



Date	Project
Notes	

## RGB DIRECT AC RIBBONLYTE

Acolyte's RGB Direct AC RibbonLyte extends up to 100 ft on a single run with no drivers - perfect for long coves and other large spaces. It is factory cuttable every 1 foot.

- Directly input 120 Volts AC
- Max run length: 100 ft (30.48 m)
- Red, Green, Blue (color changing)
- Factory cuttable every 1 ft (304.8 mm)
- IP65
- Dimmable and color tunable with DMX controller
- Mounting clips included (2 mounting clips per linear foot)
- 3.0 W/ft (9.8 W/m)
- All on: 32 lm/W
- All on: 95.6 lm/ft (313.57 lm/m)

### Applications:

Commercial  
Entertainment  
Healthcare

Hospitality  
Museums  
Public Spaces

Residential  
Retail



**IP65**



## ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage + Color
RB	0	AC12065	3.0RGB
RB - RibbonLyte	0 - Color Changing	AC12065 - Direct AC 120V IP65	3.0RGB - 3.0 W/ft (9.8 W/m) RGB

### Connection Options:

- 2 meter cable to bare wire (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.: COUPT654BK) see page 4 for instruction

#### 120V DMX Interface Decoder

(Part No.: DMXINF120RGB) see page 6 for instruction


## AVAILABLE COLOR TEMPERATURES



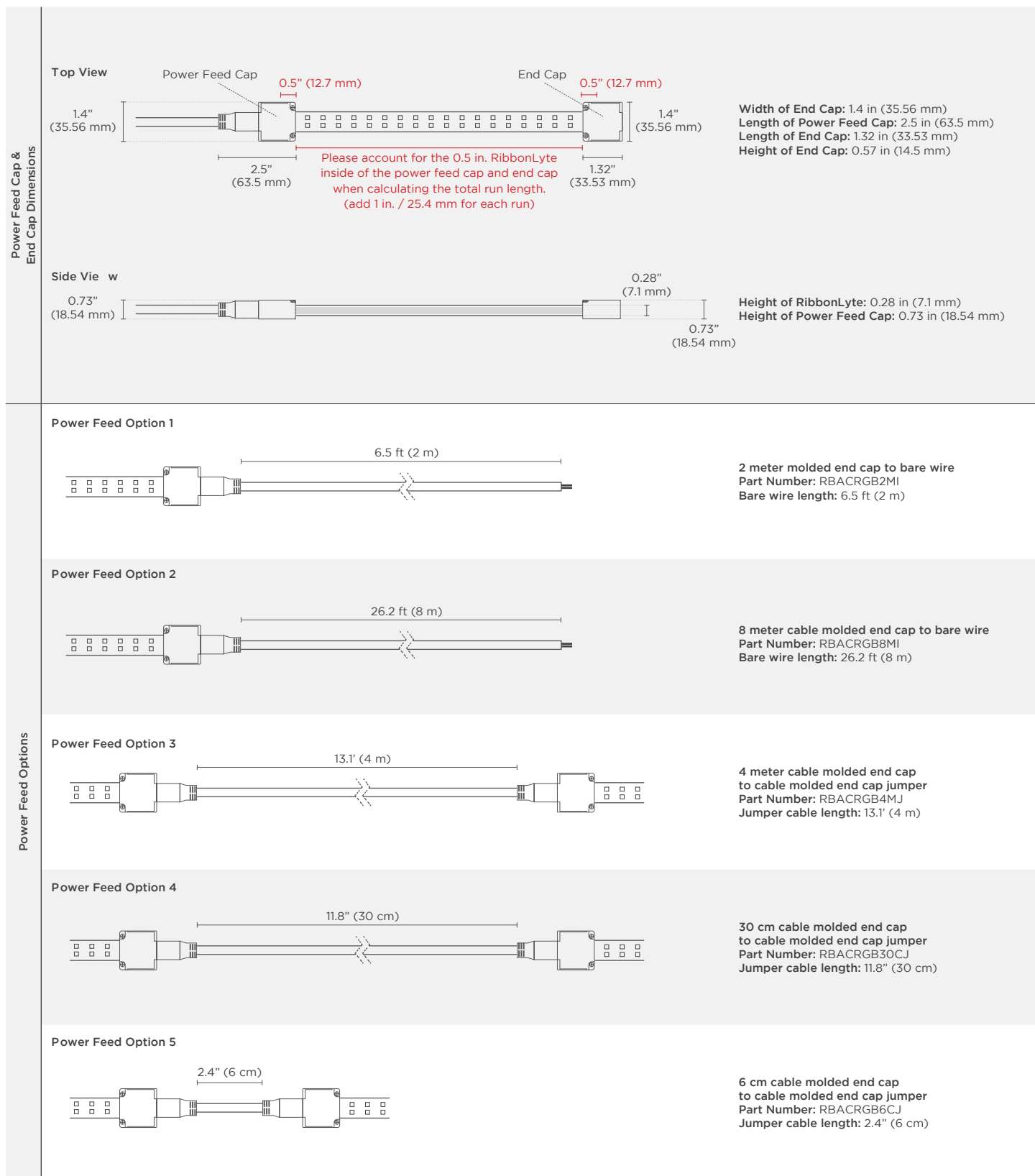
RGB

SPECIFICATIONS / DIMENSIONS / CHANNEL COMPATIBILITY

SPECIFICATIONS				
Operating Voltage	120VAC			
Colors	RGB			
	Red (620-628 nm)	Green (525-531 nm)	Blue (470-475 nm)	All On
