

## 120 V STATIC WHITE DIRECT AC RIBBONLYTE

Acolyte Static White Direct AC RibbonLyte extends up to 164 ft on a single run with no drivers - perfect for long coves and other large spaces. It is factory cuttable every 4 inches, compared to many competitors which are only cuttable every 1.5 feet.

- Directly input 120 Volts AC
- Max run length: 164 ft (50 m)
- 2400K, 2700K, 3000K, 3500K, 4000K, 5000K and 6000K. Other color temperatures may be available. Consult Factory.
- Factory cuttable every 4" (101.6 mm)
- 90+ CRI
- IP65
- Dimmable with Lutron Phase - Adaptive Power Module PHPM - WBX paired with Lutron 3-wire or Lutron 2-wire 0-10V dimmer
- Sold with AC plug or bare wire input (see page 3)
- Mounting clips included

### Applications:

Commercial	Hospitality	Residential
Entertainment	Museums	Retail
Healthcare	Public Spaces	



**RoHS** **IP65**



## ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage + Color	
<b>RB</b>	<b>90</b>	<b>AC12065</b>		
RB - RibbonLyte	90 - 90+ CRI Static White	AC12065 - Direct AC 120V IP65	4.024 - 4.0 2400K	4.040 - 4.0 4000K
			4.027 - 4.0 2700K	4.050 - 4.0 5000K
			4.030 - 4.0 3000K	4.060 - 4.0 6000K
			4.035 - 4.0 3500K	

### Connection Options:

**RBAC2MI** - 2 meter cable to bare wire  
**RBAC2MM6MI** - 2 meter cable to male connector + 6 meter cable to bare wire  
**RBAC2MMI** - 2 meter cable to male connector (for daisy-chain use with 2MO output cable)  
**RBAC15CMI** - 15cm cable to male connector (for daisy-chain use with 15CO output cable)  
**RB2MAC** - 2 meter cable to AC Plug  
**RBAC6CJ** - 6 cm jumper cable

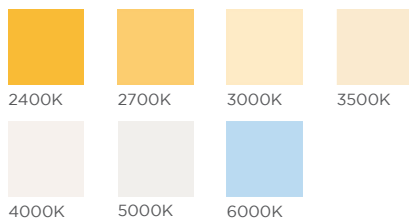
### Included Accessories:

Mounting Clip (1 clip per linear foot)

### Optional Accessories:

**Waterproof Cable Connector**  
(Part No.: COUPW683WH) See page 4 for instruction  
**MAESTRO 3-wire Dimmer** (Part No.: RBACDIMMAES)  
**Diva 3-wire Dimmer** (Part No.: RBACDIMDIVA)  
**NOVAT 3-wire Dimmer** (Part No.: RBACDIMNOVAT)  
**Phase Adaptive power Module** (Part No.: RBACPHPM1203W)  
**0-10V Adapter** (Part No.: RBACDIM010ADPT)  
**Diva 0-10V Dimmer** (Part No.: RBACDIMDIVA010)  
**Nova T 0-10V Dimmer** (Part No.: LVDIMNOVA)

