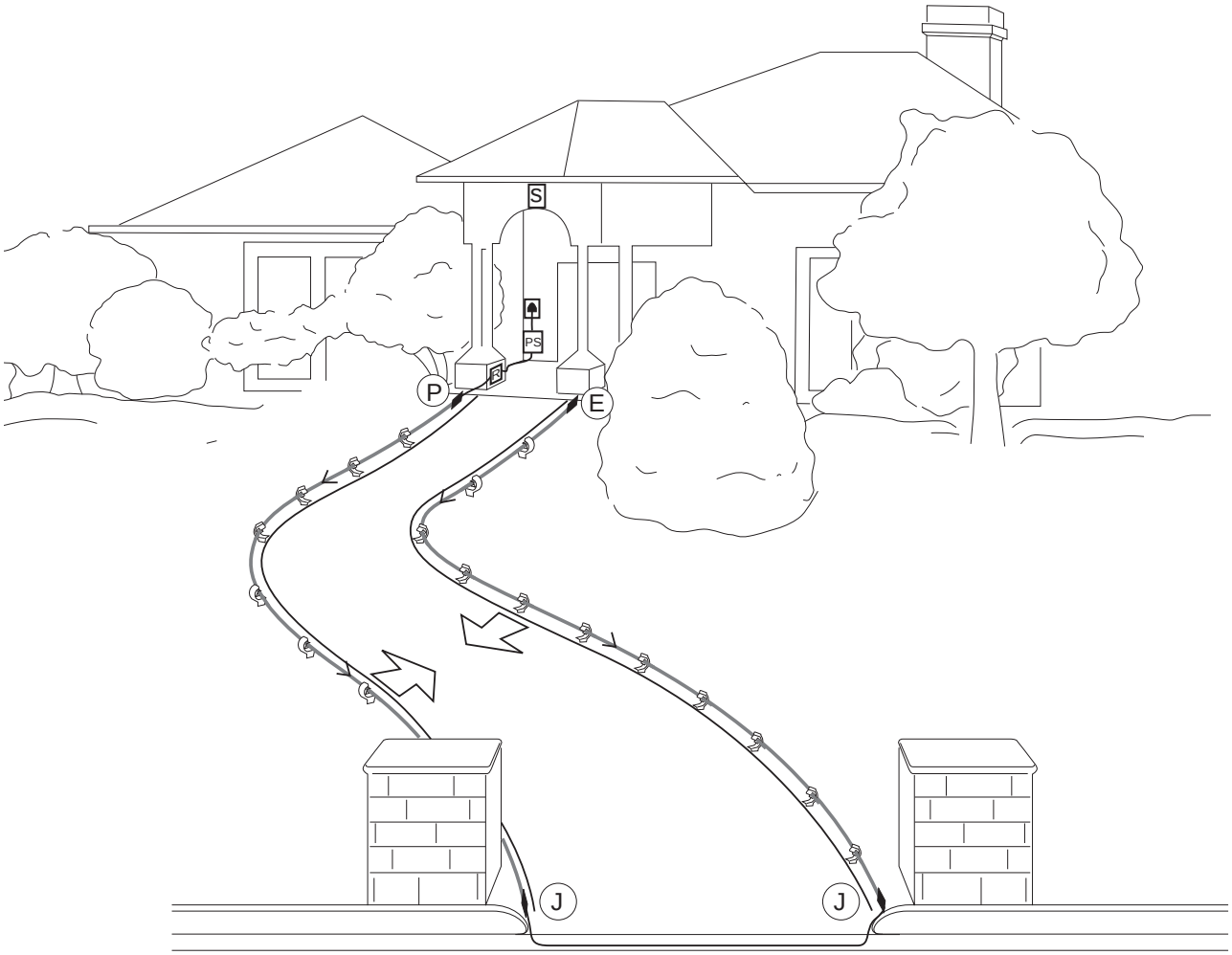
Possible Applications

Walkways

In this scenario, the Motion Sensor at the entrance of the walkway so as guests arrive, their path will be lit. We have used directional Garden Stakes to mount and angle the CabLED to shine the light where it is needed, on the path. The power supply is mounted well above the ground so it cannot be submerged in water. The following chart lists the components used for this scenario.

Components

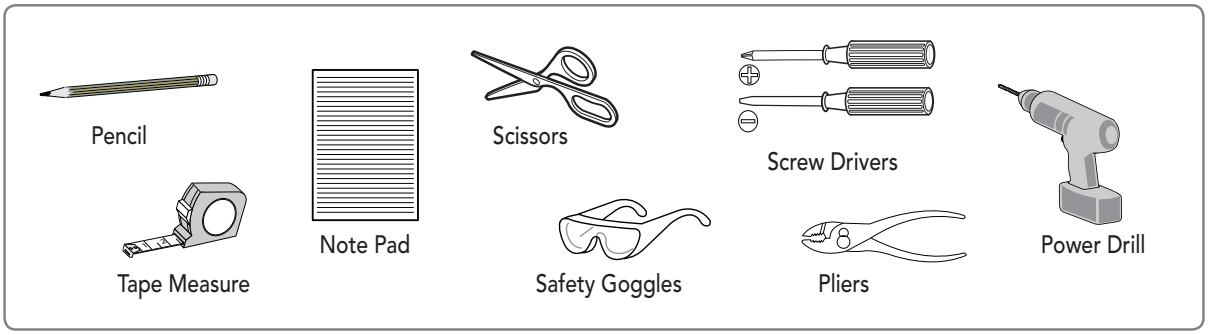
E	End Cap
J	Jumper Cable
P	PS-Link Connector
PS	Power Supply
R	Receiver
S	Motion Sensor



Design Guidelines

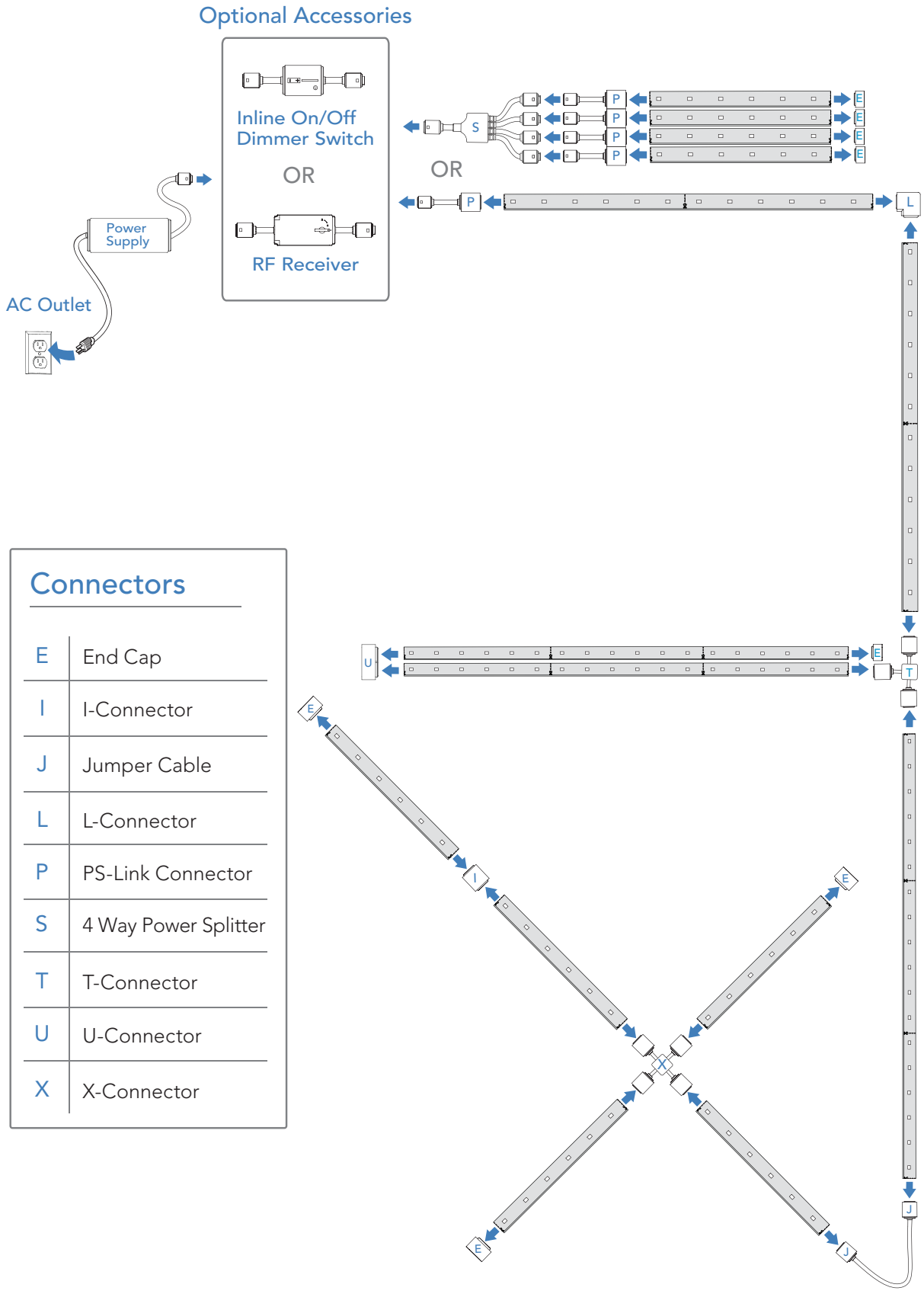
Plan Your Project	All CabLED components are rated IP65 and are designed for both indoor and outdoor use. Decide whether to use Warm or Cool White CabLED or a combination of both colors. Measure the length of each section, rounded off to the nearest 7.09 inch (18cm) interval to determine how much CabLED you will need. Do NOT cut the CabLED or push the connectors together before you are ready to install.
Accessories	For dimming or motion sensor features, select one of the three accessories: the Inline On/Off Dimmer Switch, RF Remote Dimmer or RF Light/Motion Sensor. The Remote Dimmer and Light/Motion Sensor can control up to ten RF Receivers.
Power	Refer to the power supply chart to determine correct power supply. NOTE: Using an insufficient power supply will not light the system to its full potential or may cause it to flicker.
Connectors	Measure each section and adjust your project to determine the connectors you will use. Each connector has been designed for a specific purpose, but you may have a few choices for your particular needs. Use the "Component Layout" section for an overview of the connectors and how they can be used.
Installation	Follow the instructions carefully when cutting CabLED and attaching the connectors. Test your installation before mounting.
Mounting	Use one of the six mounting solutions.
Tips	Use the Trouble Shooting section when you have problems or contact our Customer Service Department.

Tools Needed



CabLED™ Component Layout

This diagram illustrates possible layouts for the CabLED 8000 Series. Refer to the Component Overview for additional information.



Connectors

E	End Cap
I	I-Connector
J	Jumper Cable
L	L-Connector
P	PS-Link Connector
S	4 Way Power Splitter
T	T-Connector
U	U-Connector
X	X-Connector

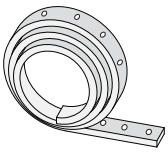
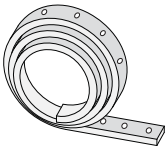
CabLED™ Component Overview

IMPORTANT: The CabLED 8000 system is designed to work ONLY with the power supplies, connectors, mounting options, and accessories listed. Do NOT substitute other products as they may damage your system.

CabLED 8000 Series consists of the following five components, which may be combined to customize each application:

CabLED™ Strip

The flexible LED strip uses CREE High Brightness LED lights set every inch and can be cut every 7.09 inches (18cm).

Model Name/Number	Description
Cool White (6500K) 4037060105 	The Cool White (6500K) LED strip, a bright, bluish white, is often used for task lighting. Each strip is 164 feet (50m) long and may be cut every 7.09 inches (18cm).
Warm White (3500K) 4037050105 	The Warm White (3500K) LED strip, a yellowish white, is commonly used in living areas. Each strip is 164 feet (50m) long and may be cut every 7.09 inches (18cm).

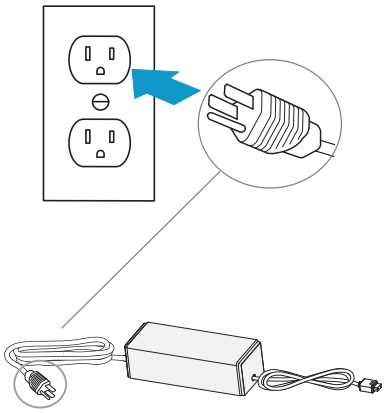
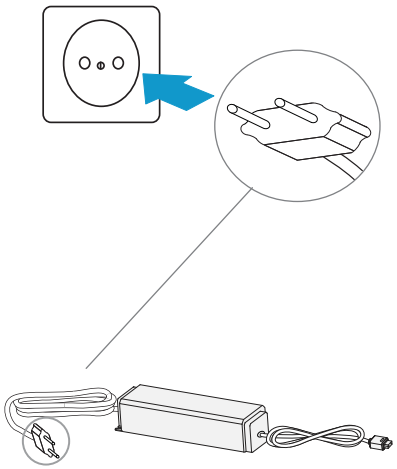
DIY CabLED™ System Kits

Each of the DIY (Do It Yourself) kits include a PS-Link Connector, End Cap, Channel Brackets and a power supply suitable for the length of CabLED strip.