Power Consumption	1 W/ft (3.28 W/m)	1 W/ft (3.28 W/m)	1 W/ft (3.28 W/m)	3 W/ft (9.8 W/m)
Lumens	21.95 lm/ft (72 lm/m)	57.4 lm/ft (188.27 lm/m)	15.46 lm/ft (50.71 lm/m)	95.6 lm/ft (313.57 lm/m)
Efficacy	22 lm/W	57 lm/W	15 lm/W	32 lm/W
Current (mA)	25 mA/ft (82 mA/m)			
LED Pitch	36 LEDs/ft (120 LEDs/m)			
Protection Rating	IP65			
Dimming/Control	DMX			
Ambient Temperature	-4° F - 113° F (-20° C - 45° C)			
LED Beam Angle	150°			
Cuttable Length	1 ft (304.8 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.			
Max Run length	100 ft (30.48 m)			
Cable Length	2 meter cable to bare wire (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)
		
Width	0.73 in. / 18.5 mm (end cap and cable grip width: 1.44 in. / 36.6 mm)	0.94 in. / 23.9 mm
Length	100 ft (30 m) max run length Factory cuttable every 1 ft (304.8 mm)	0.71 in. / 18.0 mm
Height	0.28 in. (7.1 mm)	0.48 in. / 12.2 mm

DIAGRAMS

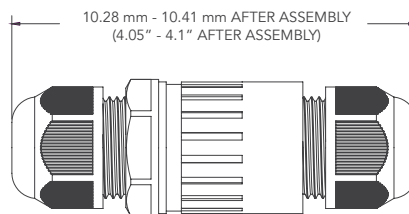
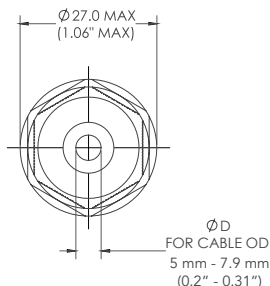


## SPECIFICATIONS

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

Part No. : COUPT654BK

Dimensions ( Part Number: COUPT654BK )

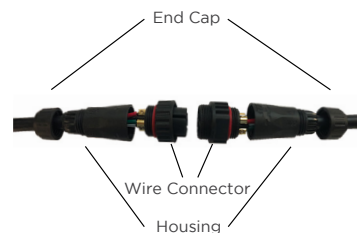


### The Connector



Length: 4.05" - 4.10" 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 the 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



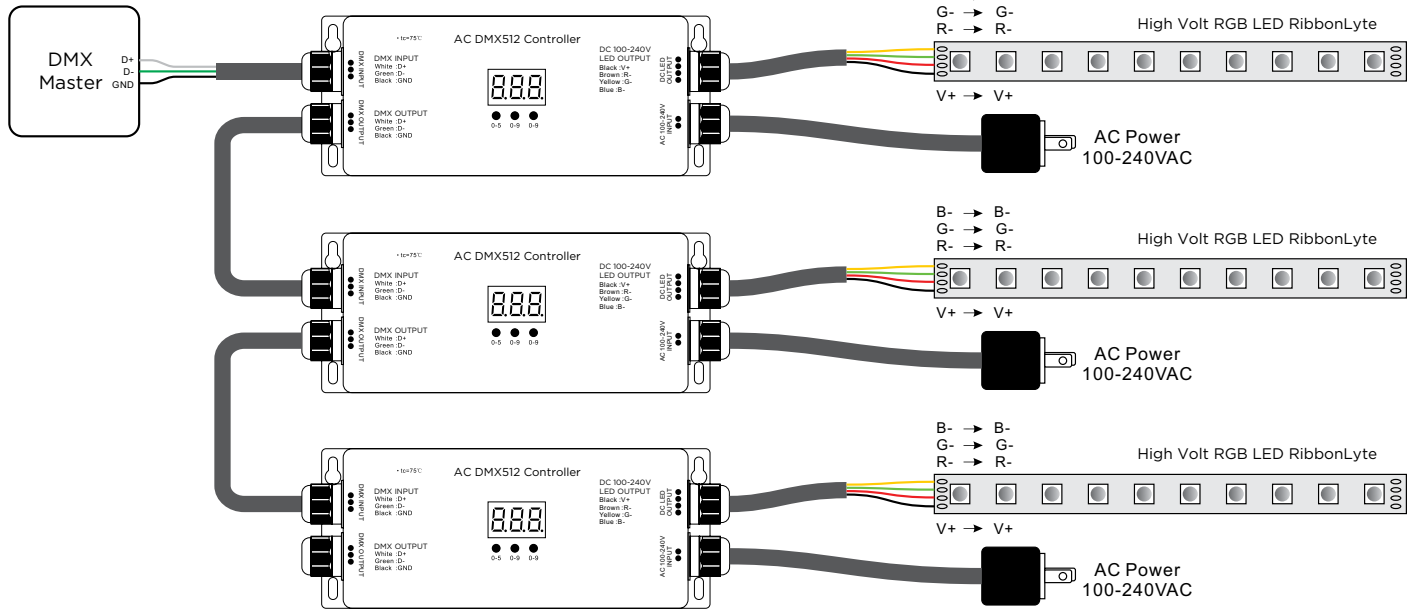
Tighten two end caps.

