

## LED LIGHTING FOR CABINETS AND SHELVES: WIRING TIPS

While the wiring for each kitchen cabinet or shelf may vary, our cabinet light accessories make it effortless to customize for any design. We would be delighted to offer you some suggestions on how to wire the cabinet lights using our Cabinet Light accessories.

Available color temperatures for all series:



## Cabinet Lights



### MATT SERIES



#### Mounting Methods



## Ordering Guide

### PART NUMBER BUILDER / ORDERING GUIDE

Example part number: **VBUN-R25-12V-RED-2400K**

MODEL	FIXTURE COLOR	COLOR TEMPERATURE	
VBUN-R25-12V			
	Matt White	2400K	3500K
	Matt Silver Grey	2700K	4000K
	Matt Red	3000K	5000K
	Matt Black		
	Matt Gold		
	Matt Blue		

### SHINE SERIES



#### Mounting Methods



### PART NUMBER BUILDER / ORDERING GUIDE

Example part number: **VBUN-2R25-12V - Shine Gold - 2400K**

MODEL	FIXTURE COLOR	COLOR TEMPERATURE	
VBUN-2R25-12V			
	Shine White	2400K	3500K
	Shine Silver Grey	2700K	4000K
	Shine Polished Chrome	3000K	5000K
	Shine Black		
	Shine Gold		

### ULTRA THIN SERIES



### PART NUMBER BUILDER / ORDERING GUIDE

Example part number: **VBUN-S50-12V-GOLD-2400K**

MODEL	FIXTURE COLOR	COLOR TEMPERATURE	
VBUN-S50-12V			
	Brushed Black	2400K	3500K
	Brushed Gold	2700K	4000K
	Brushed Nickel	3000K	5000K

Please download this form and email it to: [sales@veroboard.com](mailto:sales@veroboard.com)

Name: \_\_\_\_\_ Company: \_\_\_\_\_ Phone: \_\_\_\_\_ PO: \_\_\_\_\_

#### Attention:

- Before attempting installation, check your local Electrical code. This code sets the wiring standards for your locality and should be carefully studied before starting.
- To ensure safety and compliance, we recommend hiring a certified electrician for any of the following instructions.

## Door Sensors

Cabinet door light sensors are convenient and energy-efficient, as they ensure that the light inside the cabinet or closet is only ON when it is needed, reducing energy consumption and prolonging the life of the light bulb. They are commonly used in kitchen cabinets, wardrobes, and other types of storage spaces.



**VBD-DOOR-DB-60**  
Double Door Trigger  
Infrared Sensor

**SKU: 666561425272**

Input Wire: 1.5m (4.9ft)  
Output Wire: 15cm (6in)  
Sensor Wire: 1m (3.2ft)  
24AWG



**VBD-DOOR-SNG-60**  
Sensor Switch Type 2

**SKU: 666561403461**

Input Wire: 1.5m (4.9ft)  
Output Wire: 15cm (6in)  
Sensor Wire: 1m (3.2ft)  
24AWG

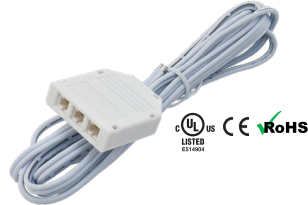
## Distributors and Extension



**4 Way Distributor**

2m (6.5ft) 18AWG

**SKU: 666561426118**



**3 Way Distributor**

2m (6.5ft) 18AWG

**SKU: 666561426101**



**2 Pin Dupont Male and  
Female Extension Cable**

1m (3.2ft) 22AWG

**SKU: 666561426248**

## Recommended Power Supplies



**OTM-E60 Multiple Output CV  
Non-Dimmable - 50W**

**SKU: 666561425425**

The number of cabinet lights that  
can operate with this power supply:  
20 x 2.5W or  
10 x 5W



**VBD-012-024DM**  
Triac Dimmable - 24W

**SKU: 666561415761**

The number of cabinet lights that  
can operate with this power supply:  
8 x 2.5W or  
4 x 5W