## AVAILABLE COLOR TEMPERATURES

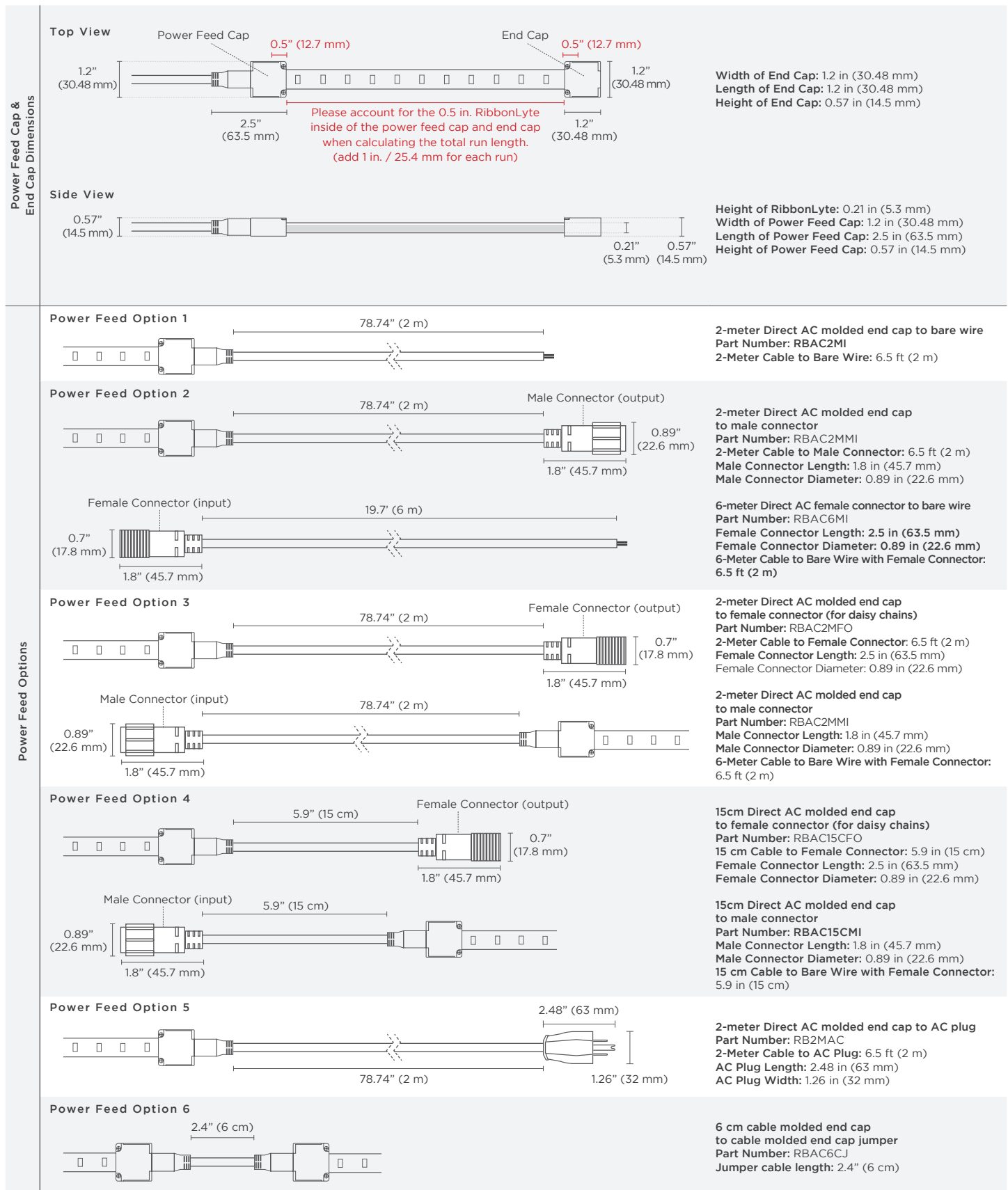


SPECIFICATIONS / DIMENSIONS / CHANNEL COMPATIBILITY

SPECIFICATIONS		120 V STATIC WHITE DIRECT AC RIBBONLYTE					
Operating Voltage	120 VAC						
Power Consumption	4 W/ft (13.1 W/m)						
Current (mA) - 24V	33 mA/ft (108.2 mA/m)						
LED Pitch	18 LEDs/ft (60 LEDs/m)						
Protection Rating	IP65						
Dimming	Dimmable with Lutron Phase - Adaptive Power Module PHPM - WBX paired with Lutron 3-wire or Lutron 2-wire 0-10V dimmer. Use with 0-10V dimmer requires 0-10V adapter shown on pages 6 and 8						
Ambient Temperature	-4° F - 113° F (-20° C - 45° C)						
Color Temperatures	2400K	2700K	3000K	3500K	4000K	5000K	6000K
Lumens	265.1 lm/ft (869.8 lm/m)	274.5 lm/ft (900.5 lm/m)	291.4 lm/ft (956.0 lm/m)	311.1 lm/ft (1020.8 lm/m)	308.4 lm/ft (1012.0 lm/m)	307.1 lm/ft (1007.7 lm/m)	314.2 lm/ft (1031.0 lm/m)
MacAdam's Ellipses (SDCM)	2-Step Binning						
LED Beam Angle	120°						
Cuttable Length	Every 4 in (101.6 mm) Please account for the 0.5 in. / 12.7 mm RibbonLyte inside of the power feed cap and end cap when calculating the total run length (add 1 in. / 2.54 mm for each run). See next page for details.						
CRI - All Color Temp	90+ CRI						
Lumens/Watt	65.2 lm/W	67.6 lm/W	71.2 lm/W	76.6 lm/W	75.6 lm/W	75.2 lm/W	76.2 lm/W