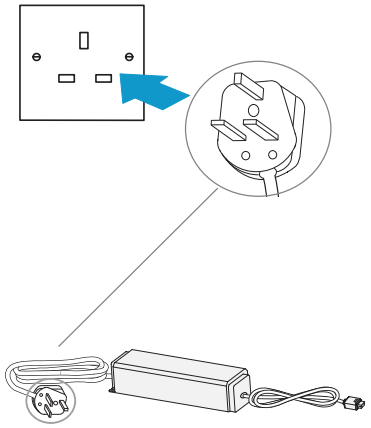
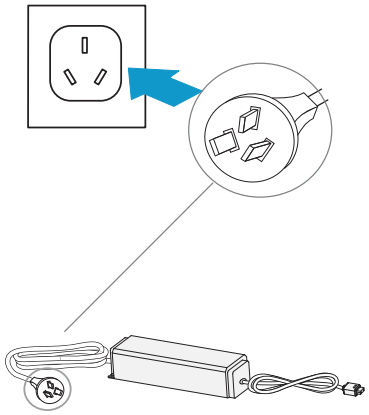
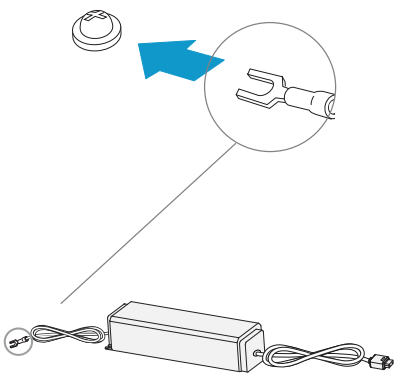
Model Name/Number	Description
System 4.5 WW C8K-18-WW	This kit includes 14.7 feet (4.5m) Warm White CabLED strip, an 18W power supply, PS-Link Connector, End Cap and 15 Channel Brackets.
System 7.5 WW C8K-30-WW	This kit includes 24.6 feet (7.5m) CabLED Warm White strip, a 30W power supply, PS-Link Connector, End Cap and 25 Channel Brackets.
System 15 WW C8K-60-WW	This kit includes 49.2 feet (15m) Warm White CabLED strip, a 60W power supply, PS-Link Connector, End Cap and 50 Channel Brackets.
System 25 WW C8K-90-WW	This kit includes 82 feet (25m) Warm White CabLED strip, a 90W power supply, PS-Link Connector, End Cap and 85 Channel Brackets.

Power Supplies

Every installation requires a CabLED power supply. There are twenty 24 volt power supplies available for installations worldwide. The available power supplies are separated by suitable plugs for each region. After determining the correct region, determine the length of CabLED strip needed to select the correct power supply for each installation.

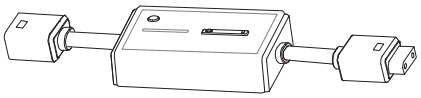
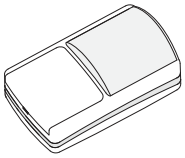
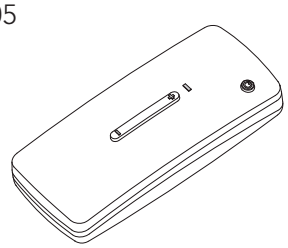
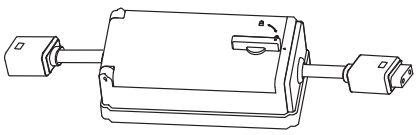
Region/Plug	Model Name/Number	Description
US Polarized 	18 Watt 24V Power Supply 5428101817	Provides power for CabLED strip measuring up to 14.7 feet (4.5m)
	30 Watt 24V Power Supply 5429103017	Provides power for CabLED strip measuring up to 24.6 feet (7.5m)
	60 Watt 24V Power Supply 5430106017	Provides power for CabLED strip measuring up to 49.2 feet (15m)
	90 Watt 24V Power Supply 5431110017	Provides power for CabLED strip measuring up to 82 feet (25m)
EU Grounded 	18 Watt 24V Power Supply 5432101817	Provides power for CabLED strip measuring up to 14.7 feet (4.5m)
	30 Watt 24V Power Supply 5433103017	Provides power for CabLED strip measuring up to 24.6 feet (7.5m)
	60 Watt 24V Power Supply 5434106017	Provides power for CabLED strip measuring up to 49.2 feet (15m)
	100 Watt 24V Power Supply 5435110017	Provides power for CabLED strip measuring up to 82 feet (25m)

Power Supplies (Continued)

Region/Plug	Model Name/Number	Description
UK Grounded 	18 Watt 24V Power Supply 5420101817	Provides power for CabLED strip measuring up to 14.7 feet (4.5m)
	30 Watt 24V Power Supply 5421103017	Provides power for CabLED strip measuring up to 24.6 feet (7.5m)
	60 Watt 24V Power Supply 5422106017	Provides power for CabLED strip measuring up to 49.2 feet (15m)
	100 Watt 24V Power Supply 5423110017	Provides power for CabLED strip measuring up to 82 feet (25m)
AU Grounded 	18 Watt 24V Power Supply 5424101817	Provides power for CabLED strip measuring up to 14.7 feet (4.5m)
	30 Watt 24V Power Supply 5425103017	Provides power for CabLED strip measuring up to 24.6 feet (7.5m)
	60 Watt 24V Power Supply 5426106017	Provides power for CabLED strip measuring up to 49.2 feet (15m)
	100 Watt 24V Power Supply 5427110017	Provides power for CabLED strip measuring up to 82 feet (25m)
EU Open/Grounded 	18 Watt 24V Power Supply 5440101817	Provides power for CabLED strip measuring up to 14.7 feet (4.5m)
	30 Watt 24V Power Supply 5441103017	Provides power for CabLED strip measuring up to 24.6 feet (7.5m)
	60 Watt 24V Power Supply 5442106017	Provides power for CabLED strip measuring up to 49.2 feet (15m)
	100 Watt 24V Power Supply 5443110017	Provides power for CabLED strip measuring up to 82 feet (25m)

Accessories

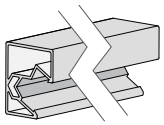
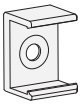
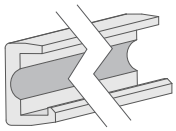
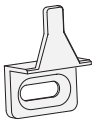
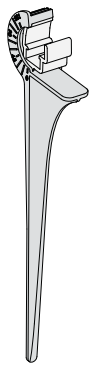
Four IP65 rated accessories are available to enhance your system for either indoor or outdoor use. The RF Light/Motion Sensor and RF Remote Dimmer require at least one RF Receiver to function.

Model Name/Number	Description
Inline On/Off Dimmer Switch 6401403105 	Connects to PS-Link Connector. Offers full dimming range, fades the CabLED system on and off at last selected dimming level.
RF Light/Motion Sensor 6401403205 	Wireless 2.4 GHz Light/Motion Sensor activates CabLED system by sensing motion, light or both. Must be used with at least one RF Receiver and can be synchronized with up to ten RF Receivers.
RF Remote Dimmer 6401403305 	Wireless 2.4 GHz Remote Dimmer fades CabLED system on/off, offers full dimming range and retains last dimming level. Must be used with at least one RF Receiver and can be synchronized with up to ten RF Receivers.
RF Receiver for Dimmer OR Sensor 6401403405 	2.4 GHz RF Receiver connects to PS-Link Connector and can be synchronized with either the Remote Dimmer OR the Light/Motion Sensor.

CabLED™ Component Overview

Mounting Options

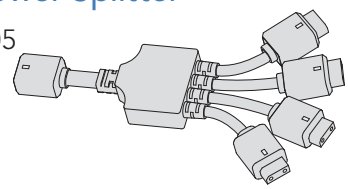
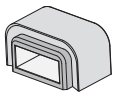
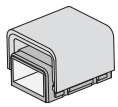
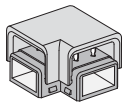
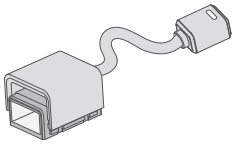
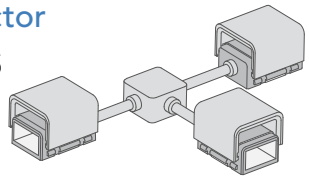
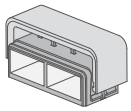
A choice of six types of mounting options are available.

Model Name/Number	Description
Angle Channeling 6401402905 	Angle Channeling fits into the corner of two surfaces and directs the light at a 30 degree angle. You may install it so the light points up or down. CabLED strip snaps securely into Angle Channeling that runs the length of the installation.
Bridge Bracket 6401500205 	Holds CabLED strip securely in place using two screws. NOTE: This bracket is NOT UL approved for USA installations.
Channel Bracket 6401500105 	Used in most applications. It installs easily with one screw and is barely visible after CabLED strip is snapped into place.
Channeling 6401402805 	CabLED strip lies flush and snaps securely into Channeling that runs the length of the installation.
Edge Bracket 6401500305 	Use for flush mount installations such as along a baseboard. Suitable for use in high traffic areas.
Garden Stake 6401403005 	Use for outdoor ground installations. Holds the CabLED above ground so it will not be submerged in water and adjusts to direct the angle of light from 0 to 135 degrees. May be used with Channeling.

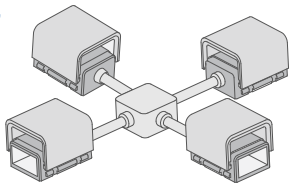
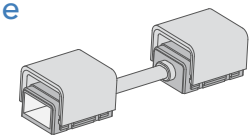
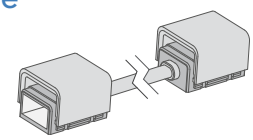
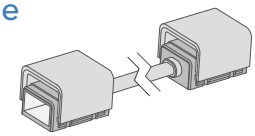
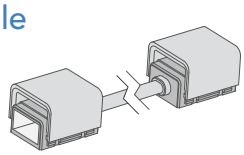
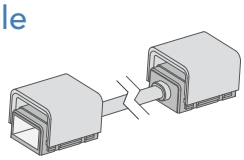
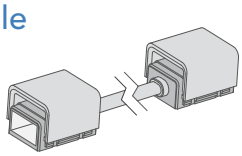
CabLED™ Component Overview

Connectors

A variety of connectors are designed for specific uses in different installations. Connectors are used to attach sections of LED strip together at various angles and connect the strip to the power supply. Of the available connectors, the PS-Link Connector and End Cap are required for every installation. All connectors are rated IP65 for use indoors or outdoors.

Model Name/Number	Description
4 Way Power Splitter 6401403905 	Connects four CabLED strips to one power supply. Install between power supply and four PS-Link Connectors.
End Cap 6401400805 	Used in ALL installations. Protects end of CabLED strip that is not connected to a connector.
I-Connector 6401400205 	Connects two lengths of CabLED strips in a straight line. Use to extend a length of CabLED strip.
L-Connector 6401400605 	Connects two CabLED strips at a right angle.
PS-Link Connector 6401400105 	Used in ALL installations. Connects CabLED strip to power supply.
T-Connector 6401401705 	Connects three CabLED strips in a flexible T shape.
U-Connector 6401400305 	Connects two CabLED strips parallel to each other for twice the brightness or a balance of warm and cool colors.

Connectors (Continued)

Model Name/Number	Description
X-Connector 6401401805 	Connects four CabLED strips at flexible right angles.
2" Jumper Cable 6401402605 	Connects two CabLED strips with a 2 inch (5cm) flexible cable.
4" Jumper Cable 6401400905 	Connects two CabLED strips with a 4 inch (10cm) flexible cable.
6" Jumper Cable 6401400705 	Connects two CabLED strips with a 6 inch (15cm) flexible cable.
12" Jumper Cable 6401401005 	Connects two CabLED strips with a 12 inch (31cm) flexible cable.
24" Jumper Cable 6401401105 	Connects two CabLED strips with a 24 inch (61cm) flexible cable.
40" Jumper Cable 6401402705 	Connects two CabLED strips with a 40 inch (101cm) flexible cable.

IMPORTANT: The connectors consist of two parts, a top and bottom, which are partially assembled at the factory. DO NOT push the connectors together before you are ready to install.

Step 1: Plan Installation

Plan Your Project

The 8000 series offers great flexibility so when you are designing your own projects, it is very important to plan each installation thoroughly before you begin. Begin planning your own installation by considering the following:

What is the Purpose of Your Project?

Think about what you want to accomplish in order to determine the best CabLED color, accessories and installation method to use.

Warm White or Cool White?

Warm White (3500K)	A yellowish white more commonly used in living spaces because it is flattering to skin tones. It is often paired with décor dominated by wood tones and warm colors and is also popular outdoors for general garden/plant lighting.
Cool White (6500K)	A bright, bluish, white generally used for lighting areas where seeing well is essential because it produces higher contrast. These include some counter areas in kitchens, reading lamps, closets and entry ways and is also popular for outdoor security lighting and walkways.

Which Accessories to Use?

Inline On/Off Dimmer Switch	The Inline On/Off Dimmer Switch is designed to be mounted next to the CabLED system, providing easy access to full dimming range and power on/off function. Use when the system is connected to an AC outlet not controlled by an on/off or dimmer switch.
RF Light/ Motion Sensor	The wireless 2.4 GHz Light/Motion Sensor has a fully weather-resistant case to protect it from the elements. It automatically activates the CabLED system when something moves within 50 feet (15m) of the sensor. Equipped with a photocell that detects light, it can be set to turn the system on when it's dark or only when it detects motion. Use to activate system only when required, either for security along walkways and driveways, or for convenience, by lighting areas before someone enters. Can be set to control up to ten RF Receivers.
RF Remote Dimmer	The wireless 2.4 GHz Remote Dimmer offers full dimming range, fades the CabLED system on and off, and retains last dimming level selected with a simple push of buttons. Use in any configuration where you would like to adjust the amount of light in the area or turn it on or off remotely. Works within 50 feet (15m) with each receiver. Can be set to control up to ten RF Receivers.
RF Receiver for Dimmer OR Sensor	2.4 GHz RF Receiver connects to PS-Link Connector and must be synchronized with either the RF Remote Dimmer OR the RF Light/ Motion Sensor. You can use up to ten RF Receivers with each Remote Dimmer or Light/Motion Sensor.

Step 2: Prepare for Installation

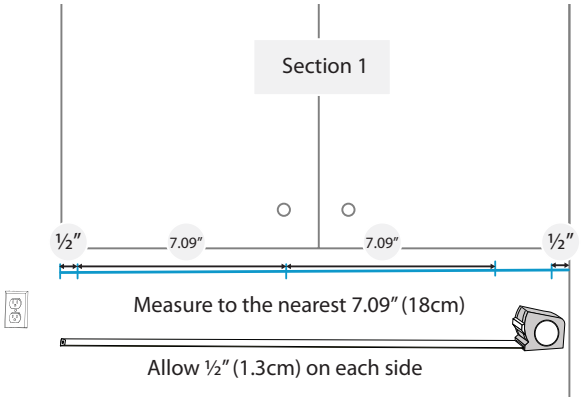
2.1 Determine Components Needed

Now you should have a few things listed on your note pad. Such as what color you have decided to use, and the accessories you will use. It's time to map out the installation to determine everything else you will need.