**VBD-012-048DM**  
Triac Dimmable - 48W

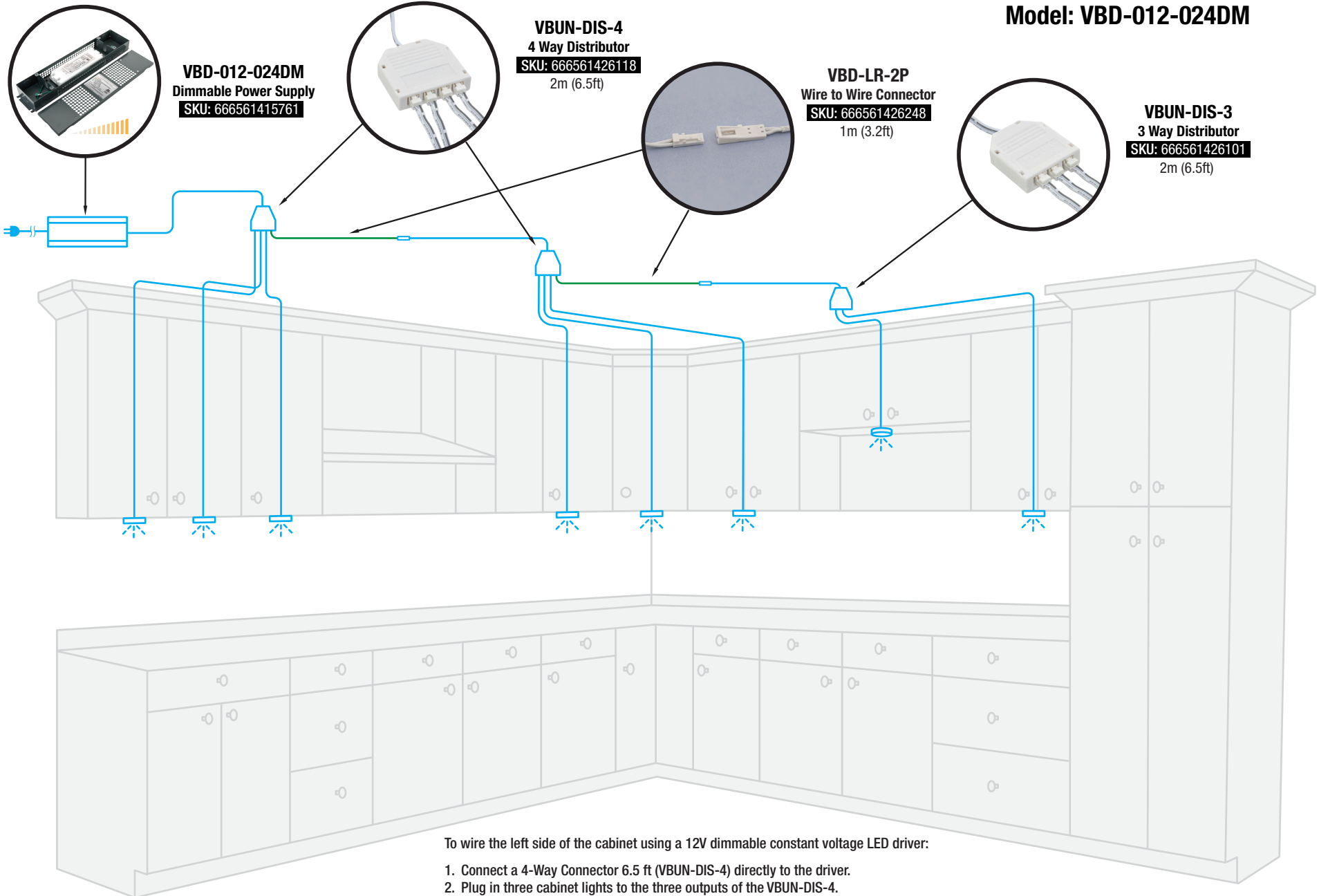
**SKU: 666561415754**

The number of cabinet lights that  
can operate with this power supply:  
16 x 2.5W or  
8 x 5W

### Attention:

- Before attempting installation, check your local Electrical code. This code sets the wiring standards for your locality and should be carefully studied before starting.
- To ensure safety and compliance, we recommend hiring a certified electrician for any of the following instructions.

# Dimmable CV Power Supply Model: VBD-012-024DM



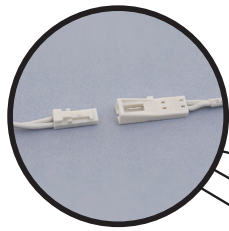
To wire the left side of the cabinet using a 12V dimmable constant voltage LED driver:

1. Connect a 4-Way Connector 6.5 ft (VBUN-DIS-4) directly to the driver.
2. Plug in three cabinet lights to the three outputs of the VBUN-DIS-4.
3. Plug in one more 4-Way Connector 6.5 ft (VBUN-DIS-4) to the last output of the first connector that is already connected to the driver.
4. Plug in three more cabinet lights to the three outputs of the second VBUN-DIS-4 connector.
5. Plug in one more 3-Way Connector 6.5 ft (VBUN-DIS-3) to the last output of the second connector.
6. Finally, plug in the last two cabinet lights to the VBUN-DIS-3 connector.

