

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

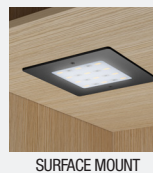


PART NUMBER BUILDER / ORDERING GUIDE

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

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-FAST
Sensor Switch Type 2

SKU: 666561403461

Input Wire: 2m (6.5ft)
Output Wire: 15cm (6in)

UL CE RoHS

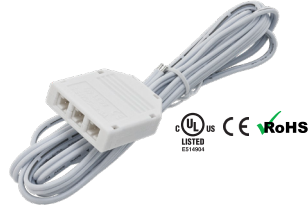
Distributors and Extension



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



(Non-Dimmable)

**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



(Dimmable)

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



(Dimmable)

VBD-012-048DM
Triac Dimmable - 48W

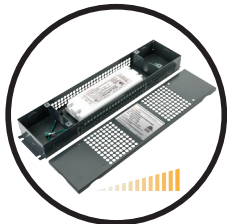
SKU: 666561415754

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

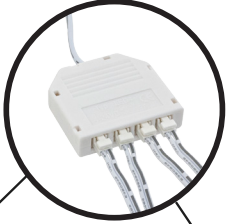
Attention:

- 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.

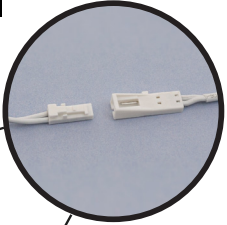
Dimmable CV Power Supply Model: VBD-012-024DM



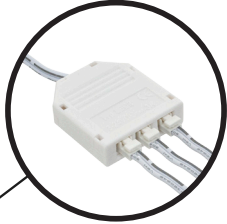
VBD-012-024DM
Dimmable Power Supply
SKU: 666561415761



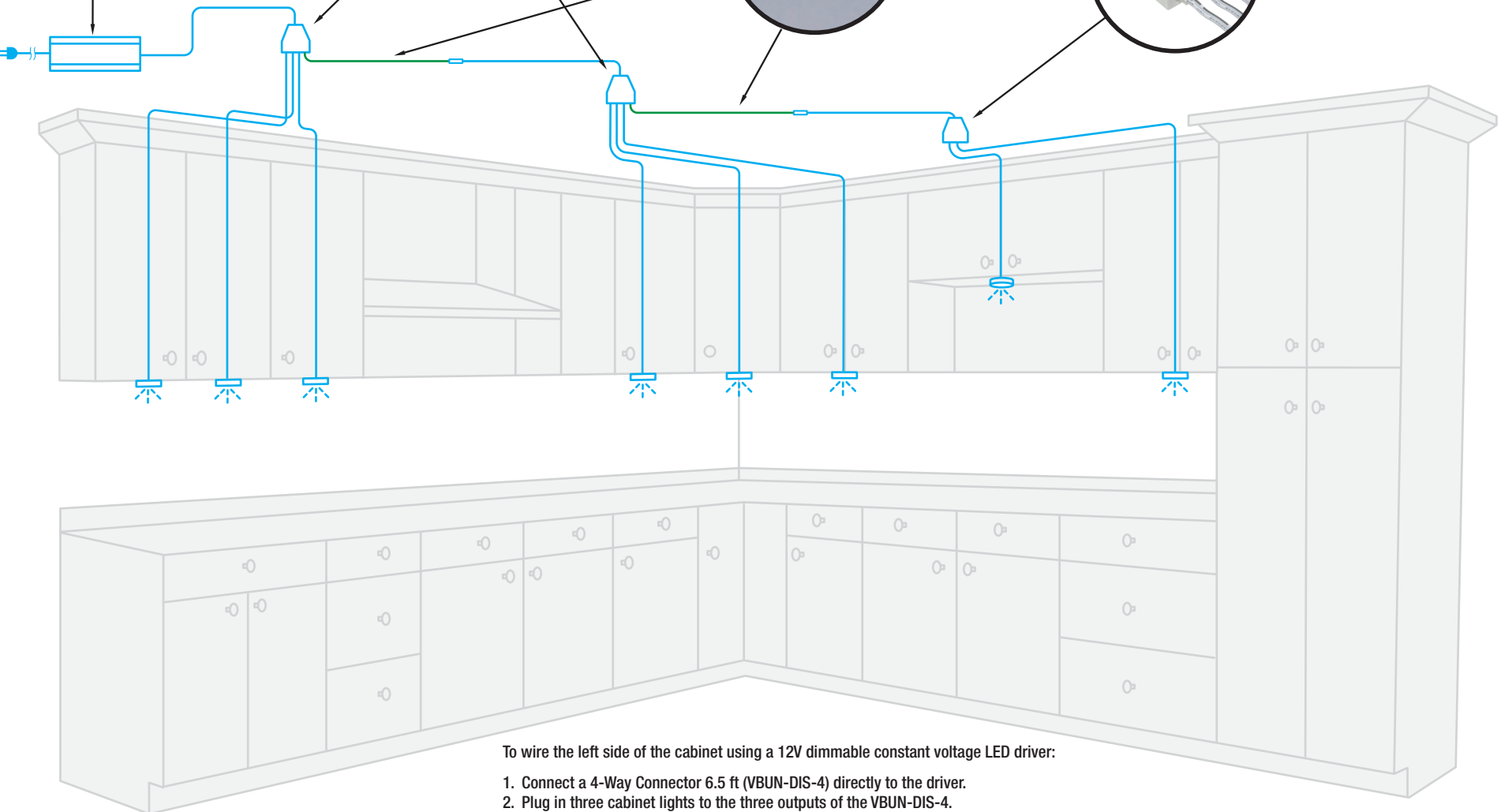
VBUN-DIS-4
4 Way Distributor
SKU: 666561426118
2m (6.5ft)