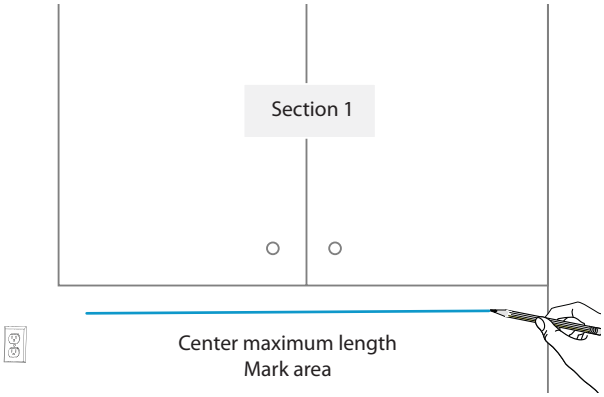
2.2 Measure and Mark the Area

Locate the AC outlet and plan to mount the power supply nearby. Mount the power supply well away from areas where it can be submerged in water and at least one foot above the ground if mounted outdoors.

A Measure carefully. The CabLED strip may ONLY be cut every 7.09 inches (18cm) and requires a half inch (1.3cm) on either side of the final length to allow for the connectors.



B Center the CabLED strip in each section. After determining the maximum length, adjust the placement so you will have balanced light.



IMPORTANT: Place power supply near outlet and off the ground so there is no chance of it being submerged in water.

Helpful Tips

Adjust your layout plan. After measuring each section, determine the best solution for the whole project. Review the "Component Layout" and "Possible Applications" sections for ideas on planning your project.

As you are measuring, draw you plan on paper as well. This will help you see your options and keep track of the amount of CabLED required and which connectors you will need.

IMPORTANT: The CabLED strip may ONLY be cut every 7.09 inches (18cm), indicated by a cut line on the LED side of the strip. When you are measuring for your installation, if the total length in inches is not a multiple of 7, then adjust the plan of your layout to use the nearest cut line marked on the strip.

Step 2: Prepare for Installation

2.3 Select Power Supply

Add up the amount of CabLED in each color to give you the total amount required. Using the following chart select the power supply equal to or greater than your total length so the LEDs will perform to their full capability.

Voltage-VDC	Length of CabLED	Appropriate Power Supply
24V	14.7 feet (4.5m)	18 Watt 24V Power Supply
24V	24.6 feet (7.5m)	30 Watt 24V Power Supply
24V	49.2 feet (15m)	60 Watt 24V Power Supply
24V	82 feet (25m)	90-100 Watt 24V Power Supply

NOTE: The power supplies are available with different plugs for various regions worldwide. When determining the correct model number for your installation, check the region as well as the strength.

2.4 Mounting Options

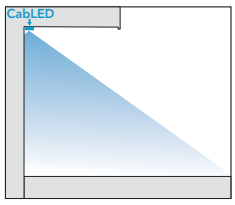
When installing the CabLED strip, select one of the six mounting solutions designed for the 8000 Series. The number of brackets or length of channeling depends upon the total quantity of CabLED in the installation. Plan on using a bracket next to each connector in all sections and then spaced evenly between 12 to 16 inches (31 to 41cm) apart.

NOTE: For best effect, mount CabLED at least 1.5 inches (4cm) away from the wall.

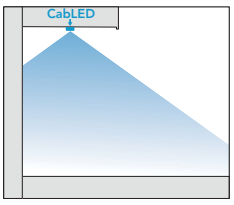
Under Cabinets

When mounting under cabinets, position CabLED strip to get the desired lighting effect.

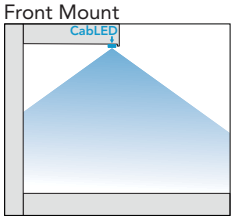
Back Mount



Center Mount



Front Mount

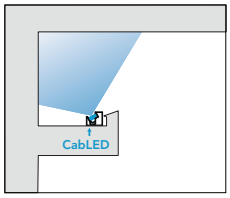


Mounting Options:
Channel Bracket
or
Channeling

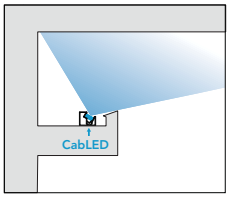
Cove Lighting

When utilized for cove lighting, position CabLED so it indirectly lights the area.

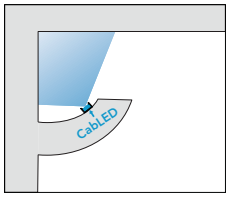
Cove Angled Back



Cove Angled Out



Curved Cove

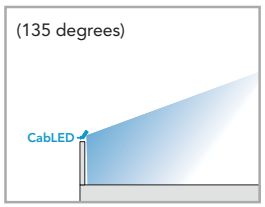


Mounting Options:
Angle Channeling
or
Channeling

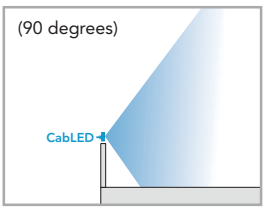
Path Lighting

When mounting along paths, use the Garden Stake and adjust light at an angle. Use with Channeling for additional support.

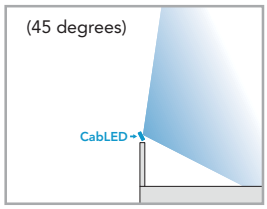
Angled Down



Angled Out



Angled Up



Mounting Options:
Garden Stake
with or without
Channelling

Step 3: Begin Installation

3.1 Measure, Mark and Cut CabLED™

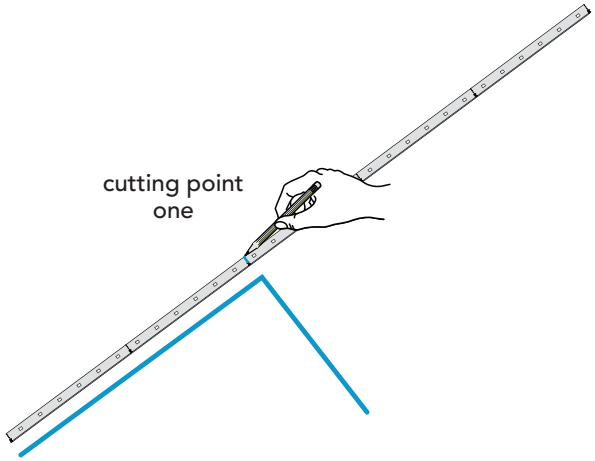
Now that you have planned where the CabLED will be placed in each section of your installation, it is important to double check before you cut each strip.

3.2 Mark CabLED™

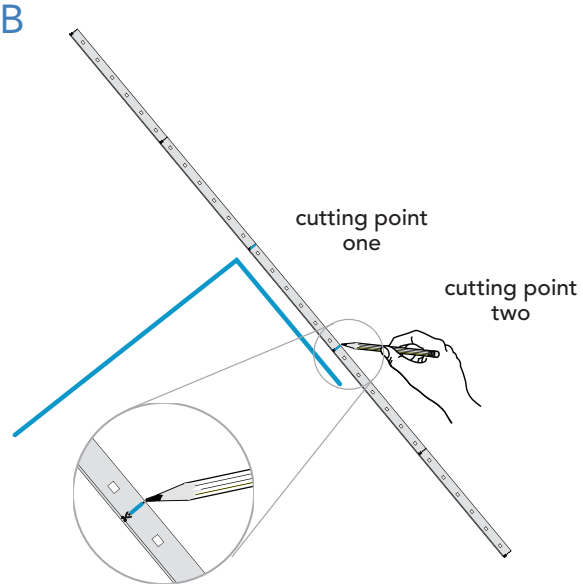
CabLED can ONLY be cut every 7.09 inches (18cm) and must be cut EXACTLY on the cut line. Hold the strip up to the surface you marked in Step 2, locate nearest cut line and mark it on the strip. Repeat for each section.

NOTE: If there is a large discrepancy in your measurements, make sure you have selected the correct components to complete your installation.

A

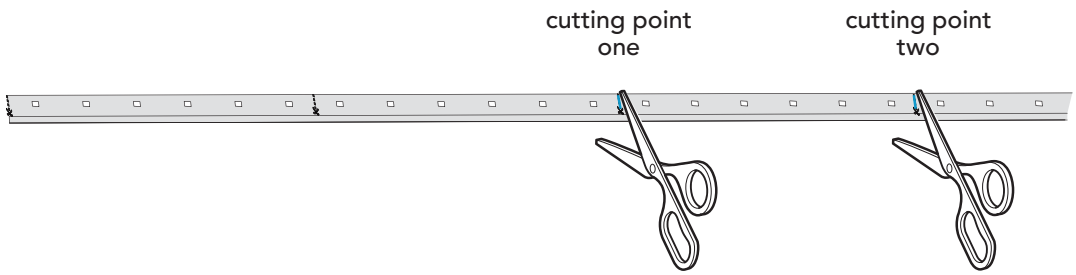


B



3.3 Cut CabLED™

Use a pair of sharp scissors to cut the CabLED strip EXACTLY on the cut lines you have marked.



IMPORTANT: The CabLED strip may ONLY be cut every 7.09 inches (18cm), indicated by a cut line on the LED side of the strip. When you are measuring for your installation, if the total length in inches is not a multiple of 7, then adjust the plan of your layout to use the nearest cut line marked on the strip.

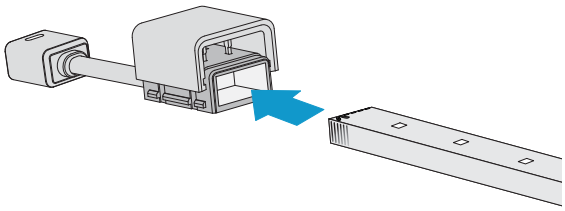
Step 4: Install Connectors

IMPORTANT: The connectors consist of two parts, a top and bottom, which are partially assembled at the factory. DO NOT push the connectors together before you are ready to install.

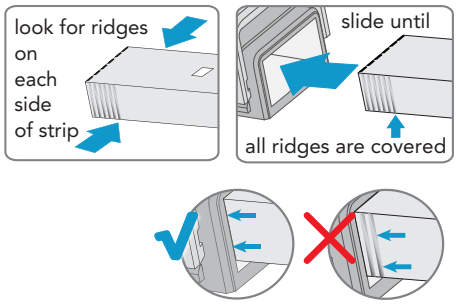
4.1 Install PS-Link Connector

The PS-Link Connector attaches the CabLED system to the power supply.

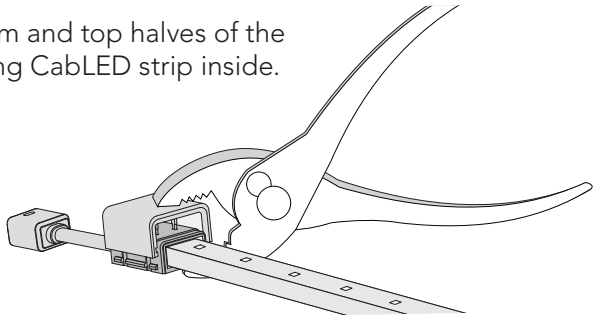
A Find the end of the LED strip that will be installed nearest to the power. Remove the protective piece from the PS-Link Connector. With LED side facing up, slide the strip into the opening in bottom half of the connector until it reaches the end.



B Push the strip completely into the connector. The ridges on each side of the strip will be covered when the strip is properly installed.

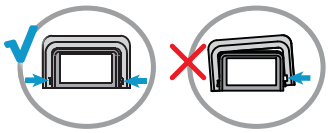


C Using pliers, apply even pressure to the bottom and top halves of the connector to push connector together, securing CabLED strip inside.



IMPORTANT: When using pliers that do not cover the entire surface of the connector, hold the connector and strip steady so the CabLED strip remains in position. Carefully rotate the pliers and apply pressure to each side of the connector, pushing the top and bottom together.

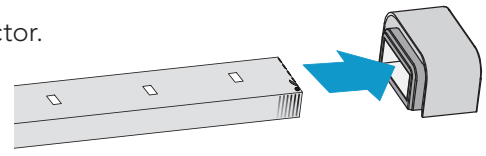
D Make sure both sides of the bottom half of the connector snap into the top half. Gently pull the LED strip to make sure you have installed it properly.



4.2 Install End Cap

The End Cap protects the side of the CabLED strip not attached to a connector.

Slide End Cap onto LED strip that will have no connector. The End Cap protects the strip.



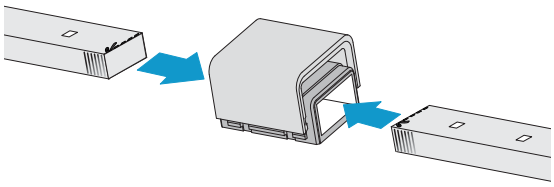
Step 4: Install Connectors

IMPORTANT: The connectors consist of two parts, a top and bottom, which are partially assembled at the factory. DO NOT push the connectors together before you are ready to install.

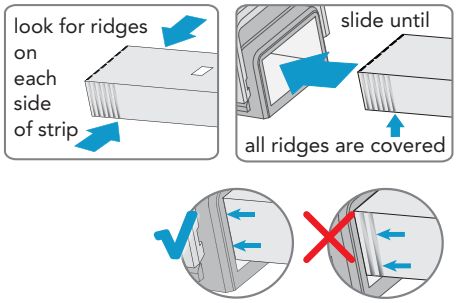
4.3 Install I-Connector

Connects two lengths of CabLED strips in a straight line. Use to add extra length to the main strip.