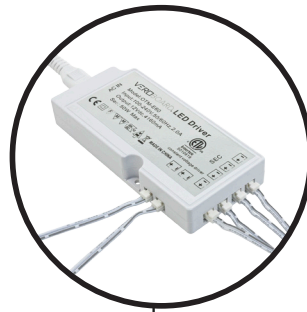
**Note:** You can use a wire-to-wire connector (VBD-LR-2P) for long distances, as shown in the drawing.

**Note:** This dimmable power supply can be used if the wattage for each cabinet light is 2.5W.

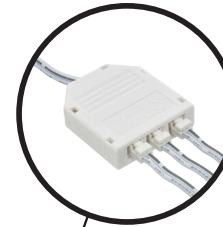
# Non-Dimmable Multiple Output CV LED Power Supply Model: OTM-E60



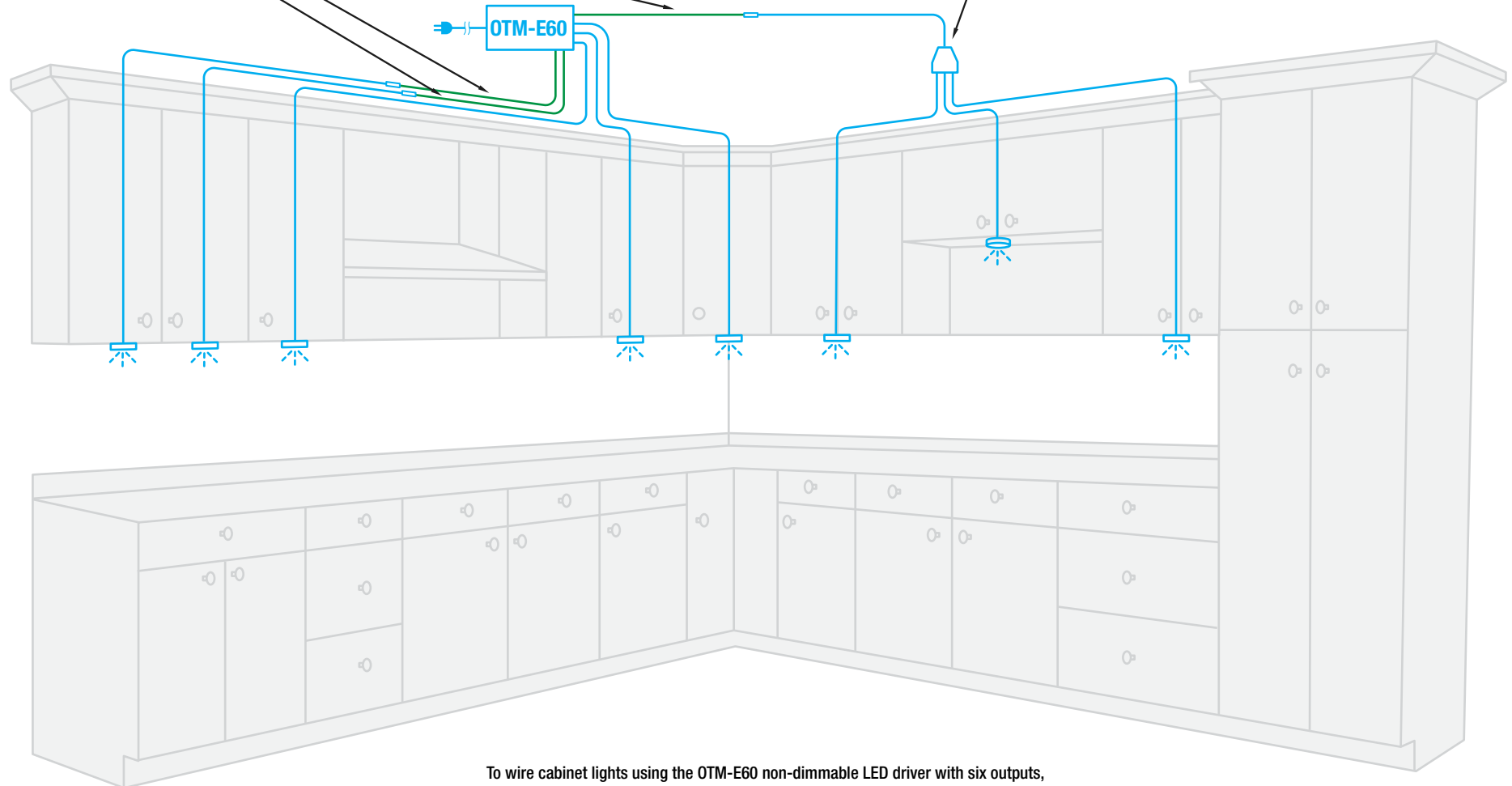
**VBD-LR-2P**  
Wire to Wire Connector  
SKU: 666561426248



