



| | |
|-------|---------|
| Date | Project |
| Notes | |

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)

Applications:

| | | |
|---------------|---------------|-------------|
| Commercial | Hospitality | Residential |
| Entertainment | Museums | Retail |
| Healthcare | Public Spaces | |



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:

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

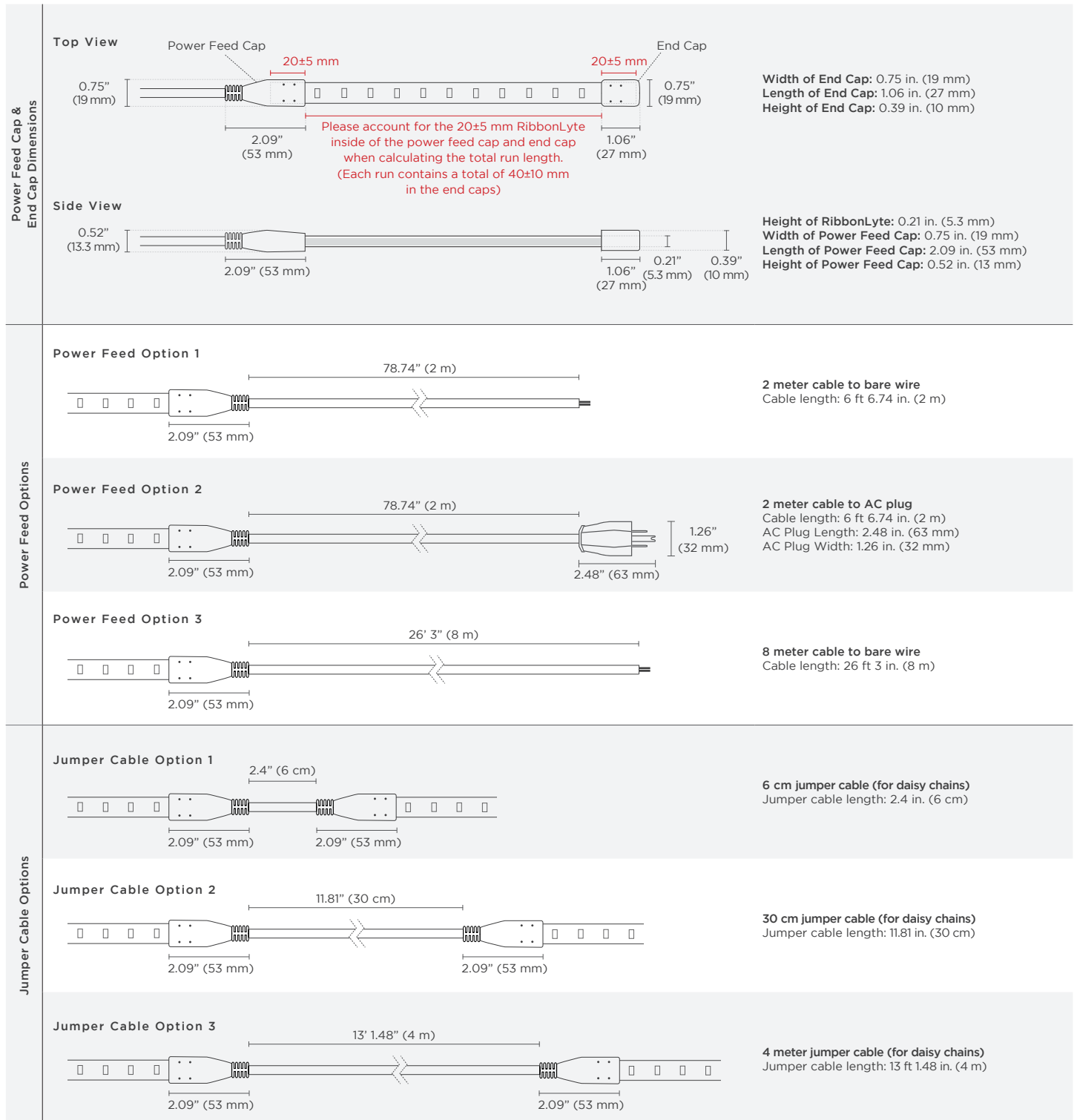


SPECIFICATIONS / DIMENSIONS / CHANNEL COMPATIBILITY

| 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) | | |

| Dimensions | DIRECT AC RIBBONLYTE | MOUNTING CLIP (includes 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 run 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 |

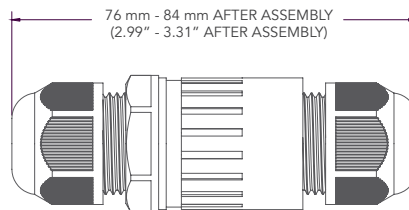
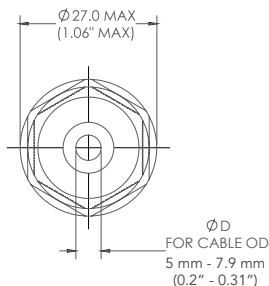
DIAGRAMS



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)

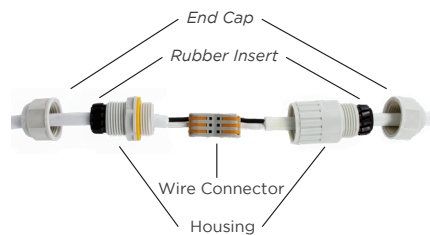


The Connector



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 the shown above.