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



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

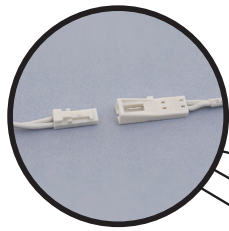


To wire the left side of the cabinet using a 12V dimmable constant voltage LED driver:

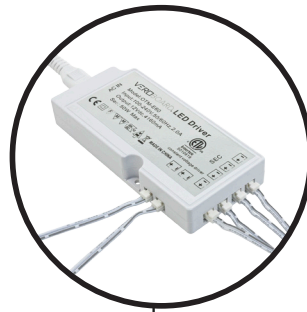
1. Connect a 4-Way Connector 6.5 ft (VBUN-DIS-4) directly to the driver.
2. Plug in three cabinet lights to the three outputs of the VBUN-DIS-4.
3. Plug in one more 4-Way Connector 6.5 ft (VBUN-DIS-4) to the last output of the first connector that is already connected to the driver.
4. Plug in three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

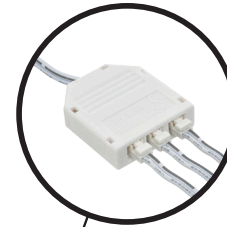
Non-Dimmable Multiple Output CV LED Power Supply Model: OTM-E60



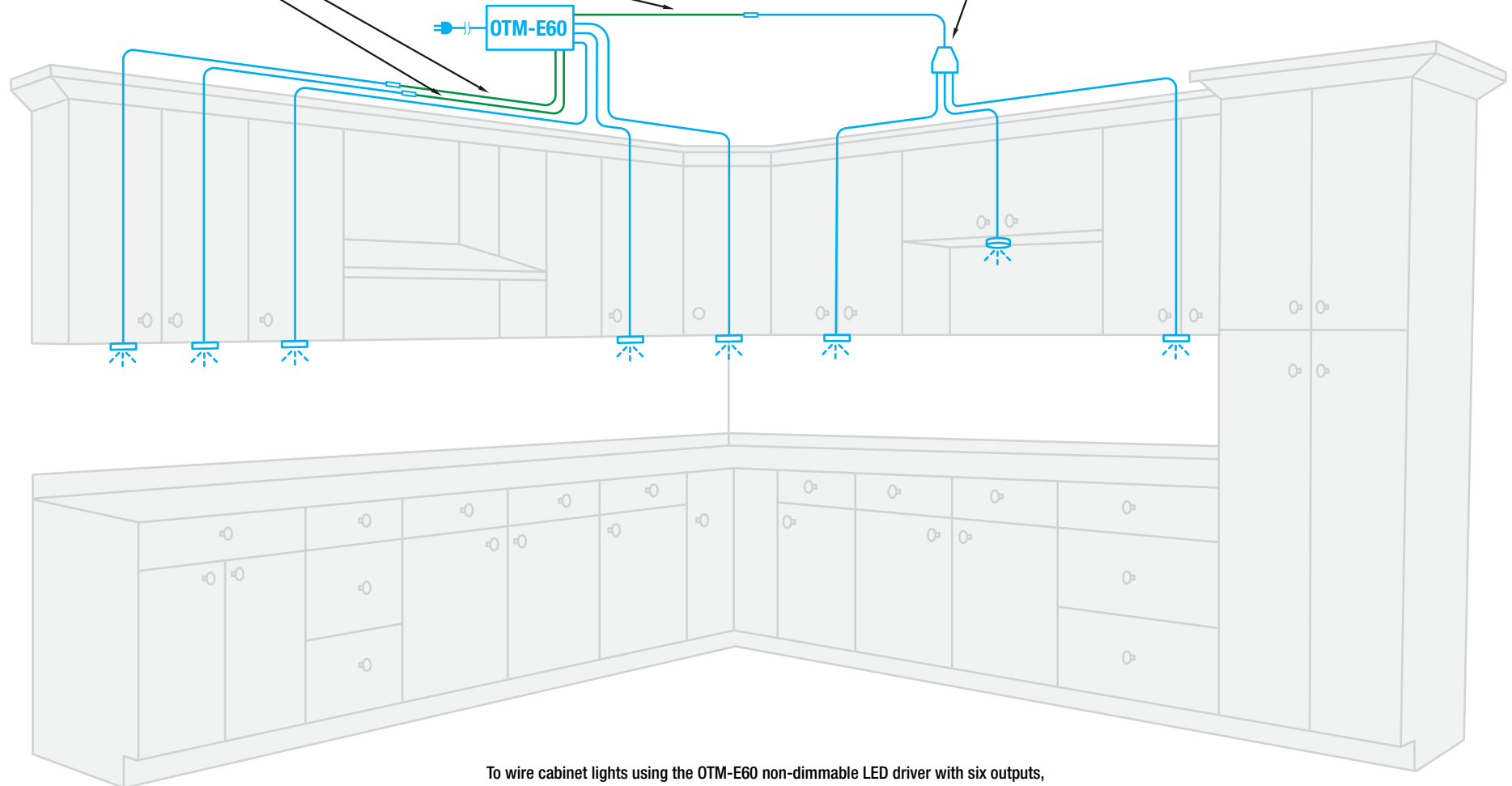
VBD-LR-2P
Wire to Wire Connector
SKU: 666561426248



OTM-E60
Power Supply
SKU: 666561425425



VBUN-DIS-3
3 Way Distributor
SKU: 666561426101

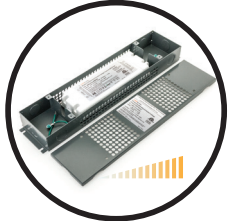


To wire cabinet lights using the OTM-E60 non-dimmable LED driver with six outputs, located in the middle of the left side of the cabinet:

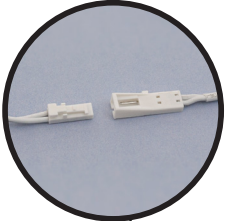
1. Plug-In five cabinet lights directly to the driver for the left side of the cabinet.
2. Plug-In a 3-way connector (VBUN-DIS-3) to the last output of the driver.
3. Finally, connect three cabinet lights to the VBUN-DIS-3 to wire the right side of the cabinet.