**OTM-E60**  
Power Supply  
SKU: 666561425425



**VBUN-DIS-3**  
3 Way Distributor  
SKU: 666561426101

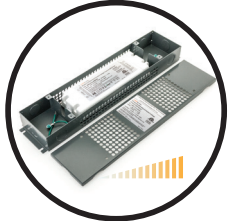


To wire cabinet lights using the OTM-E60 non-dimmable LED driver with six outputs, located in the middle of the left side of the cabinet:

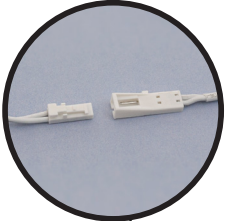
1. Plug-In five cabinet lights directly to the driver for the left side of the cabinet.
2. Plug-In a 3-way connector (VBUN-DIS-3) to the last output of the driver.
3. Finally, connect three cabinet lights to the VBUN-DIS-3 to wire the right side of the cabinet.

**Note:** You can use a wire-to-wire connector (VBD-LR-2P) for long distances, as shown in the drawing.

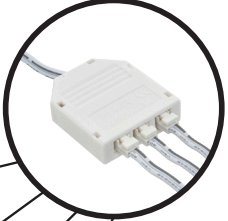
# Dimmable CV Power Supplies Model: VBD-012-048DM



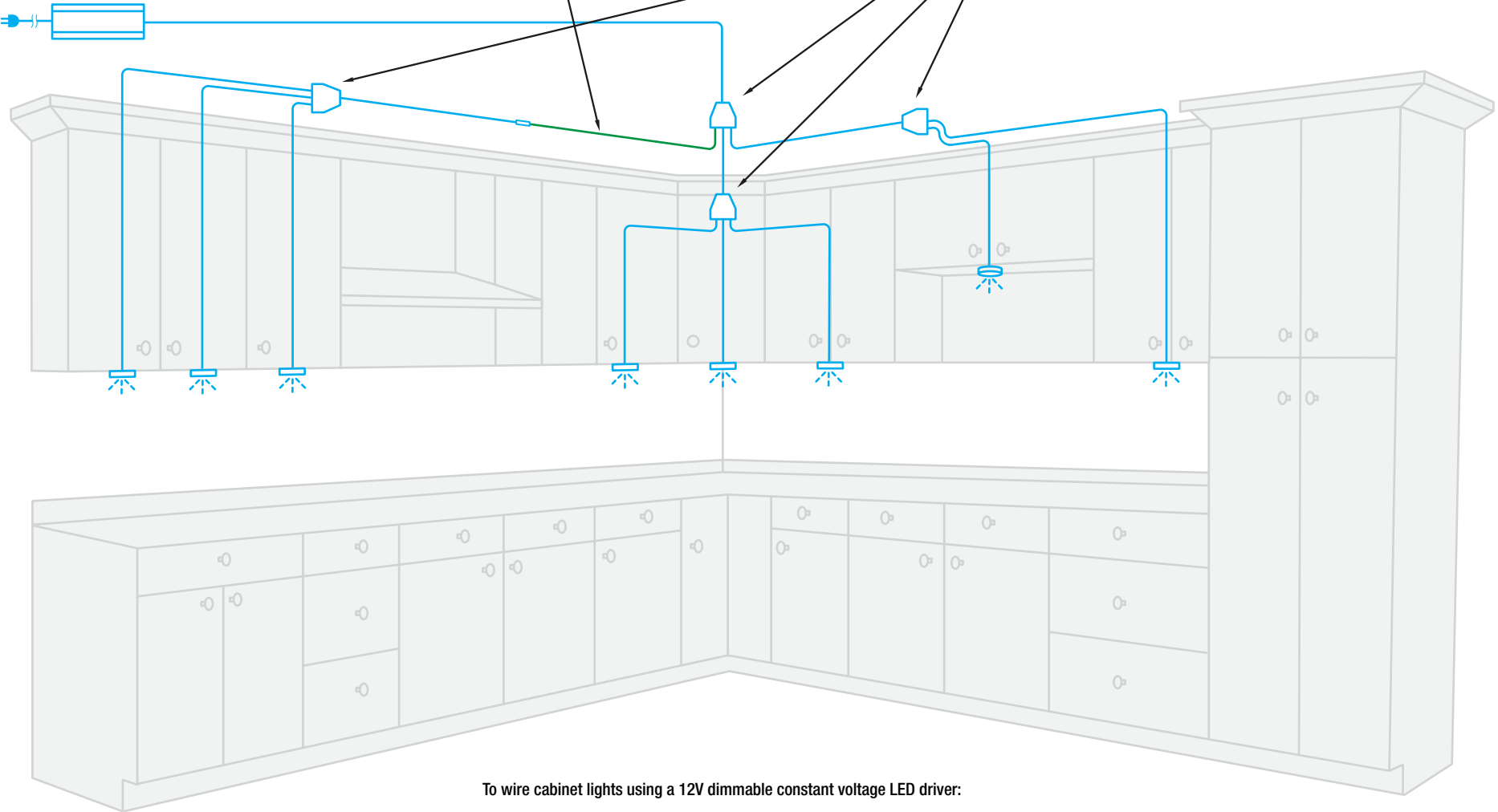
**VBD-012-048DM**  
Dimmable Power Supply  
SKU: 666561415754