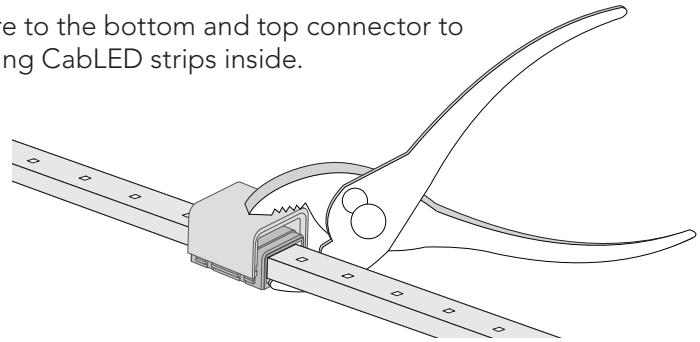
A Remove the protective piece from I-Connector. With the LED side of each strip facing up, insert one strip into one side of the I-Connector and push to the end. Insert the other strip into the other side and push it to the end.



B Push the strips completely into the connector. The ridges on each side of the strip will be covered when the strip is properly installed.

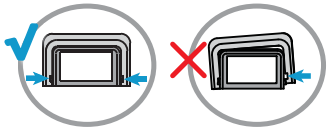


C Using pliers, apply even pressure to the bottom and top connector to push connector together, securing CabLED strips inside.



IMPORTANT: When using pliers that do not cover the entire surface of the connector, hold the connector and strip steady so the CabLED strip remains in position. Carefully rotate the pliers and apply pressure to each side of the connector, pushing the top and bottom together.

D Make sure both sides of the bottom half of the connector snap into the top half. Gently pull the CabLED strips to make sure you have installed it properly.



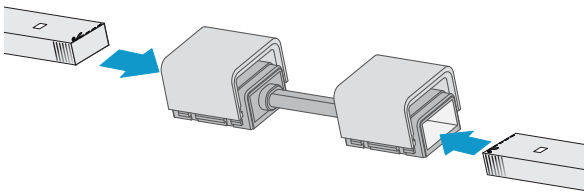
Step 4: Install Connectors

IMPORTANT: The connectors consist of two parts, a top and bottom, which are partially assembled at the factory. DO NOT push the connectors together before you are ready to install.

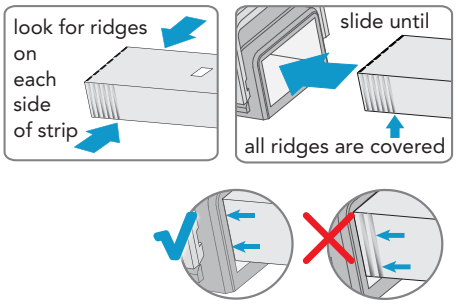
4.4 Install Jumper Cable

The Jumper Cable connects two CabLED strips with a flexible cable. They are available with 2", 4", 6", 12", 24" and 40" cables. Use the shorter lengths for connecting two CabLED strips at any angle, or when the strips do not meet at 90 degree angles after being centered to a section. The medium lengths are often used for stairs, running strips parallel with each other with space between them. The longer lengths are useful when running strips under sections of kitchen cabinets with an appliance between them, extending the system behind a larger area.

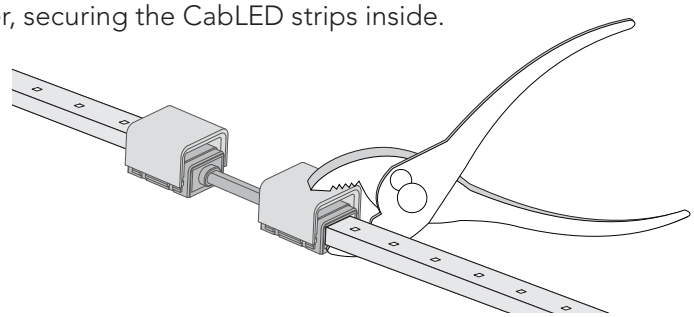
A Remove the protective piece from both sides of the Jumper Connector. With LED side facing up, slide one CabLED strip into the opening in bottom half of one side of the connector until it reaches the end. Repeat with the other CabLED strip in the other side of the connector.



B Push the strip completely into the connectors. The ridges on each side of the strip will be covered when the strip is properly installed.

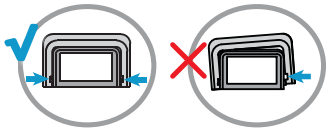


C Using pliers, apply even pressure to the bottom and top halves of each connector to push them together, securing the CabLED strips inside.



IMPORTANT: When using pliers that do not cover the entire surface of the connector, hold the connector and strip steady so the CabLED strip remains in position. Carefully rotate the pliers and apply pressure to each side of the connector, pushing the top and bottom together.

D Make sure both sides of the bottom half of the connector snap into the top half. Gently pull the CabLED strips to make sure you have installed it properly.



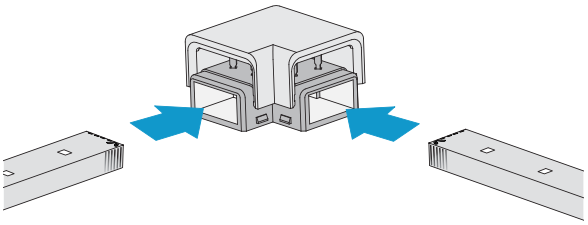
Step 4: Install Connectors

IMPORTANT: The connectors consist of two parts, a top and bottom, which are partially assembled at the factory. DO NOT push the connectors together before you are ready to install.

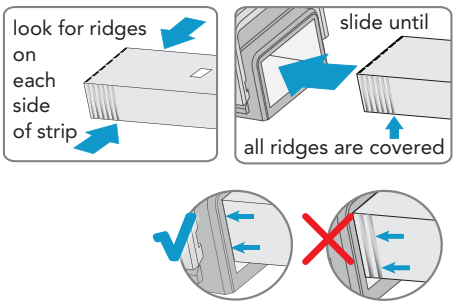
4.5 Install L-Connector

Connects two CabLED strips at a 90 degree angle to form a corner.

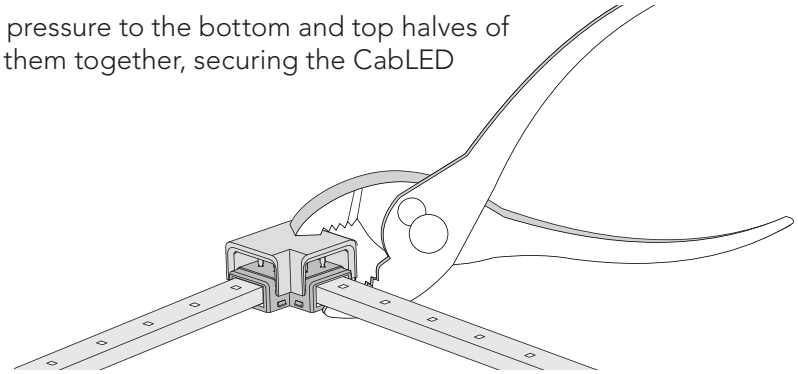
A Remove the protective piece from L-Connector. With the LED side of each strip facing up, insert one strip into one side of the L-Connector and push it to the end. Insert the other strip into the other side and push it to the end.



B Push both strips completely into the connector. The ridges on each side of the strip will be covered when the strip is properly installed.

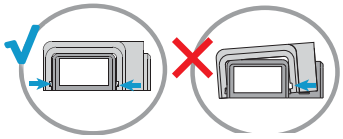


C Using pliers, apply even pressure to the bottom and top halves of each connector to push them together, securing the CabLED strips inside.



IMPORTANT: When using pliers that do not cover the entire surface of the connector, hold the connector and strip steady so the CabLED strip remains in position. Carefully rotate the pliers and apply pressure to each side of the connector, pushing the top and bottom together.

D Make sure both sides of the bottom half of the connector snap into the top half. Gently pull the CabLED strips to make sure you have installed them properly.



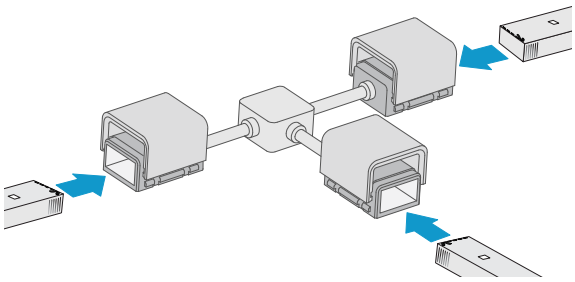
Step 4: Install Connectors

IMPORTANT: The connectors consist of two parts, a top and bottom, which are partially assembled at the factory. DO NOT push the connectors together before you are ready to install.

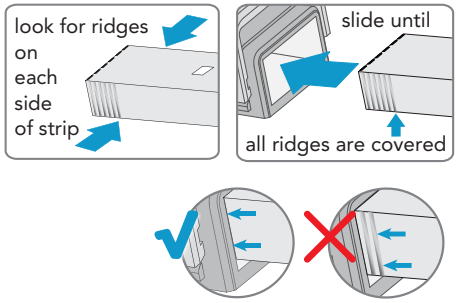
4.6 Install T-Connector

Connects three CabLED strips in a flexible T shape.

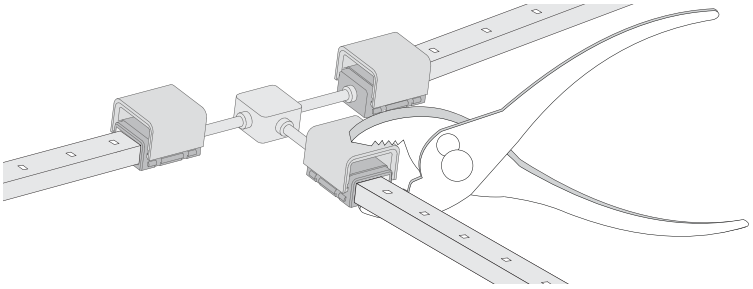
A Remove the protective piece from each side of the T-Connector. With LED side facing up, slide one CabLED strip into the opening in bottom half of one side of the connector until it reaches the end. Repeat with the other CabLED strips in the other sides of the connector.



B Push the strips completely into the connector. The ridges on each side of the strips will be covered when the strip is properly installed.

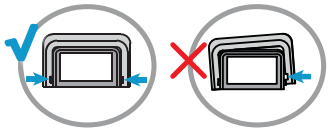


C Using pliers, apply even pressure to the bottom and top halves of each connector to push them together, securing the CabLED strips inside.



IMPORTANT: When using pliers that do not cover the entire surface of the connector, hold the connector and strip steady so the CabLED strip remains in position. Carefully rotate the pliers and apply pressure to each side of the connector, pushing the top and bottom together.

D Make sure both sides of the bottom half of the connector snap into the top half. Gently pull the CabLED strips to make sure you have installed them properly.



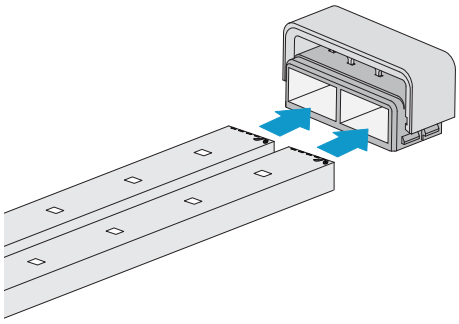
Step 4: Install Connectors

IMPORTANT: The connectors consist of two parts, a top and bottom, which are partially assembled at the factory. DO NOT push the connectors together before you are ready to install.

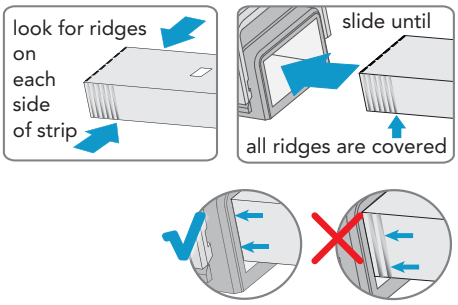
4.7 Install U-Connector

Connects two CabLED strips parallel with each other for twice the brightness or to achieve a balance of warm and cool colors.

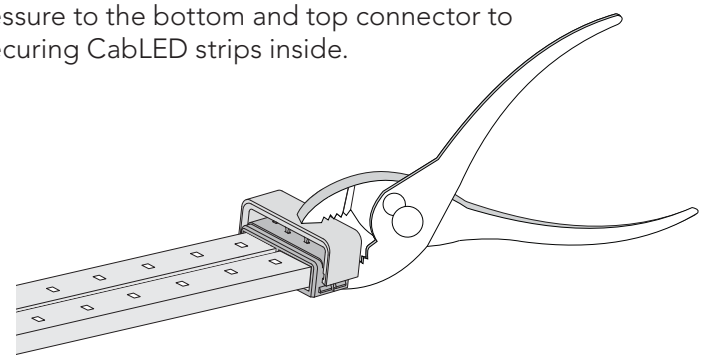
A Remove the protective piece from U-Connector. With the LED side of each strip facing up, insert each CabLED strip into the U-Connector and push to the end.



B Push both strips completely into the connector. The ridges on each side of the strips will be covered when the strip is properly installed.

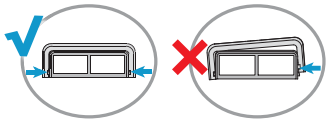


C Using pliers, apply even pressure to the bottom and top connector to push connector together, securing CabLED strips inside.



IMPORTANT: When using pliers that do not cover the entire surface of the connector, hold the connector and strip steady so the CabLED strip remains in position. Carefully rotate the pliers and apply pressure to each side of the connector, pushing the top and bottom together.

D Make sure both sides of the bottom half of the connector snap into the top half. Gently pull the CabLED strips to make sure you have installed them properly.



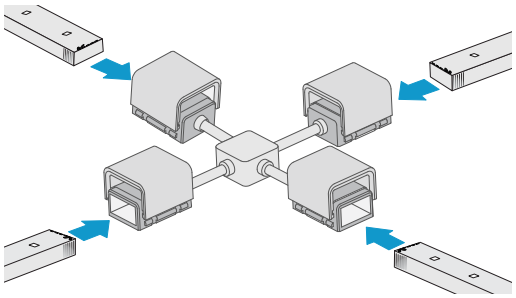
Step 4: Install Connectors

IMPORTANT: The connectors consist of two parts, a top and bottom, which are partially assembled at the factory. DO NOT push the connectors together before you are ready to install.

