![ESPEN TECHNOLOGY logo]

VersaDim RF Control System with 0-10V LED Driver
VersaDim RF Wall Switch and Remote Installation Guide

| **VC720MV-2W** | **VRF-DR** | **VRFA720MV-10V** |
| RF Wall Switch | RF Remote | RF 0-10V Adapter |

Important Notes

Please read before installing

1. Turn off power at circuit breaker or fuse before wiring.
2. VersaDim RF control system charger VC720MV-2W can be used line voltage single pole for relay on/off control and wireless remote charging. If wireless charging does not continuously function and needs troubleshooting, please check the wiring, connect the neutral for product to function.
3. FOR SUPPLY CONNECTOR, USE WIRES RATED FOR AT LEAST 75 °C and USE COPPER WIRE ONLY.

CAUTION - To Reduce The Risk of Overheating and Possible Damage to Other Equipment, Do Not Install to Control a Receptacle, a Motor-Operated Appliance or a Fluorescent Lighting Fixture or a Transformer Supplied Appliance.

ATTENTION - Pour réduire le risque de surchau_e et les possibles dommages à d'autres équipements, ne pas installer pour contrôler un réceptacle, un appareil à moteur ou un luminaire fluorescent ou un appareil fourni par transformateur.

Electrical Rating

Model	Input Voltage	Input Current Max.	Standby Wattage	Charging
VC720MV-2W RF Wall Switch	120Vac 50/60Hz 277Vac 50/60Hz Electronic ballast/ LED driver	6A 3A Electronic ballast/ LED driver	0.4W (wireless charging)	5Vdc 60mA (wireless charging)
VRF-DR RF Remote	120Vac 50/60Hz 277Vac 50/60Hz Electronic ballast/ LED driver	6A 3A Electronic ballast/ LED driver		
VRFA720MV-10V RF 0-10V Adapter	5Vdc (wireless charging)	60mA (wireless charging)		

Wiring

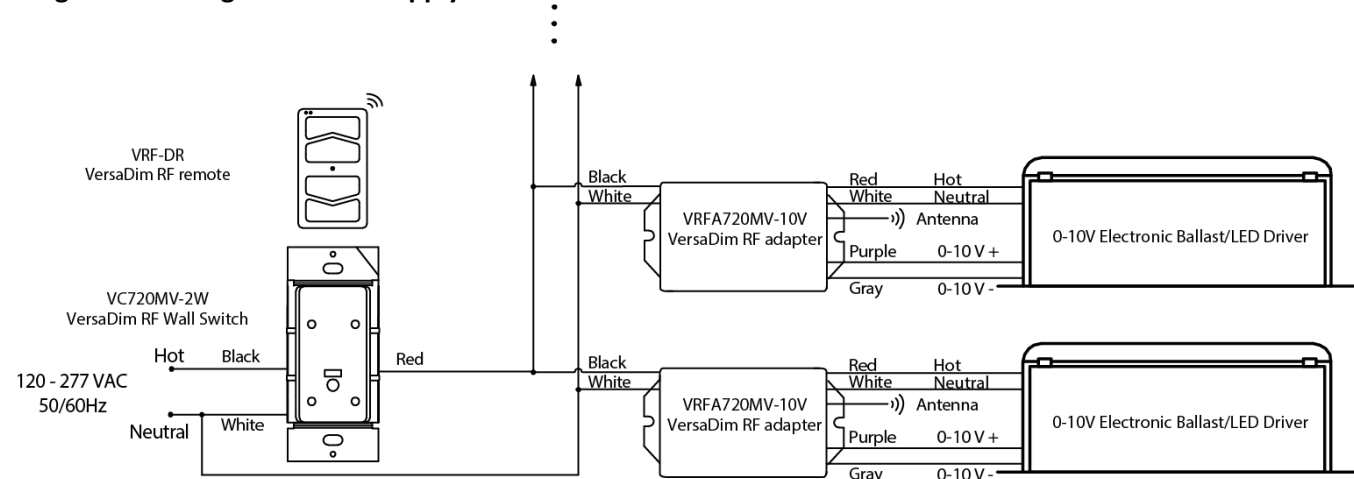**Diagram 1: Wiring LED Power Supply with Neutral**