**VBD-LR-2P**  
Wire to Wire Connector  
SKU: 666561426248  
1m (3.2ft)



**VBUN-DIS-3**  
3 Way Distributor  
SKU: 666561426101  
2m (6.5ft)



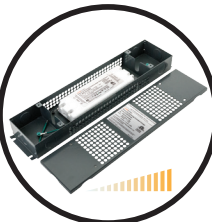
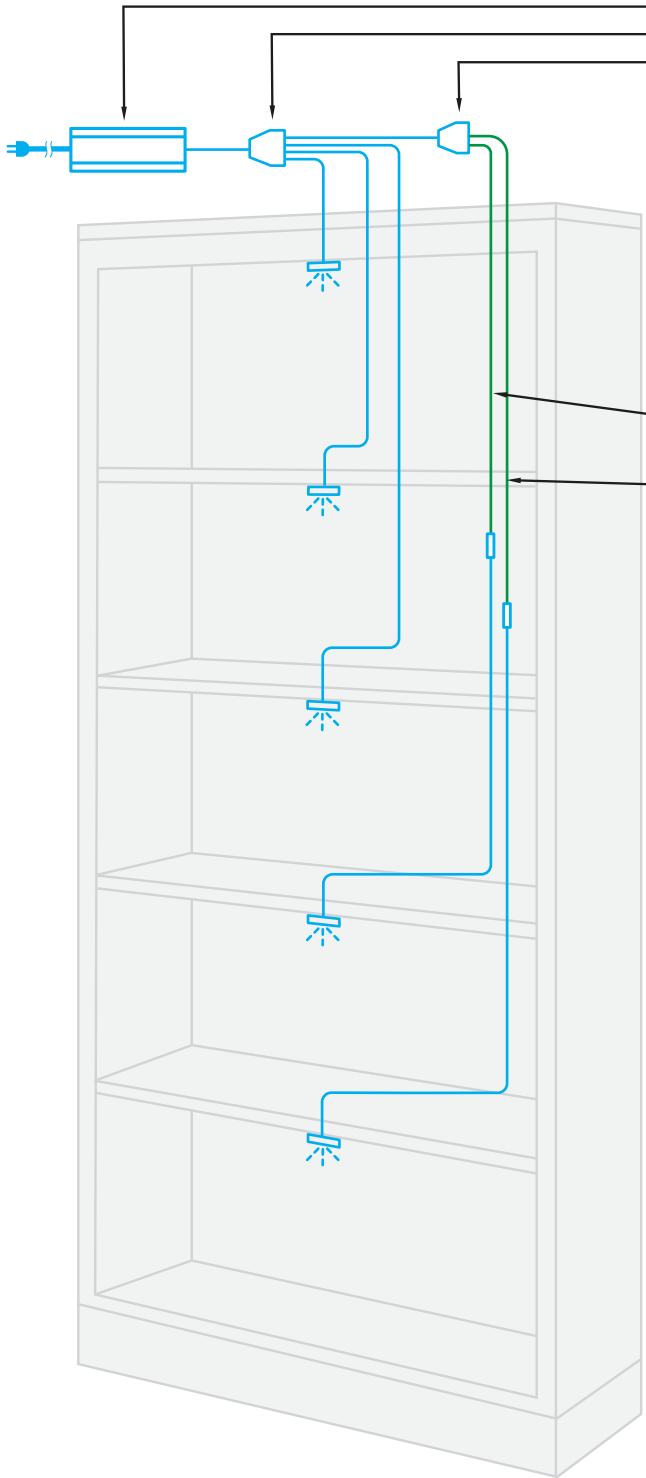
To wire cabinet lights using a 12V dimmable constant voltage LED driver:

- 1. Connect a 3-way connector (VBUN-DIS-3) to the output of the driver, making sure it is 12V.
- 2. Plug-In three more VBUN-DIS-3 connectors to each output of the first connector that is already connected to the driver.
- 3. You can place the connectors on the left, middle, and right sides of the cabinet.
- 4. Simply plug-In your cabinet lights to every output of the connectors.

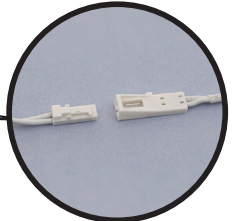
**Note:** You can use a wire-to-wire connector (VBD-LR-2P) for long distances, as shown in the drawing.  
**Note:** This dimmable power supply can be used if the wattage for each cabinet light is 5W.

# Dimmable CV Power Supplies

Model: VBD-012-024DM



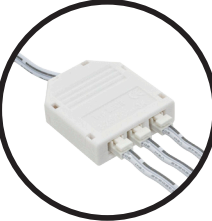
**VBD-012-024DM**  
Dimmable Power Supply  
SKU: 666561415761



**VBD-LR-2P**  
Wire to Wire Connector  
SKU: 666561426248  
1m (3.2ft)



**VBUN-DIS-4**  
4 Way Distributor  
SKU: 666561426118  
2m (6.5ft)



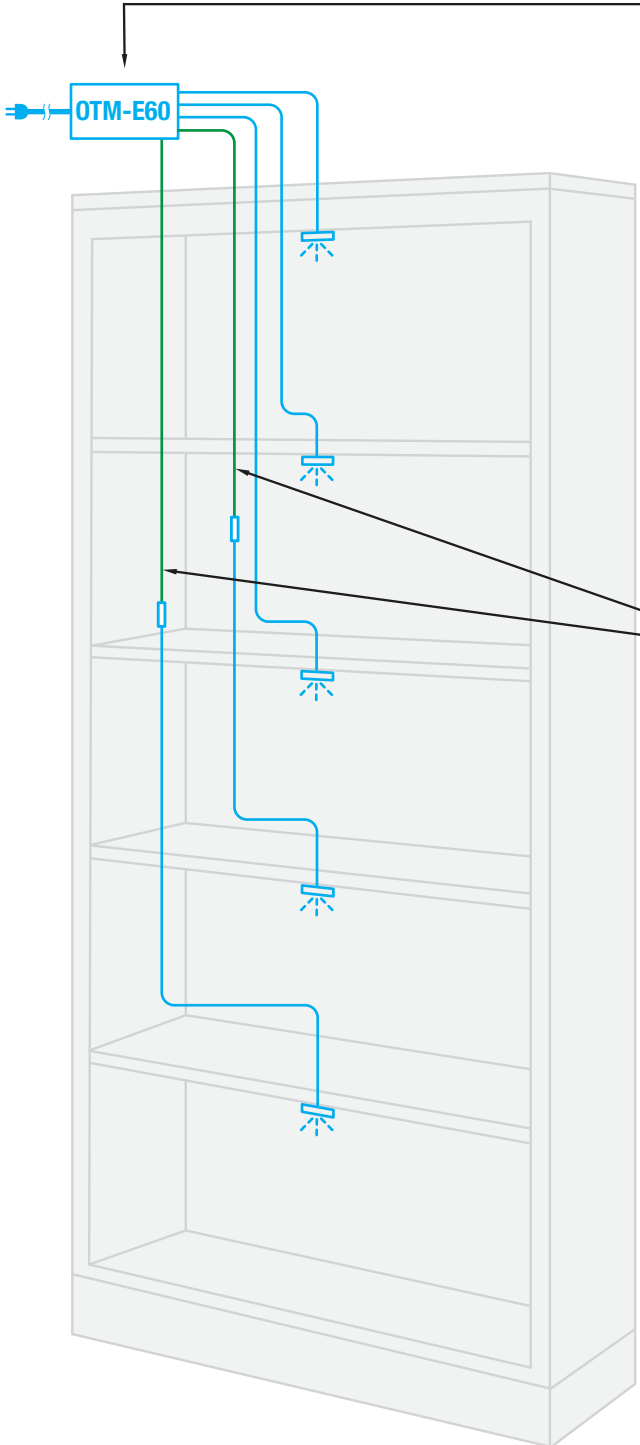
**VBUN-DIS-3**  
3 Way Distributor  
SKU: 666561426101  
2m (6.5ft)