Cable Length	2 meter Cable to Bare Wire: 6.5 ft (2 m); 2 meter Cable to Male Connector: 6.5 ft (2 m); 6 meter Cable to Bare Wire with Female Connector: 6.5 ft (2 m); 2 meter Cable to Female Connector: 6.5 ft (2 m); 6 meter Cable to Bare Wire with Female Connector: 6.5 ft (2 m); 15 cm Cable to Female Connector: 5.9 in (15 cm); 15 cm Cable to Bare Wire with Female Connector: 5.9 in (15 cm); 2 meter Cable to AC Plug: 6.5 ft (2 m) 6 cm cable molded end cap to molded end cap jumper (2.4")						
Certifications	ETL Listed						
Max Operating Temperature	113° F (45° C)						

Dimensions	DIRECT AC RIBBONLYTE	MOUNTING CLIP (including 2 clips per foot)
		
Width	0.62 in / 16 mm (end cap and cable grip width: 0.75 in / 20 mm)	0.8 in / 20.32 mm
Length	164 ft (50 m) - max length. Factory cuttable every 4 in (101.6 mm)	0.43 in / 10.92 mm
Height	0.21 in (5.3 mm)	0.48 in / 12.19 mm

DIAGRAMS

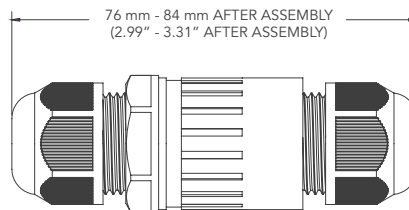
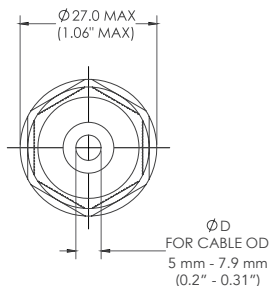


## SPECIFICATIONS

We provide 2m and 8m power feed solutions. If additional length is needed, use the cable coupler.

Part No. : COUPW683WH

Dimensions ( Part Number: COUPW683WH)

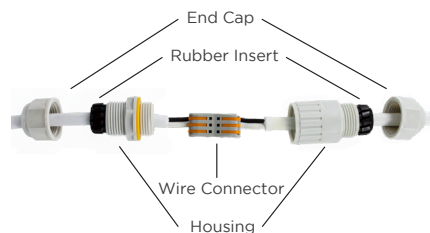


### The Connector



Length: 2.99" - 3.31" After Assembly)  
Diameter: 1.06" MAX

### Exploded View of the Connector



### Step 1



Assemble cable from one end of the connector as shown above.

### Step 2



Assemble cable from other end of the connector as shown above. Make sure the wires go to their corresponding terminals (e.g. wire color matches to each other).

### Step 3



Tighten two housings together and insert the rubber parts at the housing ends.

### Step 4



Tighten two end caps.