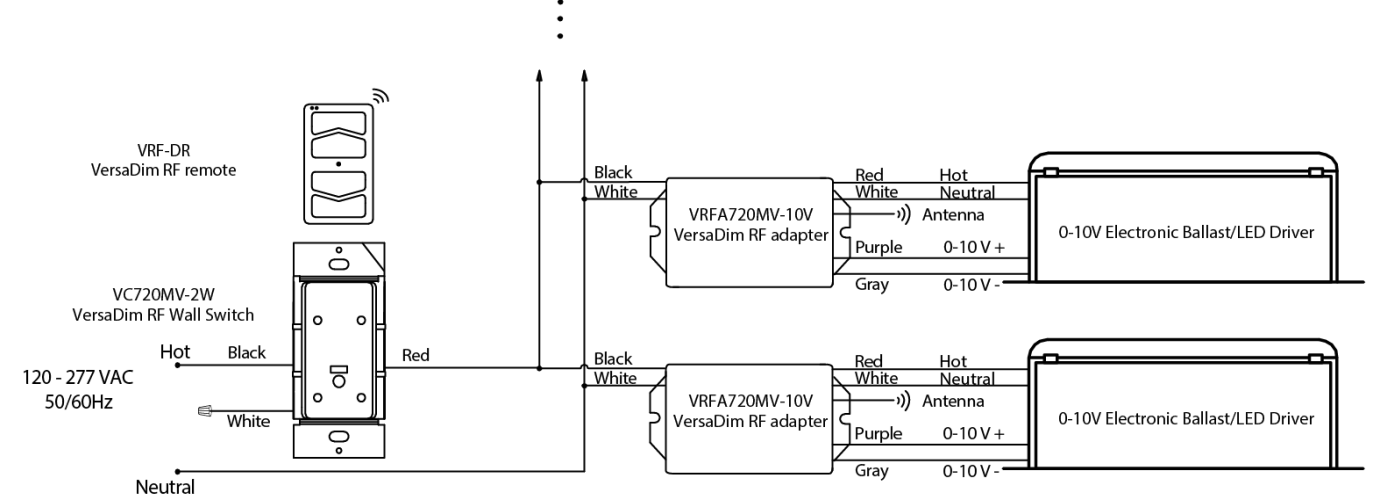**Diagram 2: Wiring LED Power Supply without Neutral**

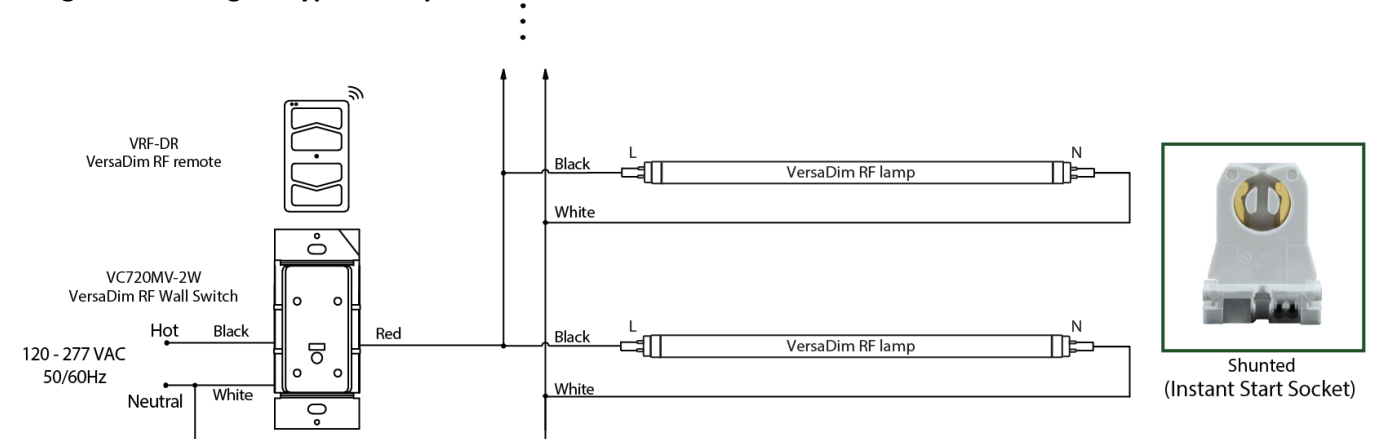**Diagram 3: Wiring RF Type B Lamp in Double-end with Neutral**