Using a 12V Dimmable Constant Voltage LED Driver:

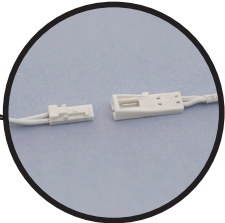
1. Connect the 4-way connector 6.5ft (VBUN-DIS-4) directly to the LED Driver.
2. Plug in three puck lights to the three outputs of the VBUN-DIS-4.
3. Connect the 3-Way Connector 6.5 ft (VBUN-DIS-3) to the last output of the connector that is already connected to the driver.
4. Finally, plug in the last two puck lights to the VBUN-DIS-3 connector.

Note: You can use a wire-to-wire connector (VBD-LR-2P) for long distances, as shown in the drawing.  
Note: This dimmable power supply can be used if the wattage for each cabinet light is 2.5W.

**Non-Dimmable Multiple  
Output CV LED Power Supply  
Model: OTM-E60**



**OTM-E60  
Power Supply**  
SKU: 666561425425



**VBD-LR-2P  
Wire to Wire Connector**  
SKU: 666561426248  
1m (3.2ft)

Using the OTM-E60 non-dimmable LED driver with six outputs, you can directly connect all the puck lights to the driver.

**Note:** You can use a wire-to-wire connector (VBD-LR-2P) for long distances, as shown in the drawing.

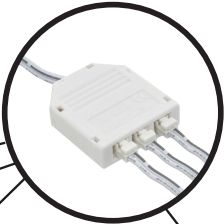
# Dimmable CV Power Supply Model: VBD-012-024DM

**VBD-DOOR-DBL-60**  
Double Door Trigger  
Infrared Sensor

**SKU: 666561425272**  
Input Wire: 1.5m (4.9ft)  
Output Wire: 15cm (6in)  
Sensors Wire: 1m (3.2ft)



**VBD-DOOR-SNG-60**  
Sensor Switch Type 2  
**SKU: 666561403461**  
1.5m (4.9ft)



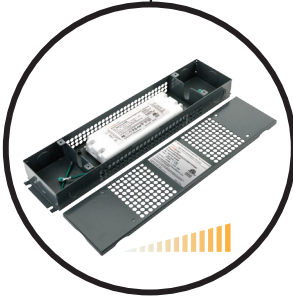
**VBUN-DIS-3**  
3 Way Distributor  
**SKU: 666561426101**  
2m (6.5ft)