## USAGE GUIDELINES:

- IP65 RibbonLyte are not field cuttable. All custom cuts and connections for these models must be performed at the factory to ensure waterproofing standards are met. Any modification of this on the field or by end user will result in a voided warranty.
- When installing this product take into account the surface temperature of the material this product is mounted to. Many building surfaces exceed the 45° C / 113° F maximum that our product is rated for. High-risk locations like this should be avoided. Avoid direct sunlight.
- This product is not intended to be submerged in pools and fountains and do not carry UL676 certification to do so.
- Please refer to our RibbonLyte Proper Use Guide in our *Application Guide* for more information. Available for download at [www.GENLEDBrands.com/Acolyte](http://www.GENLEDBrands.com/Acolyte)
- Compatible with a wide variety of control products including the entire line of Lutron dimming systems.
- For use with Acolyte drivers, 0-10V dimming modules and interface controllers (DMXINF models).
- Use with non-Acolyte supplied Triac, MLV or ELV drivers is not supported or warrantied.
- Due to the nature of the product, RibbonLyte cuttable lengths are generally longer or shorter than the customer requested length. Unless specified, RibbonLyte is factory cut at the shorter cuttable point.
- We reserve the right to make changes to product lineup, specifications, design and finishes at any time without notice.

## AVAILABLE CONTROLLERS

### LUTRON DIVA 3-WIRE DIMMER



Part No.: RBACDIMDIVA

Width: 2.94 in (75 mm)  
Length: 4.69 in (120 mm)  
Depth: 0.30 in (7.6 mm)

- Use with Lutron Phase - Adaptive Power Module
- Large paddle switch with a captive linear-slide dimmer
- Available in white finish

\* Requires Lutron Adaptive Power Module  
(Shown Below)

### LUTRON NOVA-T 3-WIRE DIMMER



Part No.: RBACDIMNOVAT

Width: 2.75 in (70 mm)  
Length: 4.56 in (116 mm)  
Depth: 0.30 in (7.6 mm)

- Slide adjusts brightness and On/Off control
- Available in white finish

\* Requires Lutron Adaptive Power Module  
(Shown Below)

### LUTRON MAESTRO 3-WIRE DIMMER



Part No.: RBACDIMMAES

Width: 2.94 in (75 mm)  
Length: 4.69 in (120 mm)  
Depth: 0.30 in (7.6 mm)

- Use with Lutron Phase Adaptive Power Module
- Large paddle switch with a captive linear-slide dimmer
- Available in white finish

\* Requires Lutron Adaptive Power Module  
(Shown Below)

### LUTRON DIVA 0-10V DIMMER



Part No.: RBACDIMDIVA010

Width: 2.94 in (75 mm)  
Length: 4.69 in (120 mm)  
Depth: 0.30 in (7.6 mm)

- Compatible with 0-10 V Dimming Module
- Large paddle switch with a captive linear-slide dimmer
- Available in white finish

\* Requires Lutron Adaptive Power Module and  
0-10V Adapter (Both Shown Below)

### LUTRON NOVA-T 0-10V DIMMER



Part No.: LVDIMNOVA

Width: 2.75 in (70 mm)  
Length: 4.56 in (116 mm)  
Depth: 0.30 in (7.6 mm)

- Compatible with 0-10 V dimming module
- Slide adjusts brightness and on/off control
- Available in white finish

\* Requires Lutron Adaptive Power Module and  
0-10V Adapter (Both Shown Below)

### LUTRON ADAPTIVE POWER MODULE



Part No.: RBACPHPM1203W

Width: 6.30 in (160 mm)  
Length: 5.10 in (130 mm)  
Depth: 2.60 in (62 mm)

- Use for 3-wire fluorescent dimmers
- Load current capacity up to 16A
- Available in White finish