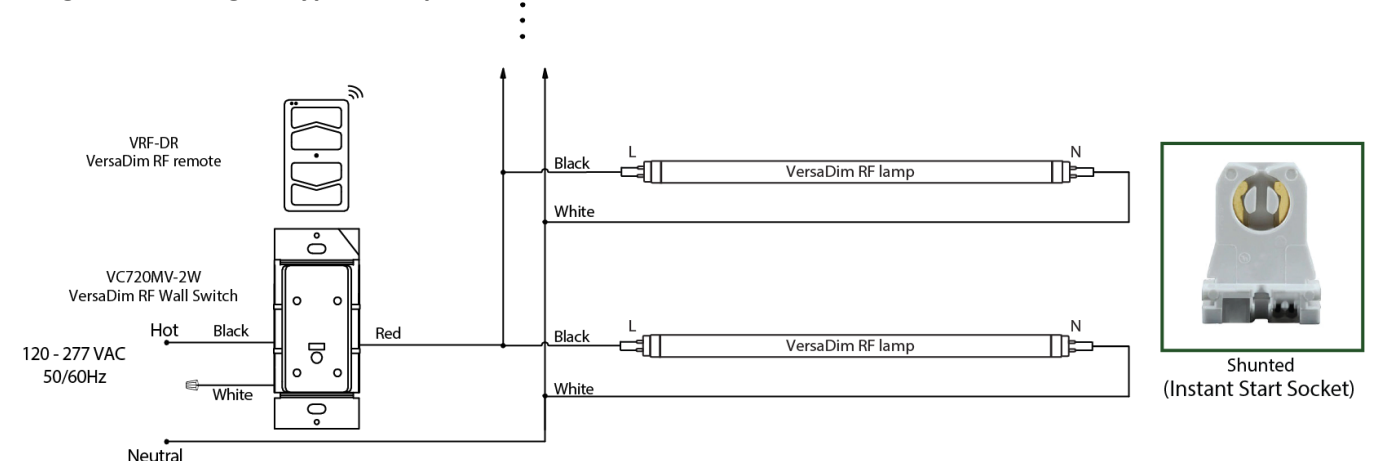
Diagram 4: Wiring RF Type B Lamp in Double-end without Neutral

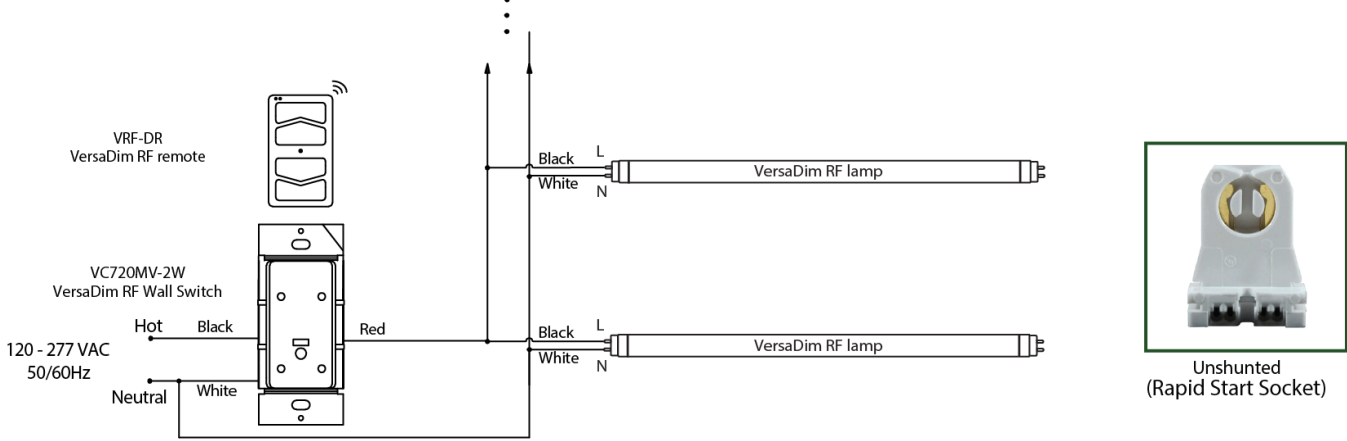**Diagram 5: Wiring RF Type B Lamp in Single-end with Neutral**