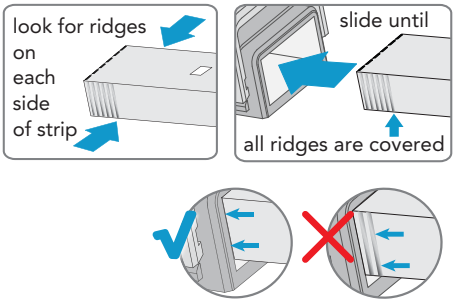
4.8 Install X-Connector

Connects four CabLED strips at flexible right angles.

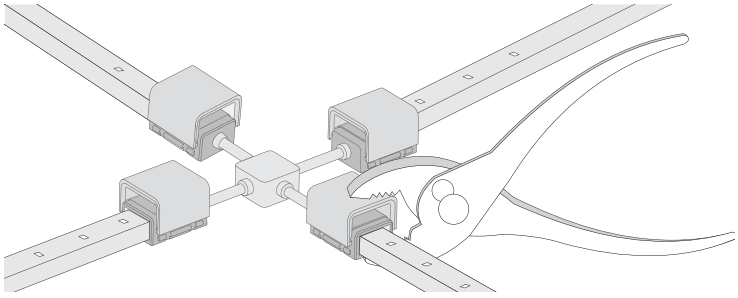
A Remove the protective piece from each side of the X-Connector. With LED side facing up, slide one CabLED strip into the opening in bottom half of one side of the connector until it reaches the end. Repeat with the other CabLED strips in the other sides of the connector.



B Push the strips completely into the connector. The ridges on each side of the strips will be covered when the strip is properly installed.

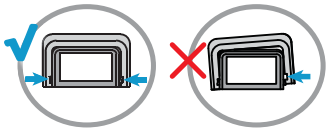


C Using pliers, apply even pressure to the bottom and top halves of each connector to push them together, securing the CabLED strips inside.



IMPORTANT: When using pliers that do not cover the entire surface of the connector, hold the connector and strip steady so the CabLED strip remains in position. Carefully rotate the pliers and apply pressure to each side of the connector, pushing the top and bottom together.

D Make sure both sides of the bottom half of the connector snap into the top half. Gently pull the CabLED strips to make sure you have installed them properly.



Step 4: Install Connectors

IMPORTANT: There is only one way to connect the 4 Way Power Splitter to the power supply and PS-Link Connectors. Make certain the icons match before connecting. Connect the 4 Way Power Splitter to the PS-Link Connectors and to the power supply BEFORE plugging the power supply into the AC outlet.

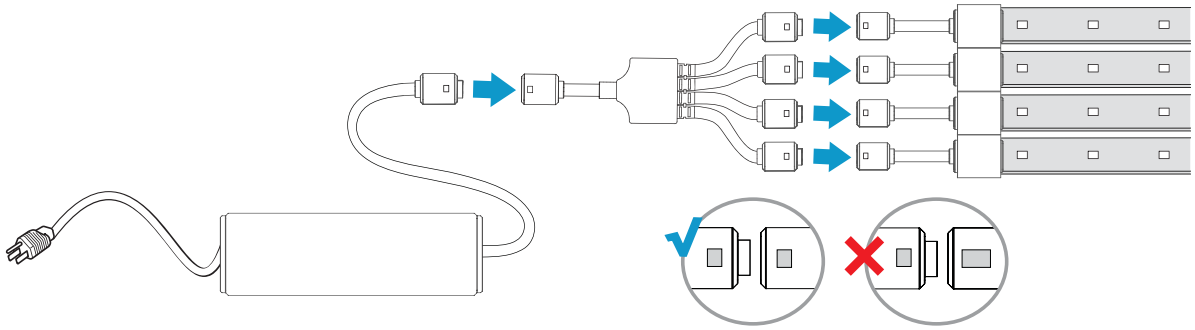
4.9 Install 4 Way Power Splitter

The 4 Way Power Splitter connects four strips of CabLED to one power supply and fits between the power supply and the PS-Link Connectors.

NOTE: Select the power supply according to the combined length of CabLED connected to the 4 Way Power Splitter. Each of the strips function independently, can be different lengths or combined with other connectors, but the maximum combined length of CabLED strip must not exceed 82 feet (25m).

Follow the instructions in Step 4.1 to connect each strip to a PS-Link Connector. The 4 Way Power Splitter fits between the power supply and the PS-Link Connectors.

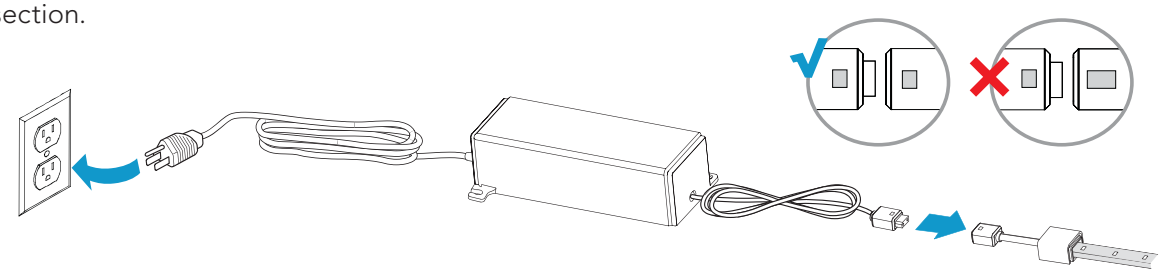
Unplug the power supply from the AC outlet before connecting. Match the icons on each PS-Link Connector with the icons on the 4 Way Power Splitter. Match the icons on the power supply with the icons on the other side of the 4 Way Power Splitter.



NOTE: If you are using the 4 Way Power Splitter with the accessories, the Inline On/Off Dimmer Switch or the Receiver will be installed between the power supply and the 4 Way Power Splitter.

Step 5: Test

Matching the icons, connect the PS-Link Connector to the power supply. Plug the power supply into the AC outlet. If it works properly, unplug it and continue. If not, see the Troubleshooting section.

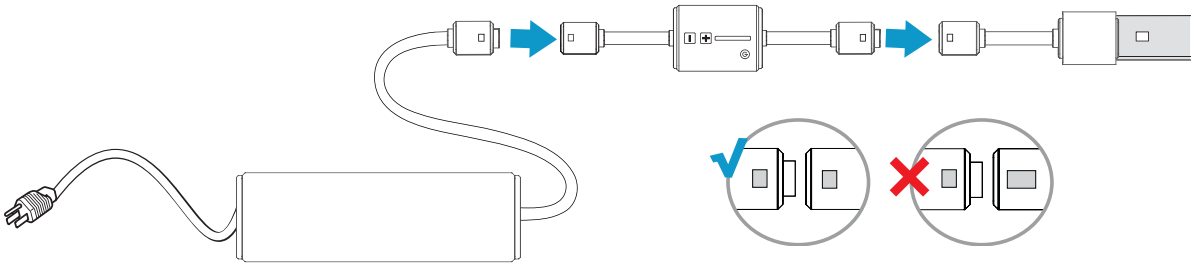


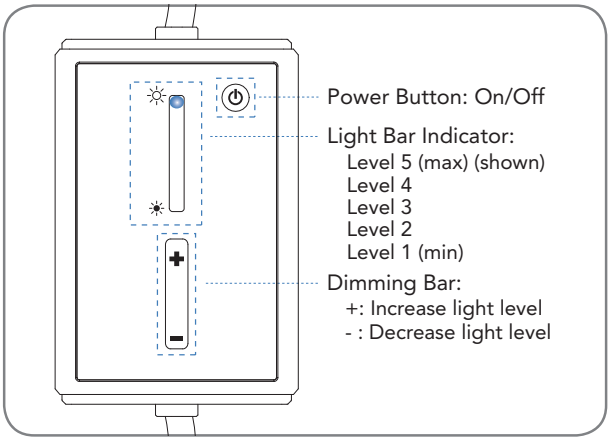
IMPORTANT: There is only one way to connect the PS-Link Connector to the power supply. Make certain the icons match before connecting. Connect the power supply to the PS-Link Connector BEFORE plugging the power supply into the AC outlet.

Step 6: Install Optional Accessories

6.1 Install Inline On/Off Dimmer Switch

The Inline On/Off Dimmer Switch fits between the PS-Link Connector and the power supply. Unplug the power supply from the AC outlet before connecting. Match the icons on the PS-Link Connector with the icons on the Inline Dimmer.

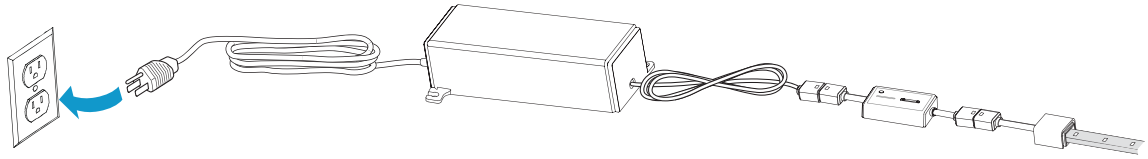




Test

Plug the power supply back into the AC outlet and press the power button on the Inline Dimmer to test.

If it works properly, unplug it and continue. If not, see the Troubleshooting Section.

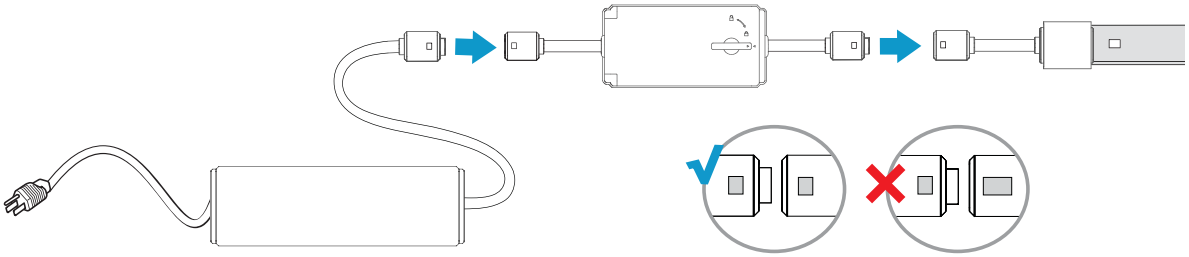


6.2 Install RF Light/Motion Sensor

The wireless Motion Sensor works only with CabLED Receivers. Both the Sensor and Receiver are rated IP65, completely weather resistant but not to be submerged in water. You may use one Sensor to control up to twenty CabLED systems, each connected to its own CabLED Receiver. The Sensor MUST be synchronized with each Receiver.

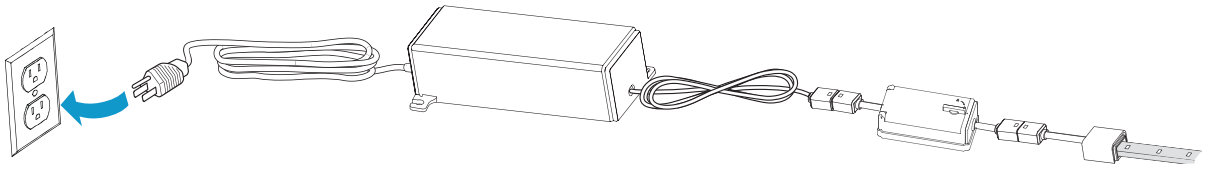
Install RF Receiver

Unplug the power supply from the AC outlet before connecting. Install the receiver between the power supply and the PS-Link Connector by matching the icons on the plugs.



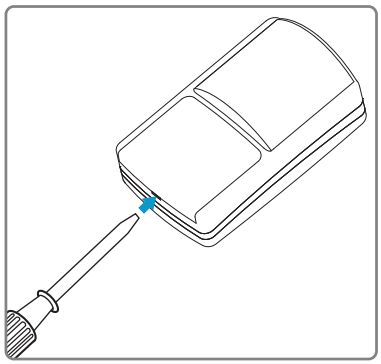
6.2 Install RF Light/Motion Sensor (Continued)

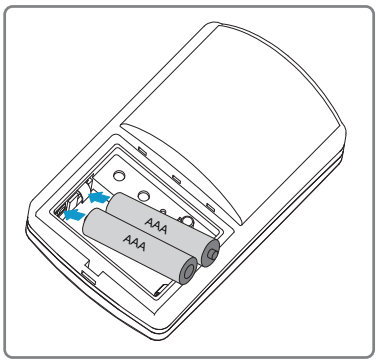
Plug the power supply into the AC outlet to synchronize it to the Remote Dimmer.

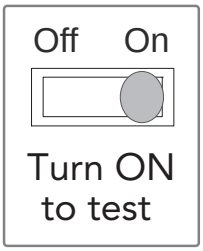


Install Batteries in the RF Light/Motion Sensor

A Open the front battery compartment cover using a flat screw driver. Insert 2 AAA batteries matching the polarity (+ and -) markings on the batteries with the indicators in the battery compartment and turn on to test.



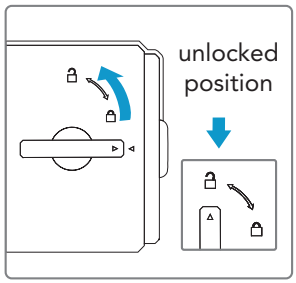


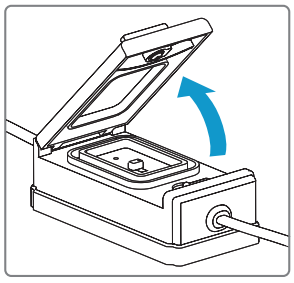


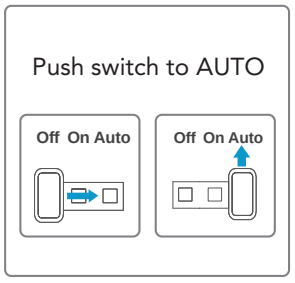
Synchronize One RF Receiver with RF Light/Motion Sensor

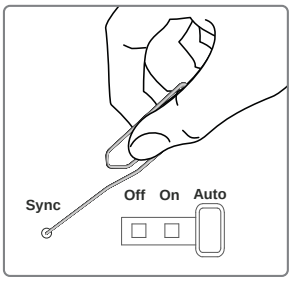
IMPORTANT: The Light/Motion Sensor must be synchronized with at least one CabLED Receiver. The Receiver fits between the PS-Link Connector and the power supply.