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

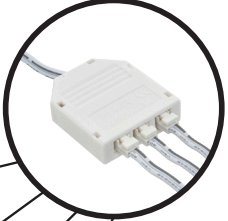
Dimmable CV Power Supplies Model: VBD-012-048DM



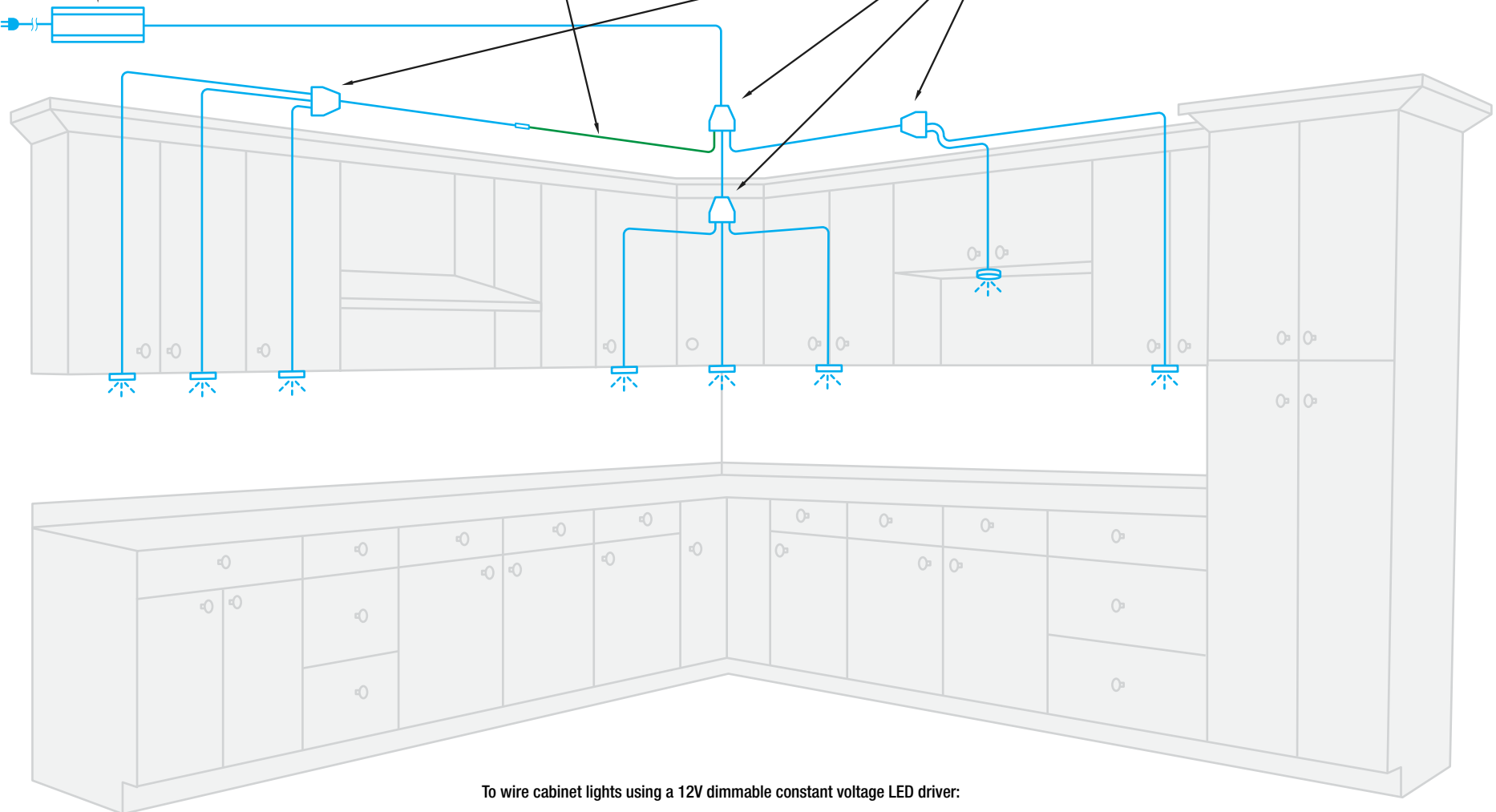
VBD-012-048DM
Dimmable Power Supply
SKU: 666561415754