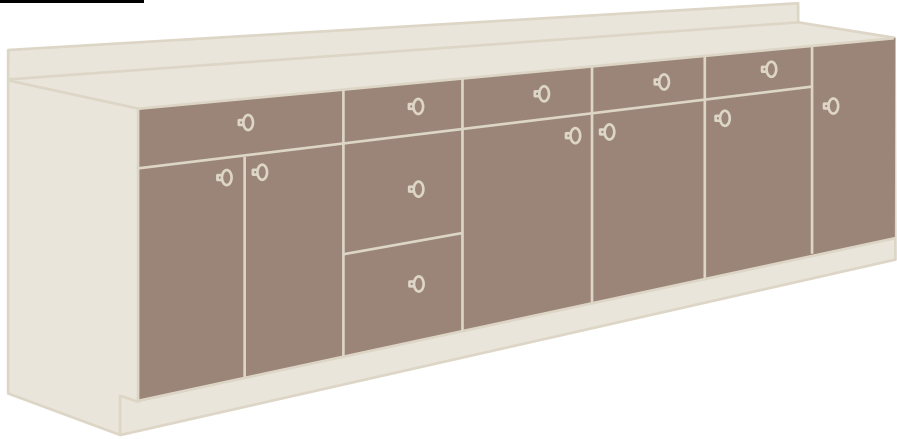
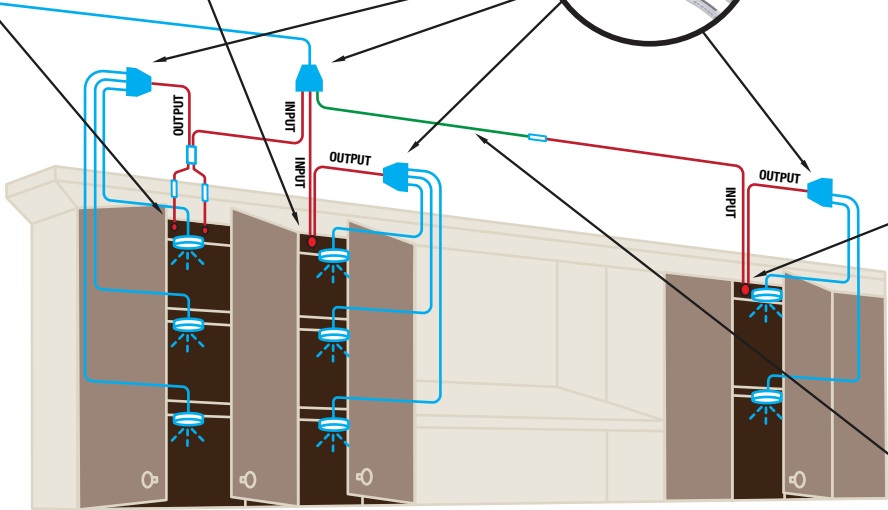
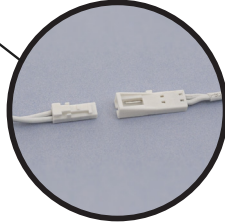
**VBD-DOOR-SNG-60**  
Sensor Switch Type 2  
**SKU: 666561403461**  
1.5m (4.9ft)



**VBD-012-024DM**  
Dimmable Power Supply  
**SKU: 666561415761**



**VBD-LR-2P**  
Wire to Wire Connector  
**SKU: 666561426248**  
1m (3.2ft)

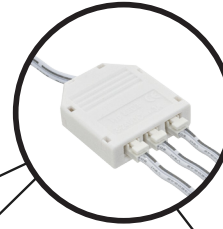




**VBD-DOOR-DBL-60**  
 Double Door Trigger  
 Infrared Sensor  
**SKU: 666561425272**  
 Input Wire: 1.5m (4.9ft)  
 Output Wire: 15cm (6in)  
 Sensors Wire: 1m (3.2ft)



**VBD-DOOR-SNG-60**  
 Sensor Switch Type 2  
**SKU: 666561403461**  
 1.5m (4.9ft)

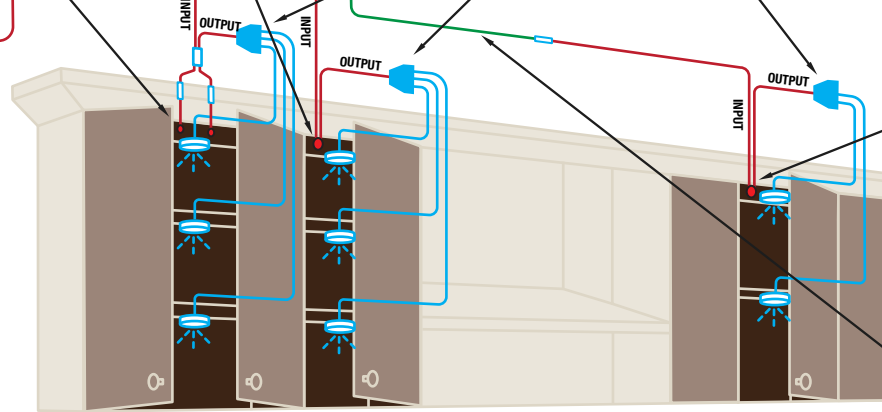


**VBUN-DIS-3**  
 3 Way Distributor  
**SKU: 666561426101**  
 2m (6.5ft)

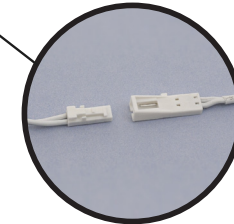
# Non-Dimmable Multiple Output CV LED Power Supply Model: OTM-E60

**OTM-E60**

**OTM-E60**  
 Power Supply  
**SKU: 666561425425**



**VBD-DOOR-SNG-60**  
 Sensor Switch Type 2  
**SKU: 666561403461**  
 1.5m (4.9ft)



**VBD-LR-2P**  
 Wire to Wire Connector  
**SKU: 666561426248**  
 1m (3.2ft)