A Unlock the receiver case and open it to access the sync switch. Move the power button to AUTO. Use a pin or straightened paper clip to push the sync button. **NOTE:** The CabLED strip lights briefly when you push the sync button.





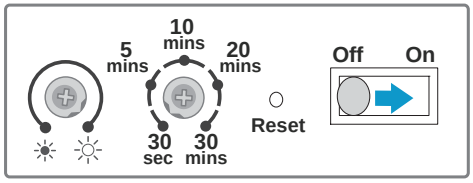


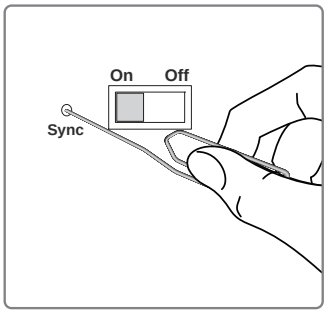


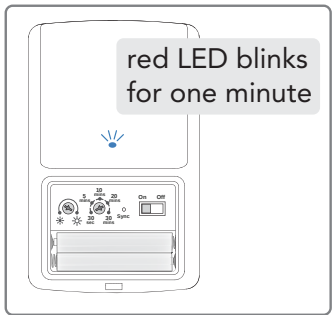
IMPORTANT: After the receiver is successfully synchronized, make sure it is set it to AUTO. Setting the receiver to ON overrides the Light/Motion Sensor, and the CabLED will be lit continuously. Setting it to OFF, turns the power off and setting it to AUTO allows it to be activated only by the Motion Sensor.

6.2 Install RF Light/Motion Sensor (Continued)

B With the battery compartment on the front of the Light/Motion Sensor, access the controls. Turn the power ON. Use a pin or straightened paper clip to push the sync button.







The red LED on the front of the Light/Motion Sensor will blink for approximately one minute during synchronization. When it stops blinking the Motion Sensor is successfully synchronized with the Receiver.

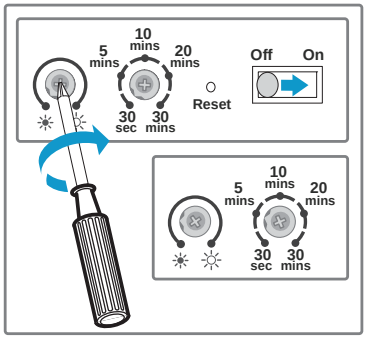
Test

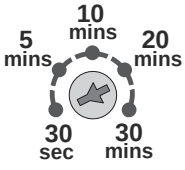
Walk in front of the Light/Motion Sensor to test.

If it works properly, unplug the power supply from the AC outlet and continue mounting. If not, see the Troubleshooting Section.

Set the RF Light/Motion Sensor

Adjust the time delay and ambient light settings by using a flat screw driver. Turn each dial until the arrow points to desired setting.





The time delay will determine how long the strip will be lit after the sensor is activated. There are five settings, between 5 seconds and 30 minutes.

The ambient light photocell setting detects the amount of natural light and can be set so motion activates the strip only when it is needed. When setting it to minimum it will be activated only when it is completely dark outside.

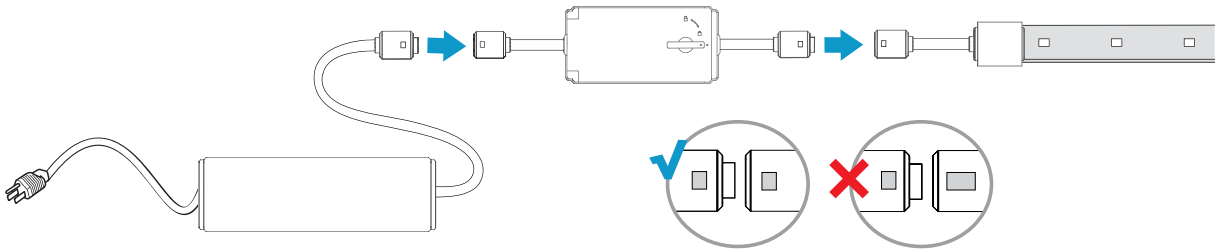
NOTE: The ambient light control can be set between complete darkness (minimum) and sunset (maximum). Adjust the setting and test it outside until you have reached the desired level of darkness needed before the strip is activated by motion.

6.3 Install RF Remote Dimmer

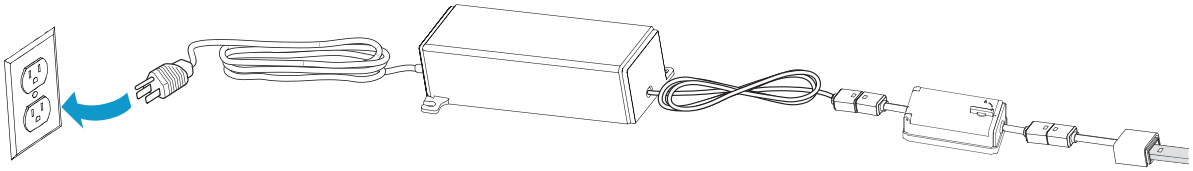
The wireless Remote Dimmer works only with CabLED Receivers. Both the Dimmer and Receiver are rated IP65, completely weather resistant but not to be submerged in water. You may use one Dimmer to control up to ten CabLED systems, each connected to its own CabLED Receiver. The Dimmer MUST be synchronized with each Receiver.

Install RF Receiver

Unplug the power supply from the AC outlet before connecting. Install the receiver between the power supply and the PS-Link Connector by matching the icons on the plugs.

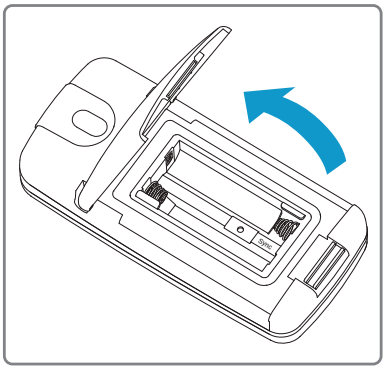


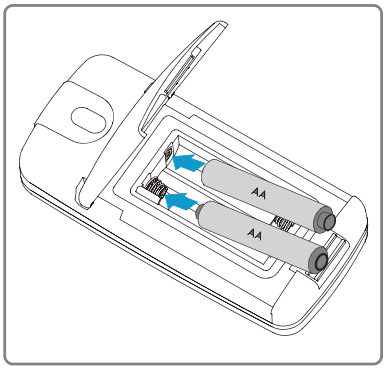
Plug the power supply into the AC outlet to synchronize it to the Remote Dimmer.



Install Batteries in the RF Remote Dimmer

Open the back cover of the Remote Dimmer and Insert 2 AAA batteries matching the polarity (+ and -) markings on the batteries with the indicators in the battery compartment.





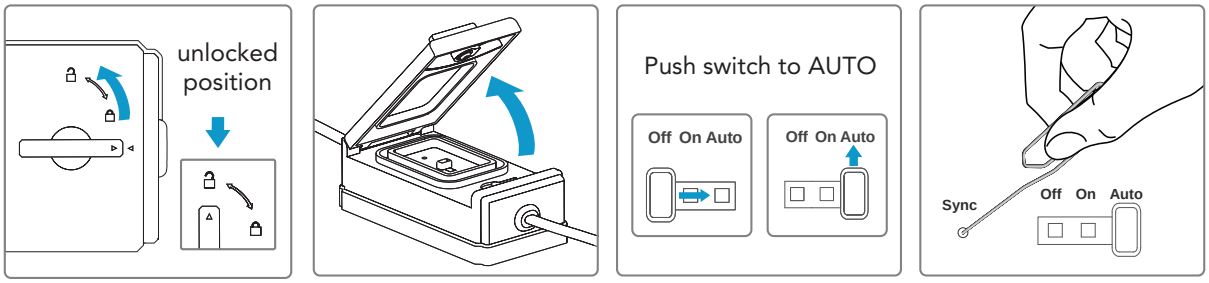
IMPORTANT: After the receiver is successfully synchronized, make sure it is set it to AUTO. Setting the receiver to ON overrides the Remote Dimmer, and the CabLED will be lit continuously. Setting it to OFF, turns the power off and setting it to AUTO allows it to be activated only by the Remote Dimmer.

6.3 Install RF Remote Dimmer (Continued)

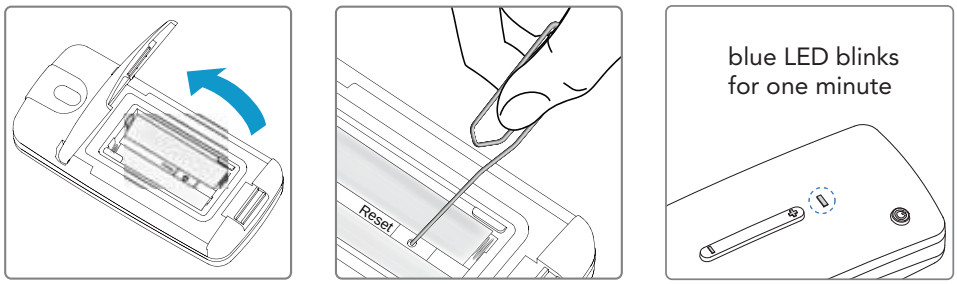
Synchronize One RF Receiver with RF Remote Dimmer

IMPORTANT: The Remote Dimmer must be synchronized with at least one CabLED Receiver. The Receiver fits between the PS-Link Connector and the power supply.

A Unlock the receiver case and open it to access the sync switch. Move the power button to AUTO. Use a pin or straightened paper clip to push the sync button. **NOTE:** The CabLED strip lights briefly when you push the sync button.



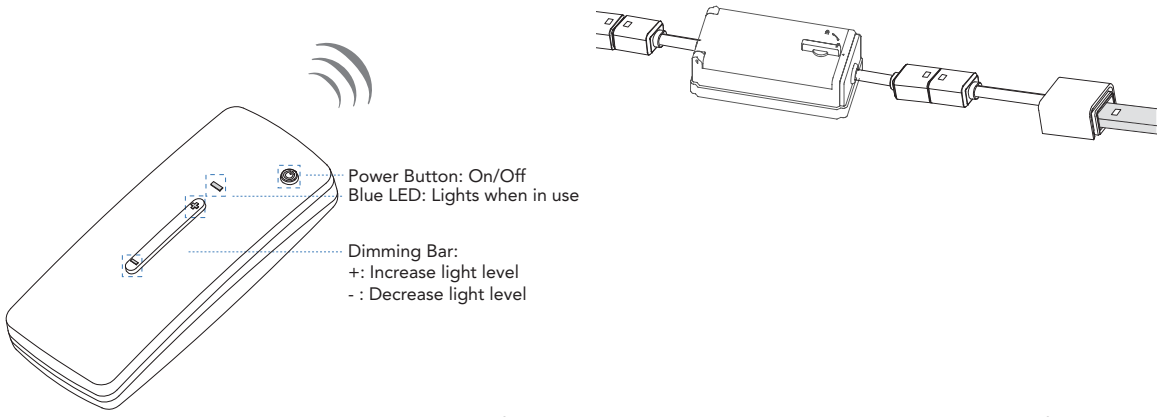
B Open the battery compartment on the back of the Remote Dimmer to access the sync switch. Use a pin or straightened paper clip to push the sync button.



The blue LED on the front of the Remote Dimmer will blink for approximately one minute during synchronization. When it stops blinking the Remote Dimmer is successfully synchronized with the Receiver.

Test

Within 50 feet (15m) of the receiver, point the remote in its general direction and test.

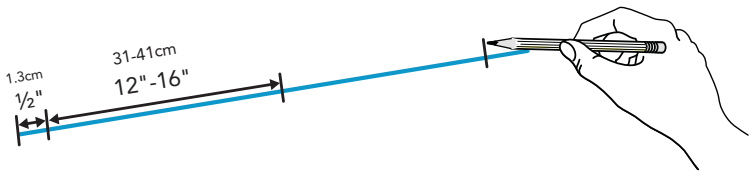


If it works properly, unplug the power supply from the AC outlet and continue mounting. If not, see the Troubleshooting Section.

Step 7: Mount CabLED™

7.1 Mark Placement for Brackets

When installing the CabLED strip, select one of the six IP65 mounting solutions designed to be used with the 8000 Series for either indoors or outdoors. Plan on using a bracket next to each connector on the end of each strip in each section and then spaced evenly between 12 to 16 inches (31-41cm) apart. Allow a half inch to clear each connector.

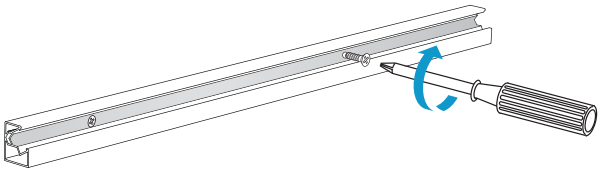


7.2 Use One of the Following Six Methods to Mount CabLED™

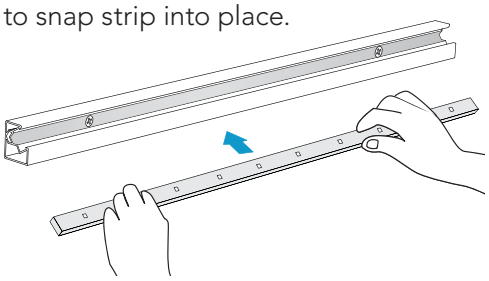
Install Angle Channeling

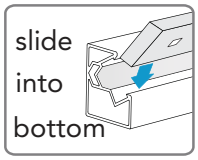
Angle Channeling fits into the corner of two surfaces and directs the light at a 30 degree angle. You may install it so the light points up or down. The example shows the light pointing down.

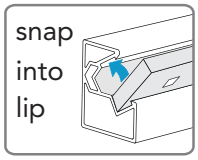
A Determine the desired direction of the light and hold Angle Channeling against surface. Secure with screw every 12 to 16 inches (31-41cm).



B Slide CabLED at an angle into the longer side of the Angle Channelling, and then push down to snap strip into place.