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



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



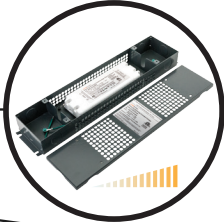
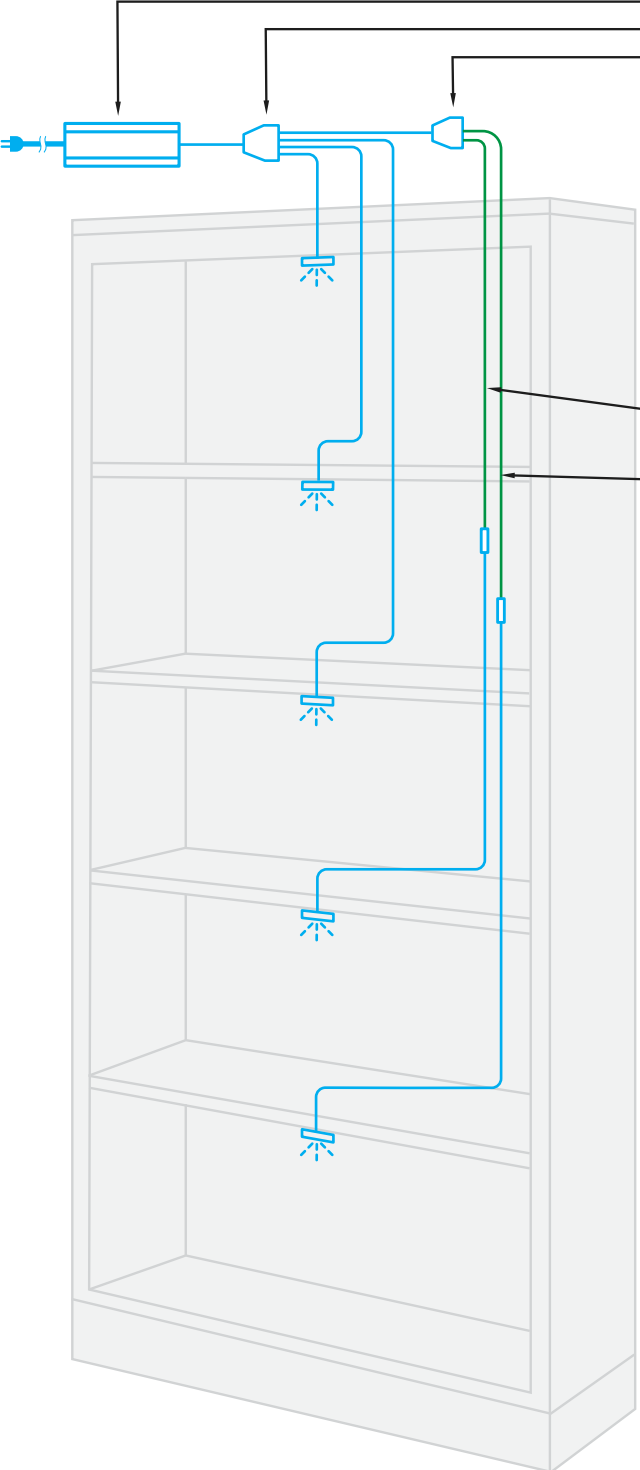
To wire cabinet lights using a 12V dimmable constant voltage LED driver:

- 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.

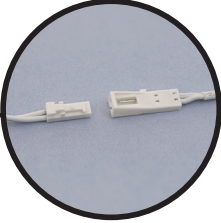
Note: You can use a wire-to-wire connector (VBD-LR-2P) for long distances, as shown in the drawing.
Note: This dimmable power supply can be used if the wattage for each cabinet light is 5W.

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)



