120V STATIC COLOR DIRECT AC RIBBONLYTE

Acolyte's Direct AC RibbonLyte extends up to 164 ft on a single run with no drivers - perfect for long coves and other large spaces.

- Directly input 120 Volts AC
- Max run length: 164 ft (50 m)
- Available in Red, Green, Blue colors
- Factory cuttable every 1 ft (304.8 mm)
- IP65
- Dimmable
- Sold with AC plug or bare wire input (see page 3)
- Mounting clips included (2 mounting clips per linear foot)
- Mounting channel or aluminum channel with lens available

Applications:

Commercial	Hospitality	Residential
Entertainment	Museums	Retail
Healthcare	Public Spaces	

ETL LISTED c us   RoHS   IP65

ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage + Color
RB	**0**	**AC12065**	
RB - RibbonLyte	**0** - 0 Static Colors	**AC12065** - Direct AC 120V IP65	**2.5R** - 2.5 Red
			2.5G - 2.5 Green
			2.5B - 2.5 Blue

Connection Options:

2 meter cable to bare wire (6 ft 6.74 in.)

2 meter cable to AC plug (6 ft 6.74 in.)

8 meter cable to bare wire (26 ft 3 in.)

6 cm jumper cable (2.4 in.)

30 cm jumper cable (11.81 in.)

4 meter jumper cable (13 ft 1.48 in.)

Included Accessories:

Mounting Clip (2 clips per linear foot)

Optional Accessories:

Mounting Channel
(Part No.: CHDACPSWSC) See page 2 for details

Aluminum Channel with Flat Milky Lens
(Part No.: CHDACSVM) See page 2 for details

Aluminum Channel with Square Milky Lens
(Part No.: CHDACSVSM) See page 2 for details

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)

NOVA T 3-wire Dimmer (Part No.: RBACDIMNOVAT)

Phase-Adaptive Power Module (Part No.: RBACPHPM1203W)

AVAILABLE COLORS

Red	Green	Blue

SPECIFICATIONS / DIMENSIONS / CHANNEL COMPATIBILITY

SPECIFICATIONS	STATIC COLOR DIRECT AC RIBBONLYTE		
Operating Voltage	120 VAC		
Power Consumption	2.5 W/ft (8.2 W/m)		
Current (mA)	21 mA/ft (69 mA/m)		
LED Pitch	44 LEDs/ft (144 LEDs/m)		
Protection Rating	IP65		
Dimming	Dimmable with Lutron Phase-Adaptive Power Module PHPM		
Ambient Temperature	-4° F - 113° F (-20° C - 45° C)		
LED Beam Angle	120°		
Available Colors	Red	Green	Blue
Wave Length (nm)	620 -625	512 - 517	465 - 470
Lumens	20.0 lm/ft (66.0 lm/m)	77.0 lm/ft (253.0 lm/m)	21.0 lm/ft (65.0 lm/m)
Efficacy (lm/w)	8.0	32.4	8.7
Cuttable Length	1 ft (304.8 mm) Please account for the 20±5 mm RibbonLyte inside of the power feed cap and end cap when calculating the total run length. (Each run contains a total of 40±10 mm in the end caps) See next page for details.		
Max Run length	164 ft (50 m)		
Cable Length	2 meter cable to bare wire (6 ft 6.74 in.); 2 meter cable to AC plug (6 ft 6.74 in.); 8 meter cable to bare wire (26 ft 3 in.); 6 cm jumper cable (2.4 in.); 30 cm jumper cable (11.81 in.); 4 meter jumper cable (13 ft 1.48 in.)		
Certifications	ETL Listed		
Max Operating Temperature	113° F (45° C)		
Lamp Life	L70 > 36,000 hours at 131° F (55° C)		

Dimensions	DIRECT AC RIBBONLYTE	MOUNTING CLIP (includes 2 clips per foot)	MOUNTING CHANNEL Part #: CHDACPSWSC
Width	0.62 in. / 16 mm (end cap and cable grip width: 0.75 in. / 20 mm)	0.8 in. / 20.32 mm	0.72 in. / 18.4 mm
Length	164 ft (50 m) max run length. Factory cuttable every 4 in. (101.6 mm)	0.43 in. / 10.92 mm	Max length 96 in. / 2.44 m
Height	0.21 in. (5.3 mm)	0.48 in. / 12.19 mm	0.41 in. / 10.3 mm

Dimensions	ALUMINUM CHANNEL WITH FLAT MILKY LENS (Part No.: CHDACSVM)	ALUMINUM CHANNEL WITH SQUARE LENS (Part No.: CHDACSVSM)
	Aluminum Channel with Flat Milky Lens	
	Aluminum Channel with Square Milky Lens	
	Please account for the exposed end caps in both ends of the channel. (See dimensions on next page)	
Width	0.79 in. / 20.1 mm	0.79 in. / 20.1 mm
Length	Max length 96 in. / 2.44 m	Max length 96 in. / 2.44 m
Height	0.73 in. (18.5 mm)	1.23 in. / 31.2 mm