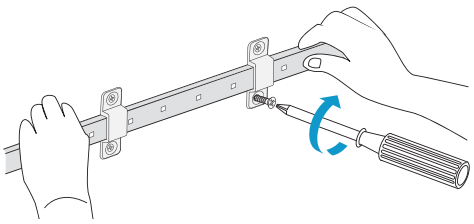






Install Bridge Bracket

Hold CabLED strip against surface. Making certain strip lies flat, secure each bracket with a screw through top and bottom of Bridge Bracket.



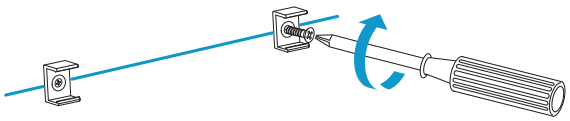
NOTE: Do NOT place brackets so they cover the LEDs in the strip.

IMPORTANT: If you are installing CabLED in the USA, the Bridge Bracket is NOT UL approved. All flexible lighting must **NOT** be permanently installed.

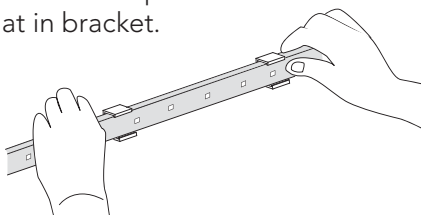
Step 7: Mount CabLED™

Install Channel Bracket

A Screw Channel Brackets into surface.

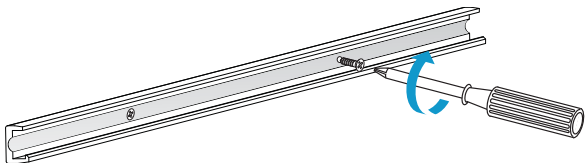


B Starting from PS-Link Connector, press CabLED strip firmly into each channel bracket. Make certain strip lies flat in bracket.

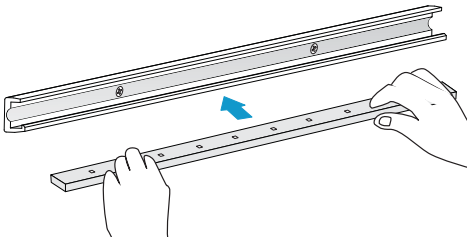


Install Channeling

A Position Channeling so lip is at bottom when installed. Hold Channeling against surface. Secure with screw every 12 to 16 inches (31-41cm).

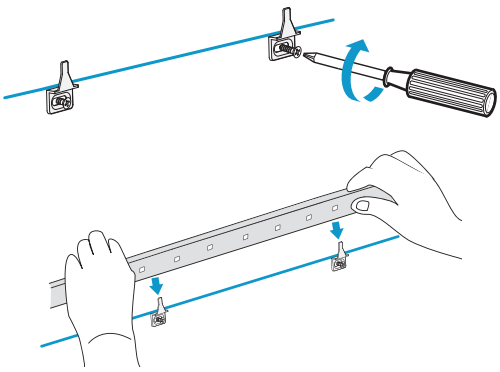


B Slide CabLED straight into top of Channeling, and then push down to snap strip into place.

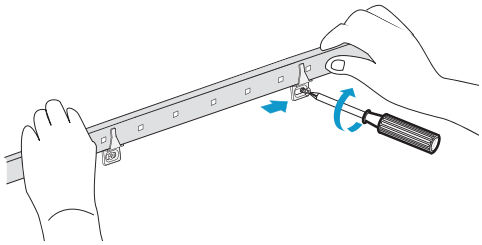


Install Edge Bracket

A Screw Edge Brackets partially into surface. Start from PS-Link Connector. Slide CabLED between bracket and surface making sure it lies flat and the bracket doesn't cover the LEDs.



B Adjust placement if necessary when tightening screws.



Step 7: Mount CabLED™

The Garden Stakes are two-piece mounts designed to hold the CabLED strips along pathways and can be set so the light is directed at an angle between 0 and 135 degrees at 11.25 degree intervals. The mounting clip is designed with two cavities to either hold the strip alone, or for added support, with the Channeling.

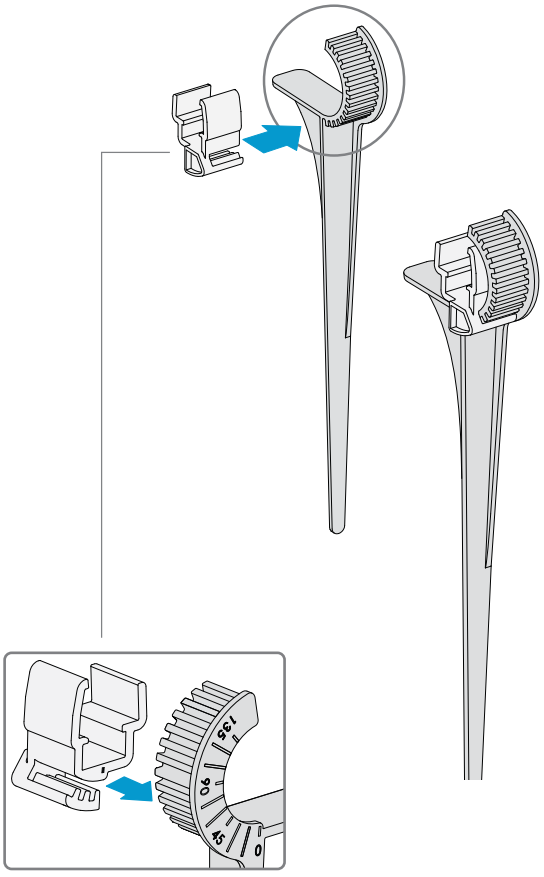
Install Garden Stake

The Garden Stake consists of two pieces, the mounting clip and the stand, which are assembled to angle the direction of the light between 0 and 135 degrees at 11.25 degree intervals.

The mounting clip, is designed with two cavities. Install the CabLED strip alone in the bottom or the CabLED strip with the Channeling into the top. Follow the instructions for each method for the easiest installation.

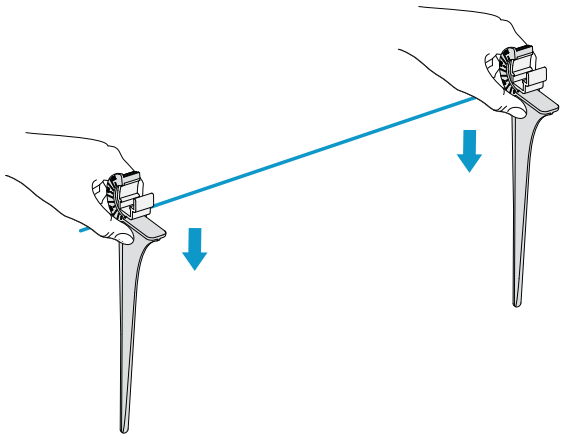
NOTE: Installation shown at 0 degree angle.

A Set the angle by fitting the mounting clip into the stand at the desired angle.

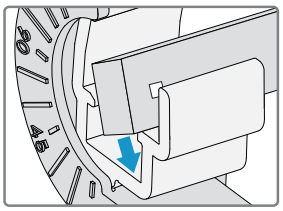


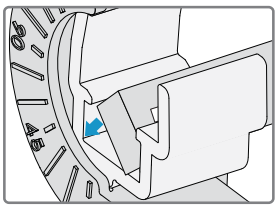
Angle marked on outside stand

B Push the stakes firmly into the ground spaced from 12 to 16 inches (31-41cm) apart.



C Insert CabLED strip into one side of bottom channel and snap into place.





Position so strip lays flat and LEDs are NOT covered when strip is installed. Reposition stake if necessary.

IMPORTANT: Use Garden Stakes where CabLED will be installed on the ground outside. Install so CabLED or connectors will NOT be submerged in water.

Step 7: Mount CabLED™

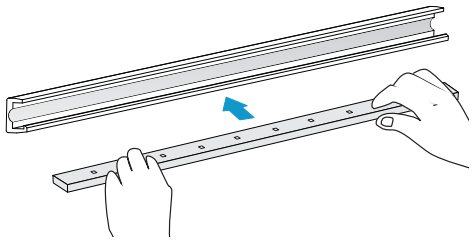
Install Garden Stake With Channeling

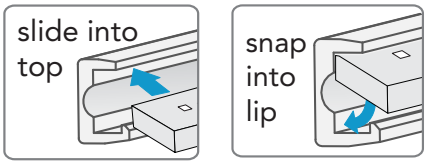
The Garden Stake consists of two pieces, the mounting clip and the stand, which are assembled to angle the direction of the light between 0 and 135 degrees at 11.25 degree intervals.

The mounting clip, is designed with two cavities. Install the CabLED strip alone in the bottom or the CabLED strip with the Channeling into the top. Follow the instructions for each method for the easiest installation

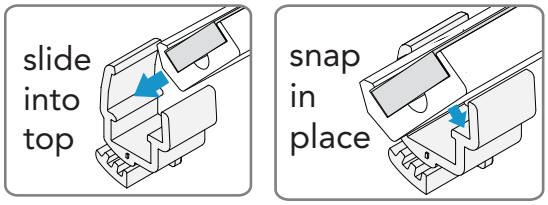
NOTE: Installation shown at 0 degree angle.

A First install the CabLED into the Channeling by sliding the strip straight into top of Channeling, and then push down to snap strip firmly and smoothly into Channeling.



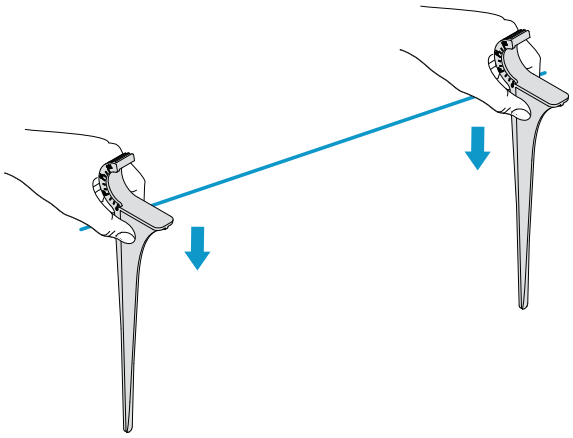


B Install Channeling into upper cavity of mounting clip. Slide in at an angle with high lip into tall side of mounting clip until it sits on ledge and then snap other end into place.

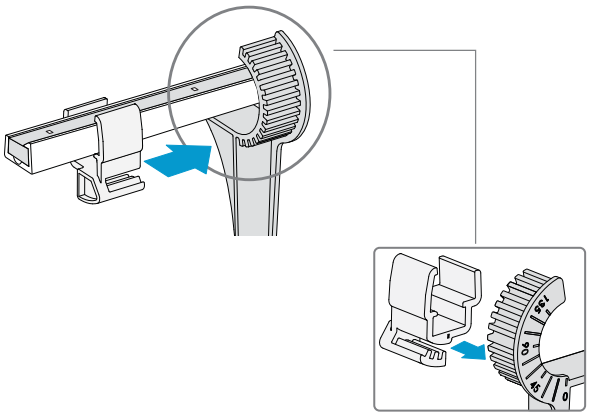


Repeat to install the mounting clips spaced the same distance you are installing the stands, between 12 to 16 inches (31-41cm) apart.

C Push the stakes firmly into the ground spaced from 12 to 16 inches (31-41cm) apart.



D Fit each mounting clip into the stake at the desired angle.



Angle marked on outside stand

Adjust Channeling if LEDs are blocked by the stand.

IMPORTANT: Use Garden Stakes where CabLED will be installed on the ground outside. Install so CabLED or connectors will NOT be submerged in water.

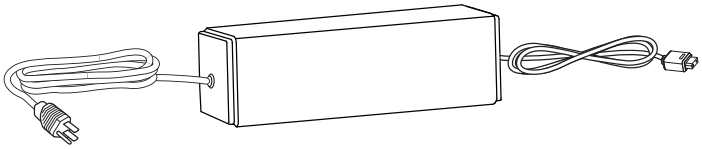
Step 8: Mount Power Supply

IMPORTANT: Do not plug into outlet until power supply is secured. Place power supply near outlet and off the ground so there is no chance of it being submerged in water.

8.1 Mount Power Supply in USA

NOTE: The power supplies for use in the United States are designed to be easily mounted and removed to comply with UL standards.

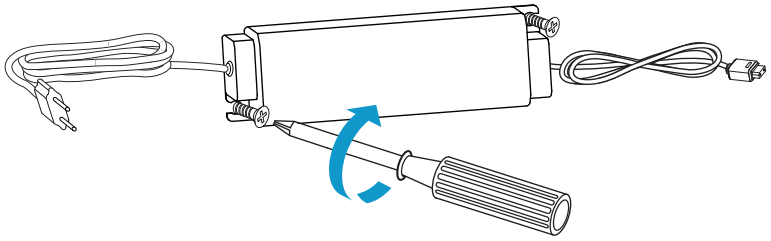
Position power supply near the AC outlet. Use the two strips of industrial-grade Velcro® shipped with the power supply to install. The Velcro is suitable for indoor or outdoor installations, and allows the power supply to easily be removed easily when necessary.



8.2 Mount Power Supply in Other Regions

NOTE: The power supplies for other regions worldwide comply with CE standards.

Position power supply near power outlet. Hold it in place using two M4 screws. The power supply has been designed to be removed easily. Tighten screws just enough so they hold the unit in place, but have enough space so the unit can easily be slid to the side to remove.



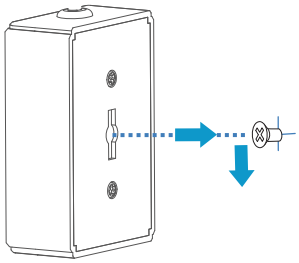
Step 9: Mount Optional Accessories

9.1 Mount Inline On/Off Dimmer Switch

Position Inline On/Off Dimmer Switch between power supply and PS-Link Connector. The Inline Dimmer uses a keyhole mounting system designed to be mounted vertically

A Screw M4 screw partially into surface, leaving 1/4 inch to hang the Inline Dimmer.

B Fit center of keyhole in back of Inline Dimmer over screw and slide down to mount.