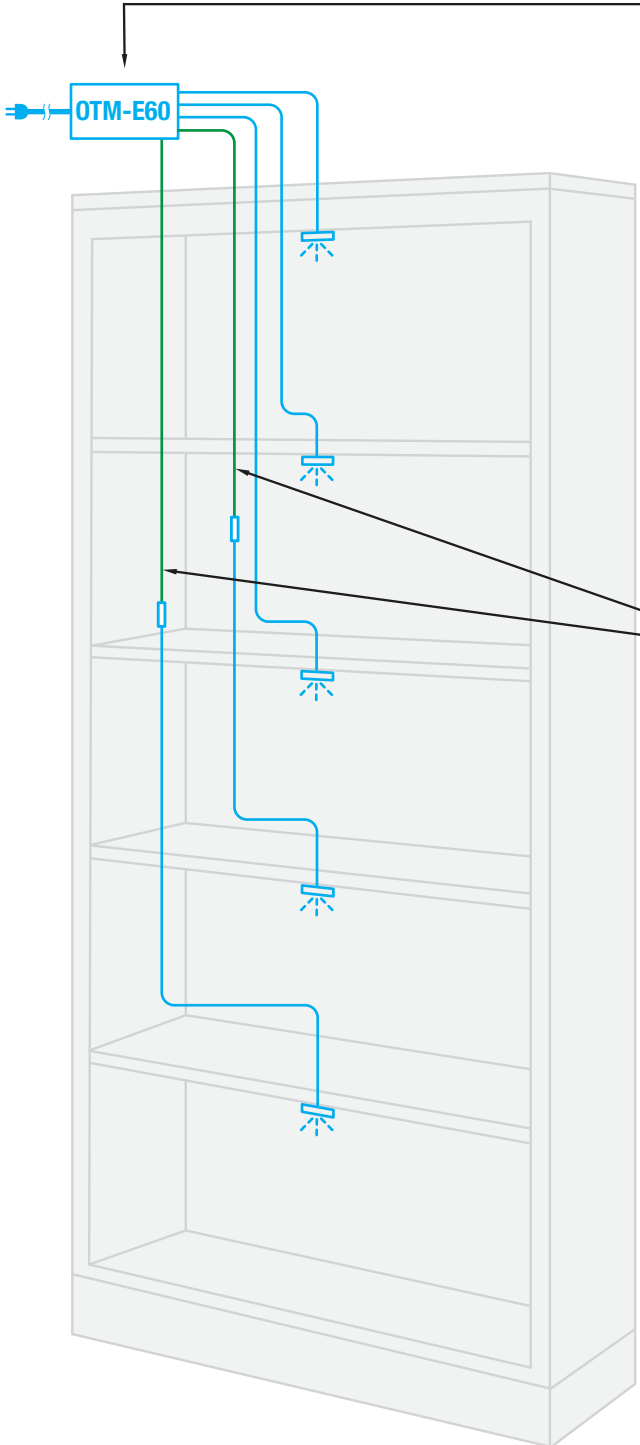
VBUN-DIS-3
3 Way Distributor
SKU: 666561426101
2m (6.5ft)

Using a 12V Dimmable Constant Voltage LED Driver:

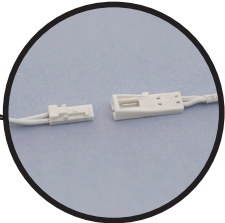
1. Connect the 4-way connector 6.5ft (VBUN-DIS-4) directly to the LED Driver.
2. Plug in three puck lights to the three outputs of the VBUN-DIS-4.
3. Connect the 3-Way Connector 6.5 ft (VBUN-DIS-3) to the last output of the connector that is already connected to the driver.
4. Finally, plug in the last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

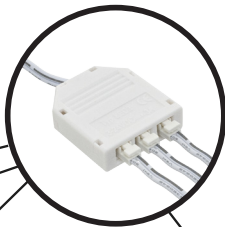
VBD-DOOR-DBL-60
 Double Door Trigger
 Infrared Sensor
SKU: 666561425272
 Input Wire: 1.5m (4.9ft)
 Output Wire: 15cm (6in)
 Sensors Wire: 1m (3.2ft)



VBD-DOOR-SNG-FAST
 Sensor Switch Type 2
SKU: 666561403461
 Input Wire: 2m (6.5ft)
 Output Wire: 15cm (6in)



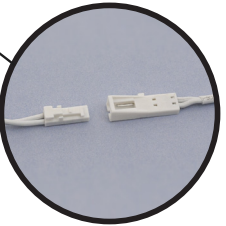
VBUN-DIS-3
 3 Way Distributor
SKU: 666561426101
 2m (6.5ft)