DIAGRAMS

Power Feed Cap & End Cap Dimensions

Top View

Power Feed Cap

End Cap

20±5 mm

20±5 mm

0.75" (19 mm)

0.75" (19 mm)

2.09" (53 mm)

1.06" (27 mm)

Please account for the 20±5 mm RibbonLyte inside of the power feed cap and end cap when calculating the total run length. (Each run contains a total of 40±10 mm in the end caps)

Width of End Cap: 0.75 in. (19 mm)
Length of End Cap: 1.06 in. (27 mm)
Height of End Cap: 0.39 in. (10 mm)

Side View

0.52" (13.3 mm)

2.09" (53 mm)

1.06" (27 mm)

0.21" (5.3 mm)

0.39" (10 mm)

Height of RibbonLyte: 0.21 in. (5.3 mm)
Width of Power Feed Cap: 0.75 in. (19 mm)
Length of Power Feed Cap: 2.09 in. (53 mm)
Height of Power Feed Cap: 0.52 in. (13 mm)

Power Feed Options

Power Feed Option 1

78.74" (2 m)

2.09" (53 mm)

2 meter cable to bare wire
Cable length: 6 ft 6.74 in. (2 m)

Power Feed Option 2

78.74" (2 m)

2.09" (53 mm)

1.26" (32 mm)

2.48" (63 mm)

2 meter cable to AC plug
Cable length: 6 ft 6.74 in. (2 m)
AC Plug Length: 2.48 in. (63 mm)
AC Plug Width: 1.26 in. (32 mm)

Power Feed Option 3

26' 3" (8 m)

2.09" (53 mm)

8 meter cable to bare wire
Cable length: 26 ft 3 in. (8 m)

Jumper Cable Options

Jumper Cable Option 1

2.4" (6 cm)

2.09" (53 mm)

2.09" (53 mm)

6 cm jumper cable (for daisy chains)
Jumper cable length: 2.4 in. (6 cm)

Jumper Cable Option 2

11.81" (30 cm)

2.09" (53 mm)

2.09" (53 mm)

30 cm jumper cable (for daisy chains)
Jumper cable length: 11.81 in. (30 cm)

Jumper Cable Option 3

13' 1.48" (4 m)

2.09" (53 mm)

2.09" (53 mm)

4 meter jumper cable (for daisy chains)
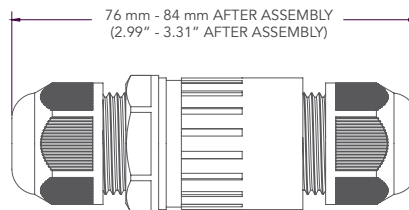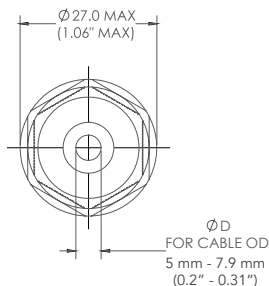Jumper cable length: 13 ft 1.48 in. (4 m)

Direct AC Waterproof Cable Connector

We provide 2m and 8m power feed solutions. If additional length is needed use the cable coupler
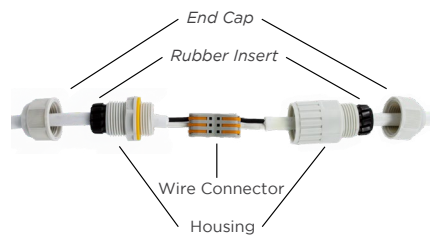**Part No. :** COUPW683WH

Dimensions (Part Number: COUPW683WH)

Ø 27.0 MAX
(1.06" MAX)

ØD
FOR CABLE OD
5 mm - 7.9 mm
(0.2" - 0.31")

76 mm - 84 mm AFTER ASSEMBLY
(2.99" - 3.31" AFTER ASSEMBLY)

The Connector	Exploded View of the Connector
Length: 2.99" - 3.31" After Assembly) **Diameter**: 1.06" MAX	End Cap Rubber Insert Wire Connector Housing

Step 1	Step 2
Assemble cable from one end of the connector as the shown above.	Assemble cable from another end of the connector as the shown above.Make sure the wires go to their correspondingterminals (E.g. wire color matches to each other).

Step 3	Step 4
Tight two housings together and insert the rubber parts at the housing ends.	Tight 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
- 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.: TRIDIMNOVA

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.: RBACDMIMMAES

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
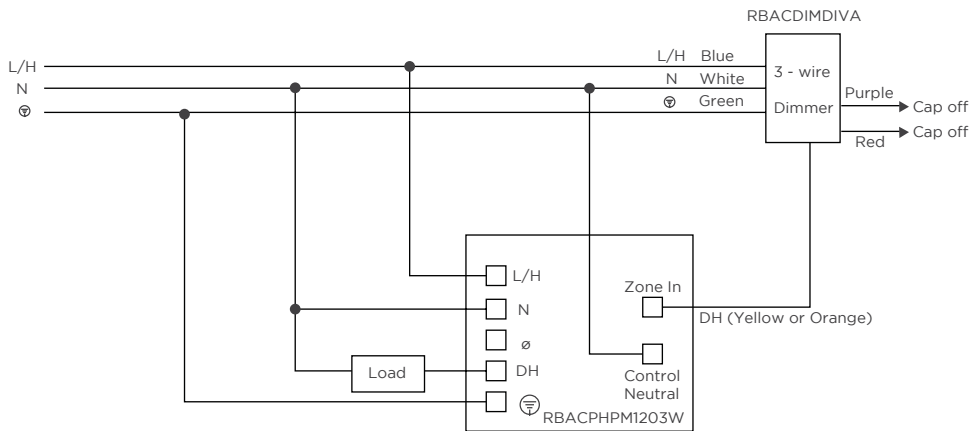 (Shown Below)