IMPORTANT: Disconnect Inline Dimmer from power supply before mounting. Mount near power supply and off the ground so there is no chance of it being submerged in water.

Step 9: Mount Optional Accessories

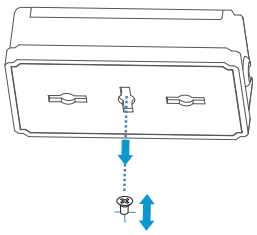
9.2 Mount RF Receiver

Follow these instructions to mount each RF Receiver to be used with either the Remote Dimmer or the Light/Motion Sensor.

Mount Horizontally

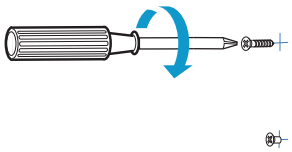
A Screw two M4 screw partially into surface, leaving 1/4 inch to mount the receiver.

B Fit center of keyholes in back of receiver over each screw and slide to one side to secure.

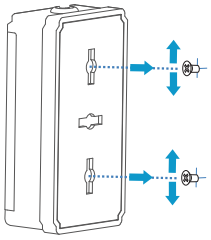


Mount Vertically

A Screw one M4 screw partially into surface, leaving 1/4 inch to mount the receiver.



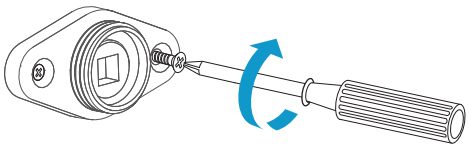
B Fit center of keyhole in back of receiver over screw and slide to one side to secure.



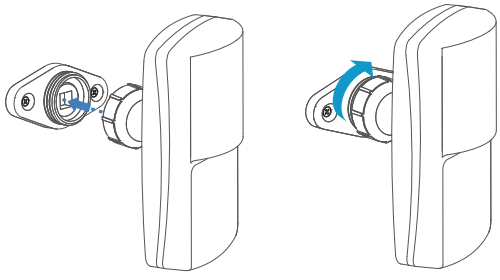
IMPORTANT: Disconnect receiver from power supply before mounting. Mount near power supply, off the ground so there is no chance of it being submerged in water.

9.3 Mount RF Light/Motion Sensor

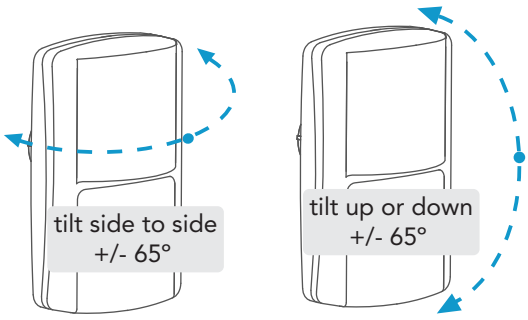
A Position base for Motion Sensor at the entrance of the area to be lit. Secure with two M3 screws.



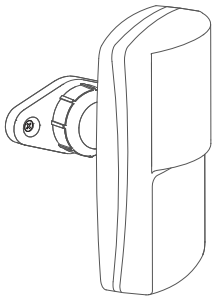
B Fit ring on back of Motion Sensor onto base and partially screw together.



C Adjust to Sensor to desired angle.



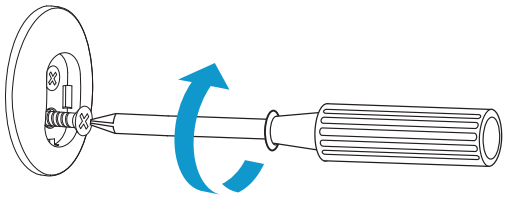
D Tighten ring completely to secure.



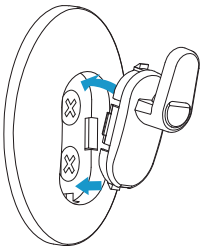
Step 9: Mount Optional Accessories

9.4 Mount RF Remote Dimmer

A Secure base with two M3 screws. Insert hook into base at an angle and then push to snap into place.

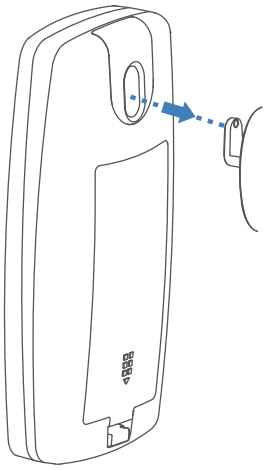


B Insert hook at angle



snap into place

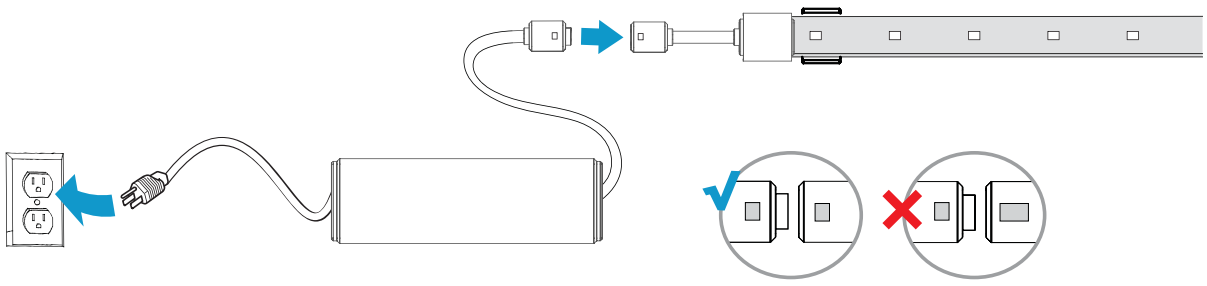
C Hang remote onto hook.



Step 10: Connect to Power

10.1 Connect Without Accessories

Matching the icons, connect the PS-Link Connector to the power supply. Plug the power supply into the AC outlet.



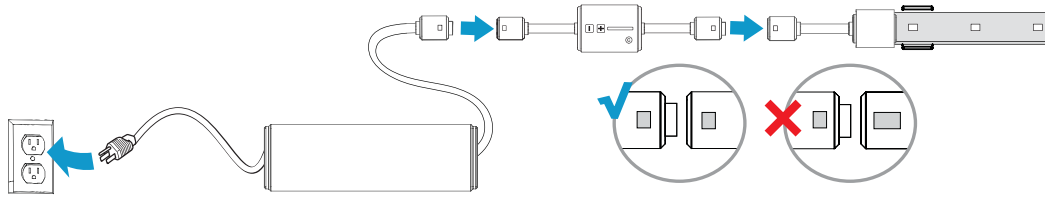
IMPORTANT: Connect the power supply to the PS-Link Connector BEFORE plugging the power supply into the AC outlet.

Step 10: Connect to Power

10.2 Connect With Optional Accessories

Inline On/Off Dimmer Switch

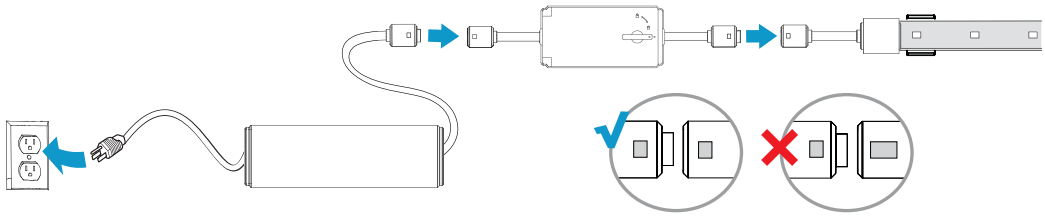
The Inline On/Off Dimmer Switch fits between the PS-Link Connector and the power supply. Matching the icons, connect the Inline On/Off Dimmer Switch to the PS-Link Connector and the power supply. Plug the power supply into the AC outlet.



IMPORTANT: Connect Inline On/Off Dimmer Switch to power supply BEFORE plugging power supply into the AC outlet.

RF Receiver for Remote Dimmer or Light/Motion Sensor

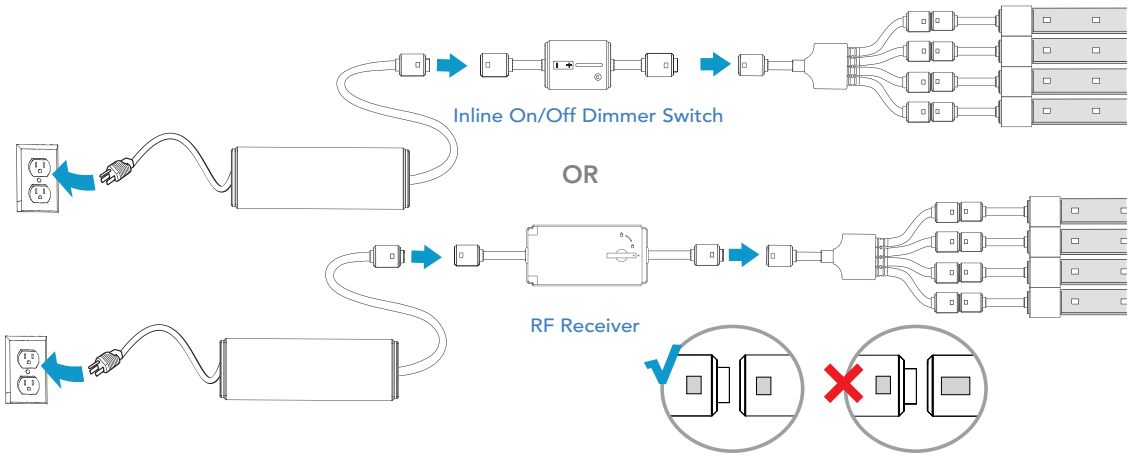
The RF Receiver for either the Remote Dimmer or the Light/Motion Sensor fits between the PS-Link Connector and the power supply. Matching the icons, connect the receiver to the PS-Link Connector and the power supply. Plug the power supply into the AC outlet.



IMPORTANT: Connect RF Receiver to power supply BEFORE plugging power supply into the AC outlet.

Using 4 Way Power Splitter

When using the 4 Way Power Splitter with any of the accessories connect the RF Receiver or Inline On/Off Dimmer Switch to the power supply and then connect it to the 4 Way Power Splitter.



IMPORTANT: Connect RF Receiver or Inline On/Off Dimmer Switch to power supply BEFORE plugging power supply into the AC outlet.

Troubleshooting

Systems Installed Without Accessories

Most of the problems you may encounter will be caused by improper assembly. If you have any questions or need to purchase additional parts, please contact our Customer Service Department.

Issue	Go Through the Solutions
None of the LED strip is lit	• Make sure power supply is plugged in and the AC power outlet is receiving power. • Check connection from PS-Link Connector to the power supply. • Check the connection on the PS-Link Connector to the CabLED strip. Pull the strip. If it comes out of the connector, you will need a new connector.
Only part of the LED strip is lit	• Check all connectors attached to the part of the strip that is not lit. Pull the CabLED strip. If it comes out of the connector, you will need a new connector.
LED strip is flashing On and OFF	• Check the specifications for the power supply to ensure it supports the length of CabLED you are using. Select the appropriate strength or install an additional power supply to support your installation.
LED strip not cut exactly on cut line	• Depending on how you cut the strip, you may still be able to save that section. The cutting tolerance is about +/-3 mm (+/- 1/8 inch) on either side of the cut line. Cutting in a straight line is crucial and the two wires inside the strip must be pushed to the very end inside the connector to make contact with the pins. • Go to the cut line before the cut line you incorrectly cut and make the section shorter. You may be able to adjust your layout by rearranging the sections. • Contact our Customer Service Department to purchase additional CabLED strip. You can use an I-Connector to connect the additional strip.
Connectors pushed together before installation	• If you pushed the connector top into the bottom before installation or if the CabLED strip was not pushed completely to the end of the connector and did not secure the strip, you may be able to save the part. Use a flat screw driver to gently widen the sides of the top connector and push the bottom connector apart. NOTE: This may not fix the connector and you will need to use a new connector. • Contact our Customer Service Department to purchase additional connectors.

Troubleshooting

Systems Installed With Accessories

Most of the problems you may encounter will be caused by improper assembly. Check the Troubleshooting solutions for "Systems Installed Without Accessories" for issues not listed below. If you have any questions or need to purchase additional parts, please contact our Customer Service Department.

Issue	Go Through the Solutions
None of the LED strip is lit (With Inline On/Off Dimmer Switch attached)	• Go through solutions listed for "None of the LED strip is lit with no attached accessories". • Check connections on Inline On/Off Dimmer Switch to power supply and to PS-Link Connector. • Make sure the light switch connected to the AC outlet is turned on. • Press the power button on the Inline On/Off Dimmer Switch to make sure it is on. • Adjust the dimming level to the maximum.
None of the LED strip is lit (With Motion Sensor attached)	• Go through solutions listed for "None of the LED strip is lit with no attached accessories". • Set the receiver to the ON position and check connection from PS-Link Connector. With the power supply plugged into the AC outlet, if the strip lights, set the receiver to AUTO.
The strip doesn't light when walking by Motion Sensor	• Go through the solutions above, if the strip is lit, make sure the receiver is set to AUTO. • Make sure the Motion Sensor is turned ON and the ambient light setting is set to minimum, so that it will be activated in the dark when testing. • Make sure fresh batteries are properly installed in the Motion Sensor. Set the ambient light setting to minimum and turn the Motion Sensor ON. The red LED under the lens on the front of the Motion sensor will blink after 30 seconds indicating it is warmed up and synchronized to the receiver. • If the red LED doesn't blink, follow the instructions for "Synchronize Receiver".
None of the LED strip is lit (Using Remote Dimmer)	• Go through solutions listed for "None of the LED strip is lit with no attached accessories". • Set the receiver to the ON position and check connection from PS-Link Connector. With the power supply plugged into the AC outlet, if the strip lights, set the receiver to AUTO. • Make sure fresh batteries are properly installed in the Remote Dimmer. Point the Remote Dimmer in the direction of the receiver and press power button to turn on. • If the blue LED doesn't blink, follow the instructions for "Synchronize Receiver".
Motion Sensor or Remote Dimmer LED is blinking continuously	• Replace the batteries.

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