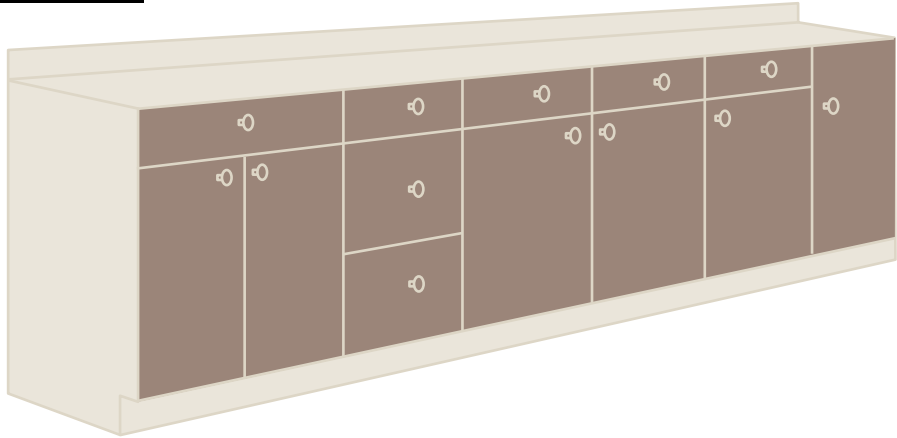
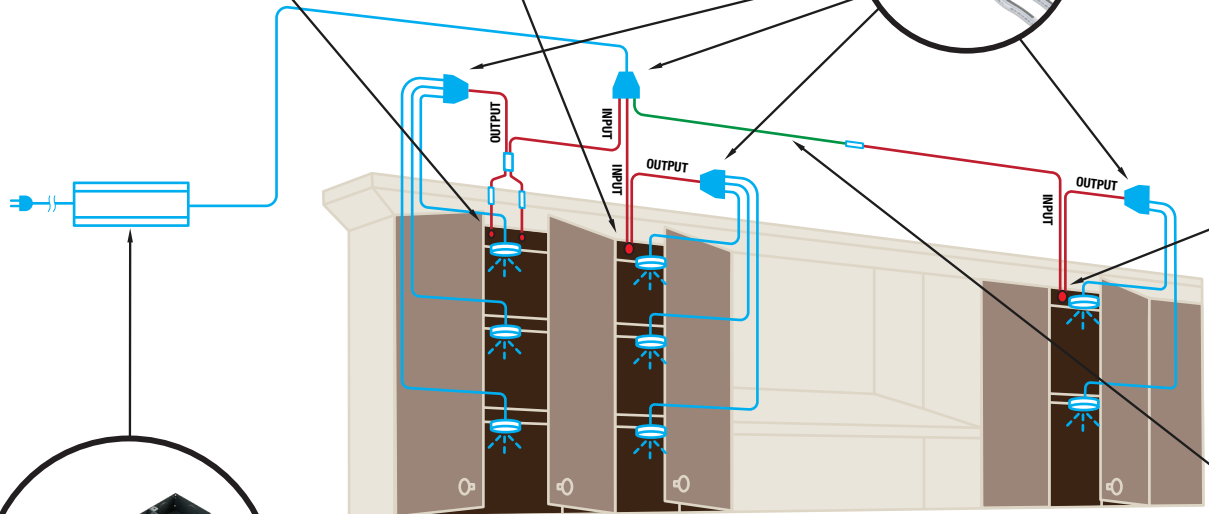
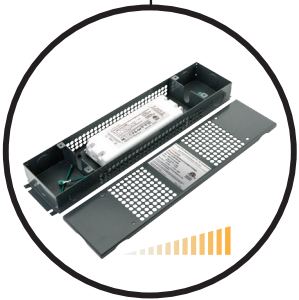
VBD-DOOR-SNG-FAST
 Sensor Switch Type 2
SKU: 666561403461
 Input Wire: 2m (6.5ft)
 Output Wire: 15cm (6in)



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



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



Ordering Example:

Step-by-Step Ordering Guide for This Configuration
VBD-012-024DM - 1 VBD-DOOR-DBL-60 - 2 VBD-DOOR-SNG-FAST - 4 (3WAY) - 1 EXTENSION

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

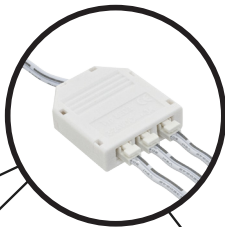
VBD-DOOR-DBL-60
Double Door Trigger Infrared Sensor
SKU: 666561425272
Input Wire: 1.5m (4.9ft)
Output Wire: 15cm (6in)
Sensors Wire: 1m (3.2ft)