LUTRON 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
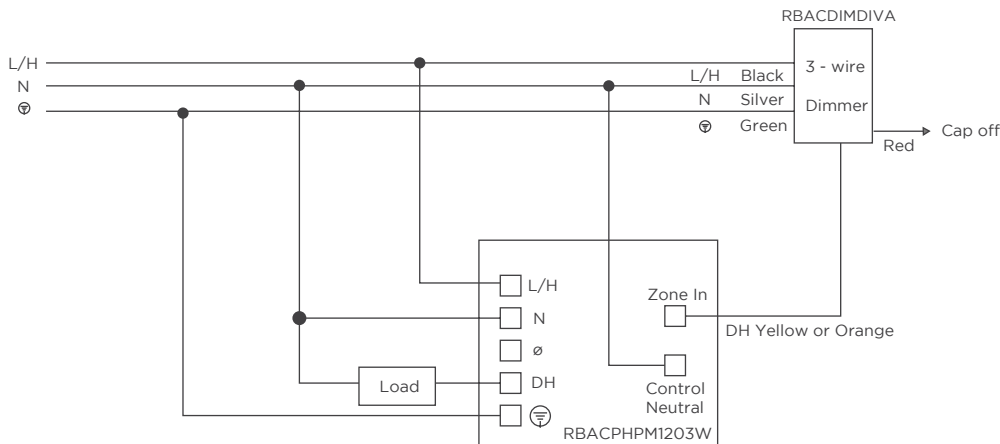
DIMMING SYSTEM WIRING DIAGRAM

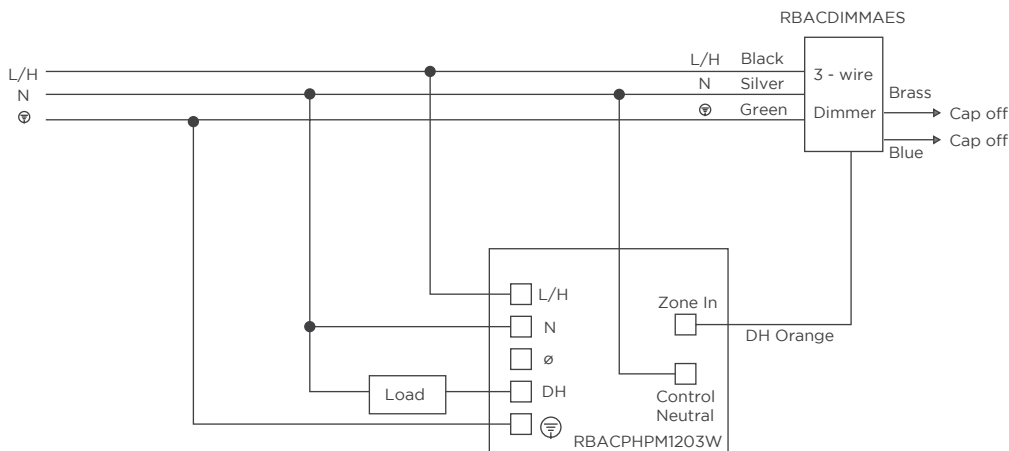### ADAPTIVE POWER MODULE (RBACPHPM1203W) WITH 3-WIRE DIVA DIMMER (RBACDIMDIVA)

RBACDIMDIVA

L/H   Blue
N   White   3 - wire
⏚   Green   Dimmer

Purple → Cap off
Red → Cap off

L/H
N
⏚

L/H
N
ø
DH
⏚   RBACPHPM1203W

Load

Zone In
DH (Yellow or Orange)
Control Neutral

LEGEND

L/H - Line/Hot

N - Neutral

Ø - Not Used

DH - Dimmed Hot

SH - Switched Hot

⏚ **-** Ground

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

RBACDIMDIVA

L/H   Black
N   Silver   3 - wire
⏚   Green   Dimmer

Red → Cap off

L/H
N
⏚

L/H
N
ø
DH
⏚   RBACPHPM1203W

Load

Zone In
DH Yellow or Orange
Control Neutral

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

RBACDIMMAES

L/H   Black
N   Silver   3 - wire
⏚   Green   Dimmer

Brass → Cap off
Blue → Cap off

L/H
N
⏚

L/H
N
ø
DH
⏚   RBACPHPM1203W

Load

Zone In
DH Orange
Control Neutral

• Please reference Page 6 for more controller details.

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