Step 2



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

Step 3



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

Step 4



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 warranted.
- 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



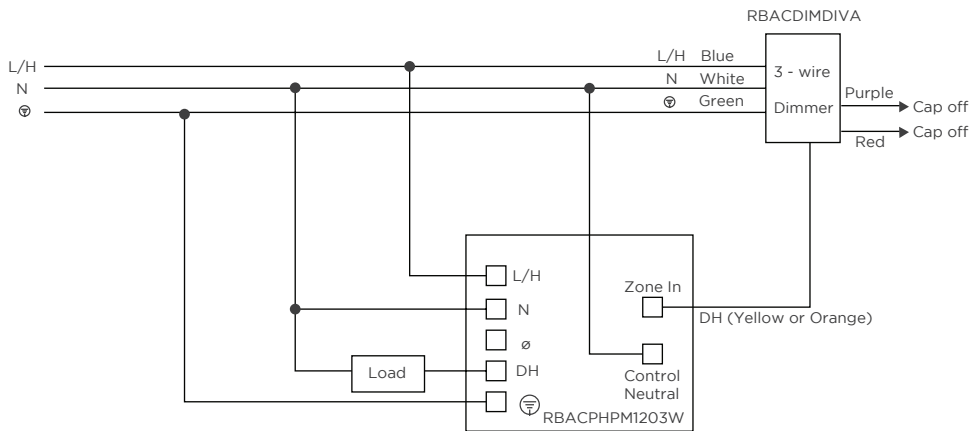
Part No.: RBACPHPM1203W

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

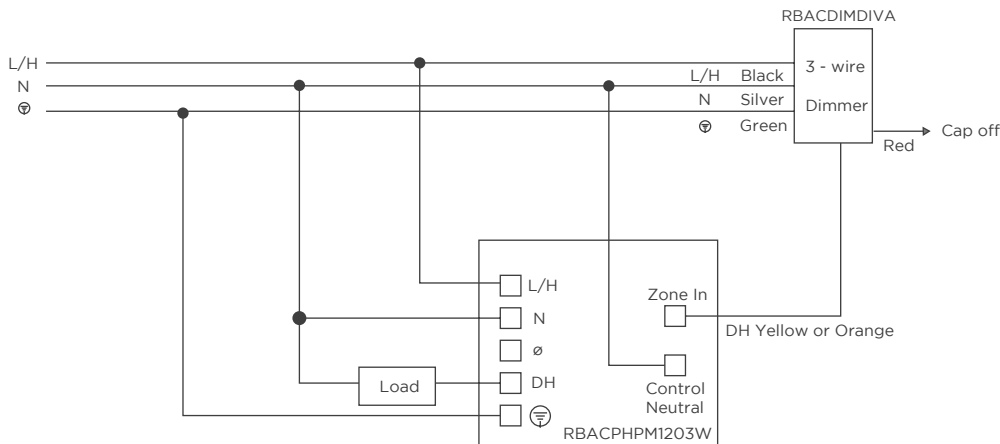
ADAPTIVE POWER MODULE (RBACPHPM1203W) WITH 3-WIRE DIVA DIMMER (RBACDIMDIVA)



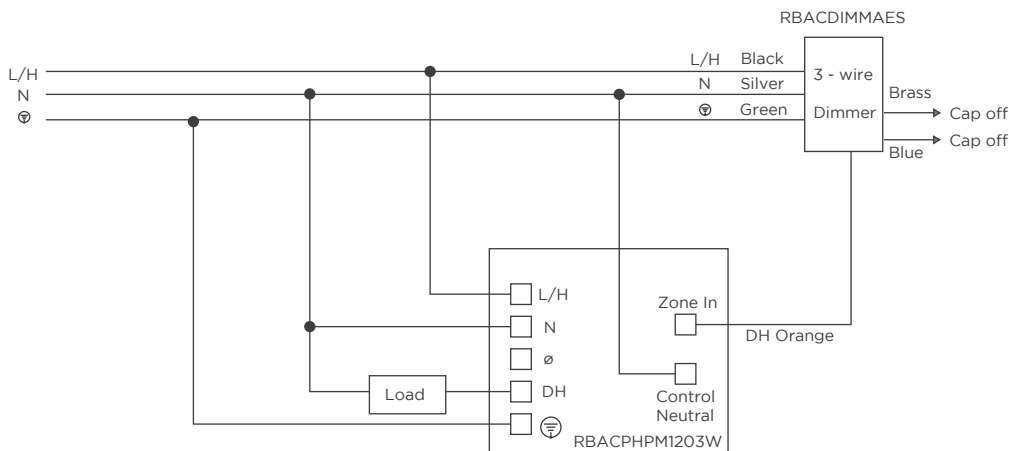
LEGEND

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)



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



• Please reference Page 6 for more controller details.