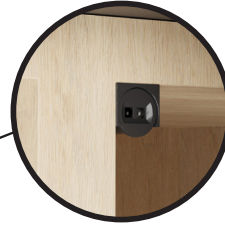
VBD-DOOR-SNG-FAST
Sensor Switch Type 2
SKU: 666561403461
Input Wire: 2m (6.5ft)
Output Wire: 15cm (6in)



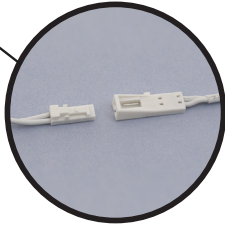
VBUN-DIS-3
3 Way Distributor
SKU: 666561426101
2m (6.5ft)



VBD-DOOR-SNG-FAST
Sensor Switch Type 2
SKU: 666561403461
Input Wire: 2m (6.5ft)
Output Wire: 15cm (6in)



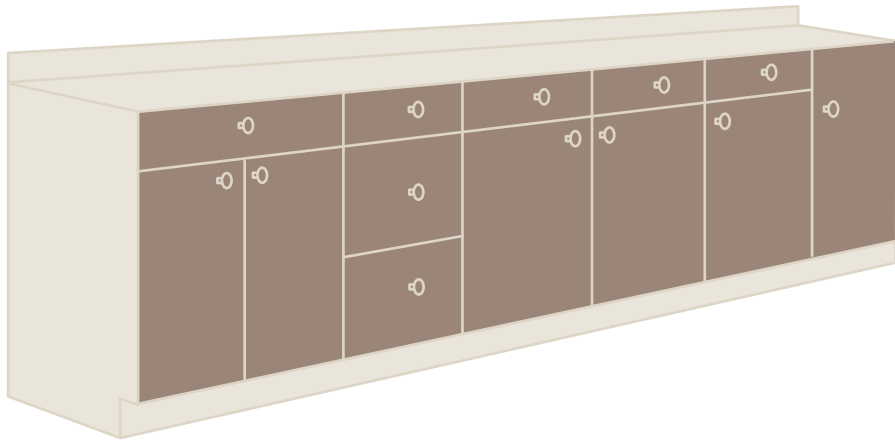
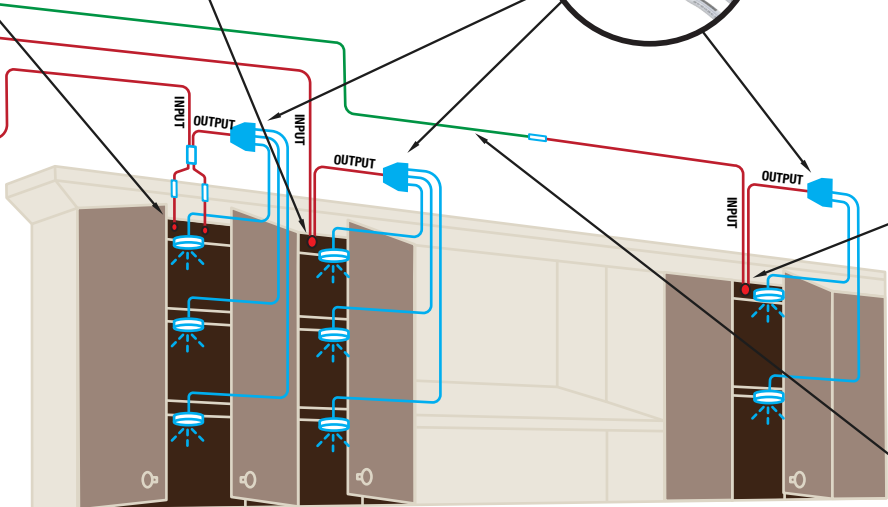
VBD-LR-2P
Wire to Wire Connector
SKU: 666561426248
1m (3.2ft)



OTM-E60



OTM-E60
Power Supply
SKU: 666561425425



Ordering Example:

Step-by-Step Ordering Guide for This Configuration
OTM-E60 - 1 VBD-DOOR-DBL-60 - 2 VBD-DOOR-SNG-FAST - 3 (3WAY) - 1 EXTENSION