VRF-DR
VersaDim RF remote
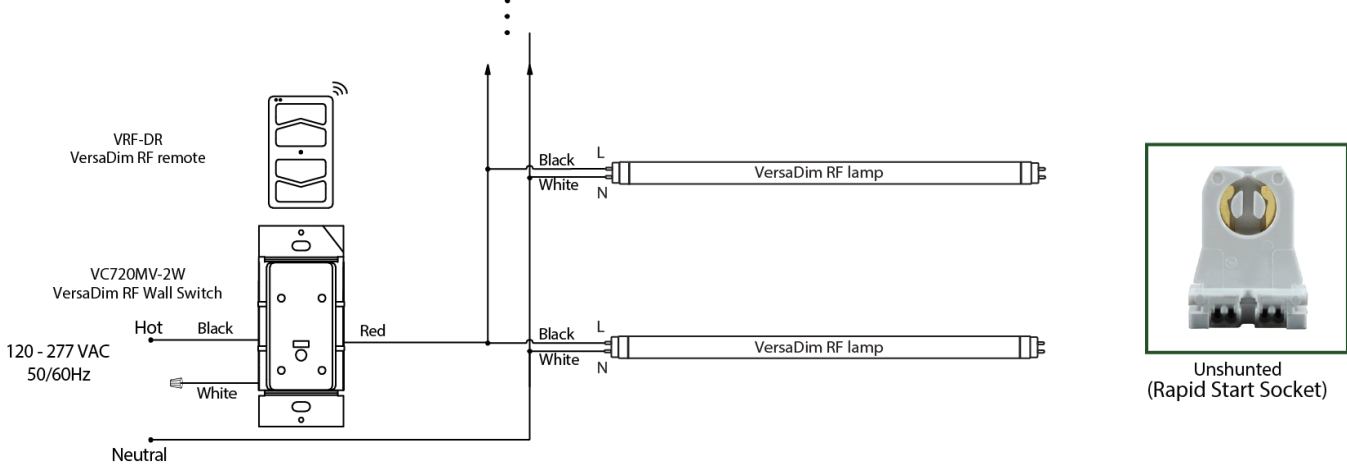
VC720MV-2W
VersaDim RF Wall Switch

Hot   Black

120 - 277 VAC
50/60Hz

Neutral   White

Red

Black   L
White   N

VersaDim RF lamp

Black   L
White   N

VersaDim RF lamp

Unshunted
(Rapid Start Socket)

Diagram 6: Wiring RF Type B Lamp in Single-end without Neutral

VRF-DR
VersaDim RF remote

VC720MV-2W
VersaDim RF Wall Switch

Hot   Black

120 - 277 VAC
50/60Hz

White

Neutral

Red

Black   L
White   N

VersaDim RF lamp

Black   L
White   N

VersaDim RF lamp

Unshunted
(Rapid Start Socket)

RF remote Pairing Instruction

Notes: RF Communication Coverage 25ft. Apply to RF remote to RF adapter, RF adapter to RF adapter (signal repeat function), RF remote to RF lamp, RF lamp to RF lamp (signal repeat function)

1. Turn off the main power;

2. Install the RF switch on the wall switch outlet box and wire accordingly;

3a. If the application are the RF type B lamps:

Install the RF lamp with direct AC power 120-277Vac. The lamp could be wired as double-end with shunted socket; or single-end with non-shunted socket;

3b. if the application is the RF adapter and LED driver:

Install the RF adapter in the LED fixture with LED driver: Black and White input to 120-277VAC input, Connect Red and White leads from RF adapter with existing LED power supply 120-277VAC input, purple and gray leads from RF adapter with LED power supply 0-10V dimming leads;

4. Turn on the main power;

5. Switch off the power via RF switch toggle switch, shown in Fig. A;
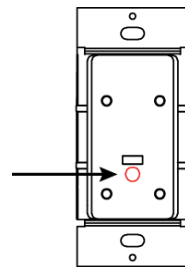

ON

DIM UP
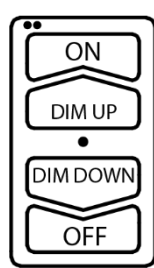
DIM DOWN

OFF

Fig. A   Fig. B

6. Press and hold 'ON' and 'DIM UP' buttons on RF remote, shown in Fig. B;

7. Switch on the power via RF switch toggle switch, shown in Fig. A. LED luminaire/load is expected to blink three times, it demonstrates that the RF type B lamp/adapter and RF remote pairing is complete;

8. Release 'ON' and 'DIM UP' buttons on RF remote. Place the RF remote on RF switch for charging and mounting.