### 0-10V ADAPTER



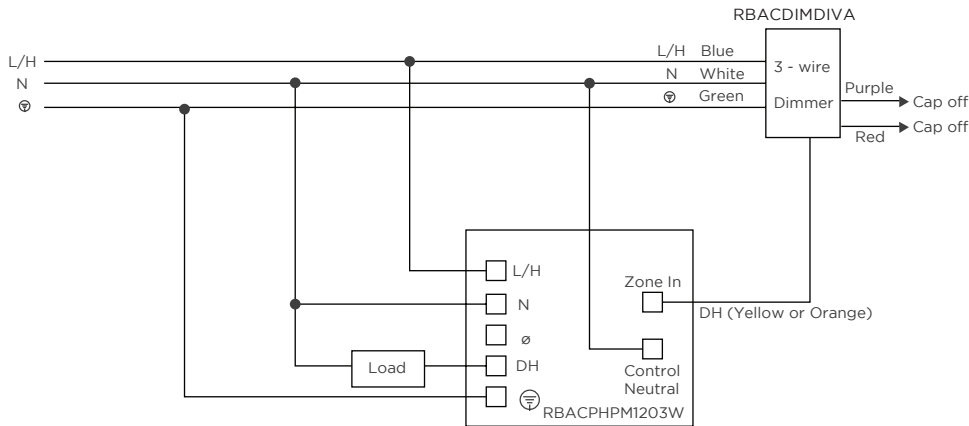
Part No.: RBACDIM010ADPT

Width: 9.51 in (241 mm)  
Length: 2.38 in (60 mm)  
Height: 1.50 in (38 mm)

- Capable of interfacing 0-10 V controllers to Lutron 3-wire dimmable ballasts, drivers, or interfaces
- Controls up to 16A of Lutron 3-wire dimmable ballasts, drivers, or interfaces
- Must be used in conjunction with Lutron Adaptive Power Module shown at left and with one of the two 0-10V dimmers shown above

## DIMMING SYSTEM WIRING DIAGRAM

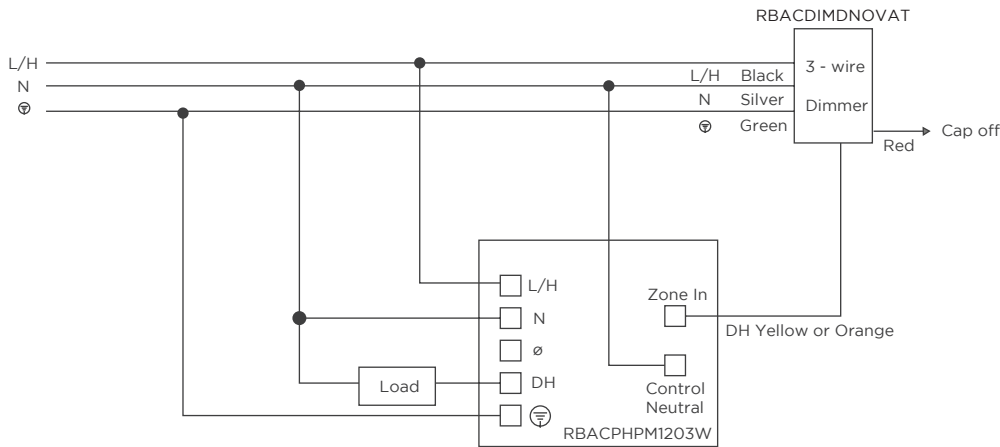
### ADAPTIVE POWER MODULE (RBACPHPM1203W) WITH 3-WIRE DIVA DIMMER (RBACDIMDIVA)



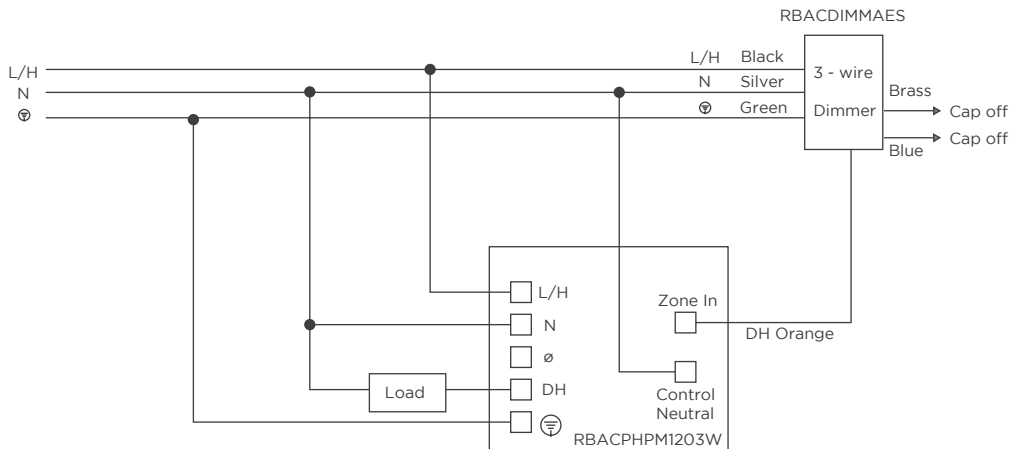
### LEGEND

L/H - Line/Hot  
N - Neutral  
∅ - Not Used  
DH - Dimmed Hot  
SH - Switched Hot  
Ⓜ - Ground