## USAGE GUIDELINES:

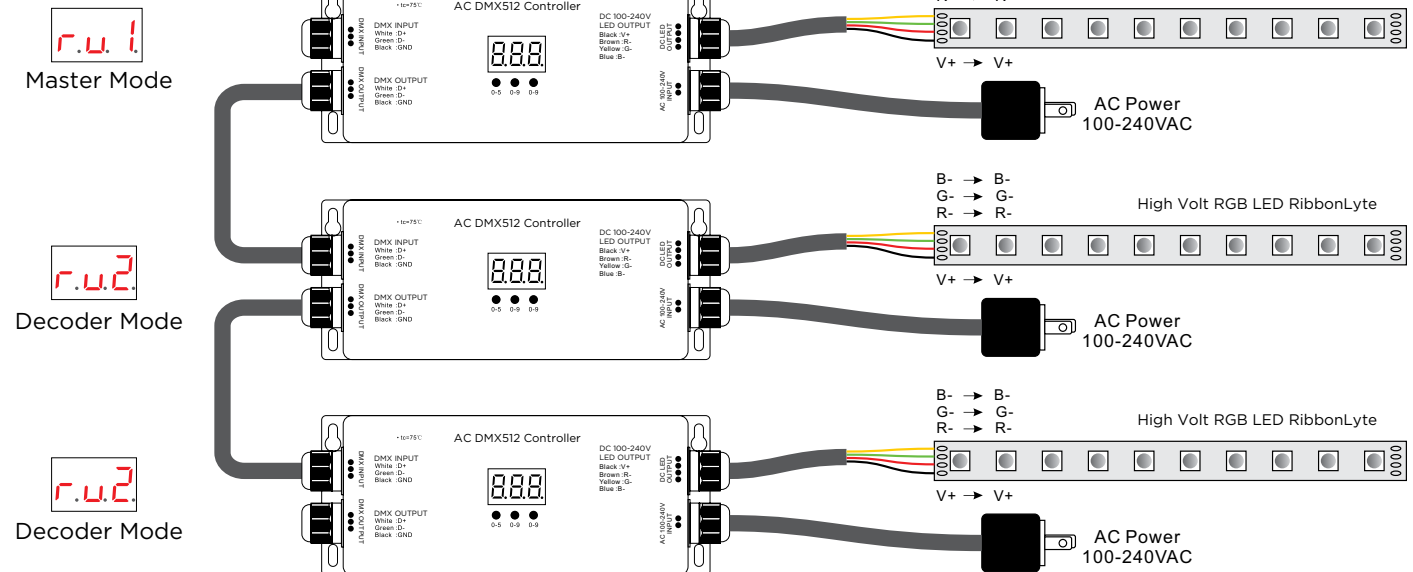
- IP65 RibbonLyte are not field cuttable. All custom cuts and connections for these models must be performed at the factory to ensure waterproofing standards are met. Any modification of this on the field or by end user will result in a voided warranty.
- When installing this product take into account 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 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.

## DIMMING SYSTEM WIRING DIAGRAM

### Wiring as DMX Decoder Mode



### Wiring as DMX Master Mode



### High Voltage 3 Channel DMX Interface



Width: 2.9 in (73.6 mm)  
Length: 5.93 in (150.5 mm)  
Depth: 1.38 in (35 mm)

Part Number: DMXINF120RGB