### ADAPTIVE POWER MODULE (RBACPHPM1203W) WITH 3-WIRE NOVA T DIMMER (RBACDIMNOVAT)



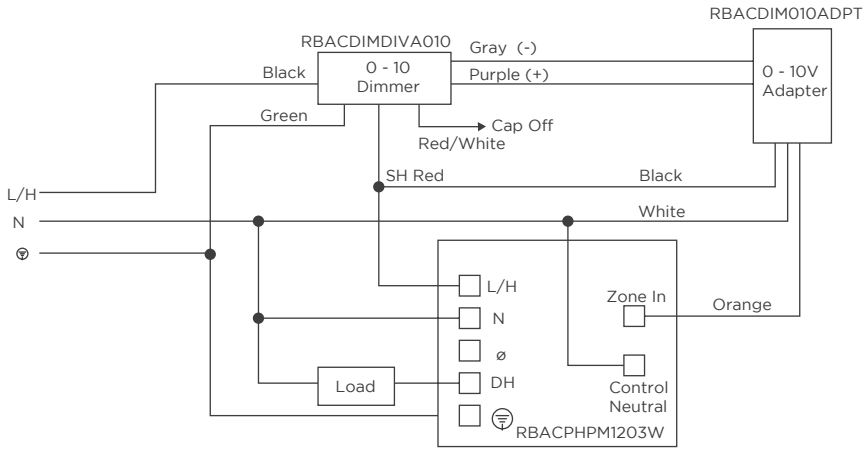
### ADAPTIVE POWER MODULE (RBACPHPM1203W) WITH 3-WIRE MAESTRO DIMMER (RBACDIMMAES)



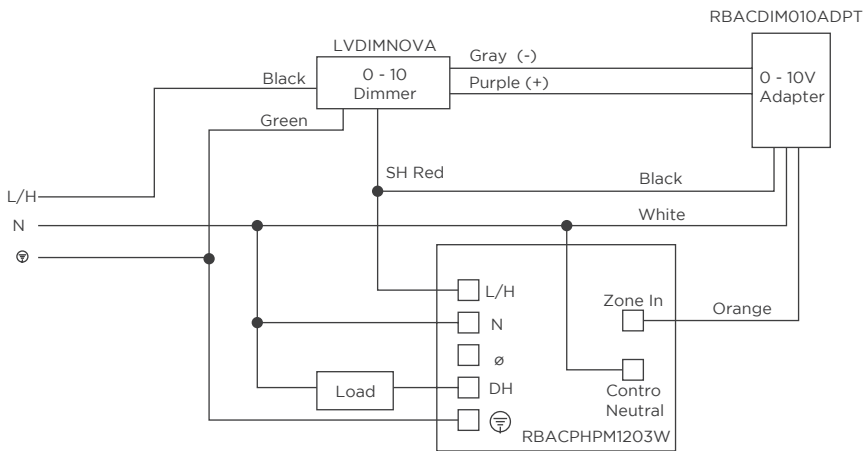
• Please reference Page 6 for more controller details.

## DIMMING SYSTEM WIRING DIAGRAM

### ADAPTIVE POWER MODULE (RBACPHPM1203W) CONTROL FROM 0-10 DIMMER (RBACDIMDIVA010) THROUGH A 0-10V ADAPTER (RBACDIM010ADPT)



### ADAPTIVE POWER MODULE (RBACPHPM1203W) CONTROL FROM 0-10V DIMMER (LVDIMNOVA) THROUGH A 0-10V ADAPTER (RBACDIM010ADPT)



#### LEGEND

- L/H - Line/Hot
- N - Neutral
- ∅ - Not Used
- DH - Dimmed Hot
- SH - Switched Hot
- ⊕ - Ground

• Please reference Page 6 for more controller details.