

120V 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
- 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	



RoHS IP65



ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage + Color	
RB	90	AC12065		
RB - RibbonLyte	90 - 90+ CRI	AC12065 - Direct AC 120V IP65	4.024 - 4.0 W/ft (13.1 W/m) 2400K	4.040 - 4.0 W/ft (13.1 W/m) 4000K
			4.027 - 4.0 W/ft (13.1 W/m) 2700K	4.050 - 4.0 W/ft (13.1 W/m) 5000K
			4.030 - 4.0 W/ft (13.1 W/m) 3000K	4.060 - 4.0 W/ft (13.1 W/m) 6000K
			4.035 - 4.0 W/ft (13.1 W/m) 3500K	

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
Part No.: RBHIACMNT (2 clips per 2 ft / 304.8 mm)

Optional Accessories:

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

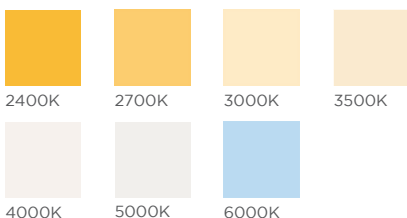
Aluminum Channel with Flat Milky Lens
Part No.: CHDACSVSM (see page 2 for details)

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)

Direct AC Plug
Part No.: ACPLUG3WIRE15A

AVAILABLE COLOR TEMPERATURES

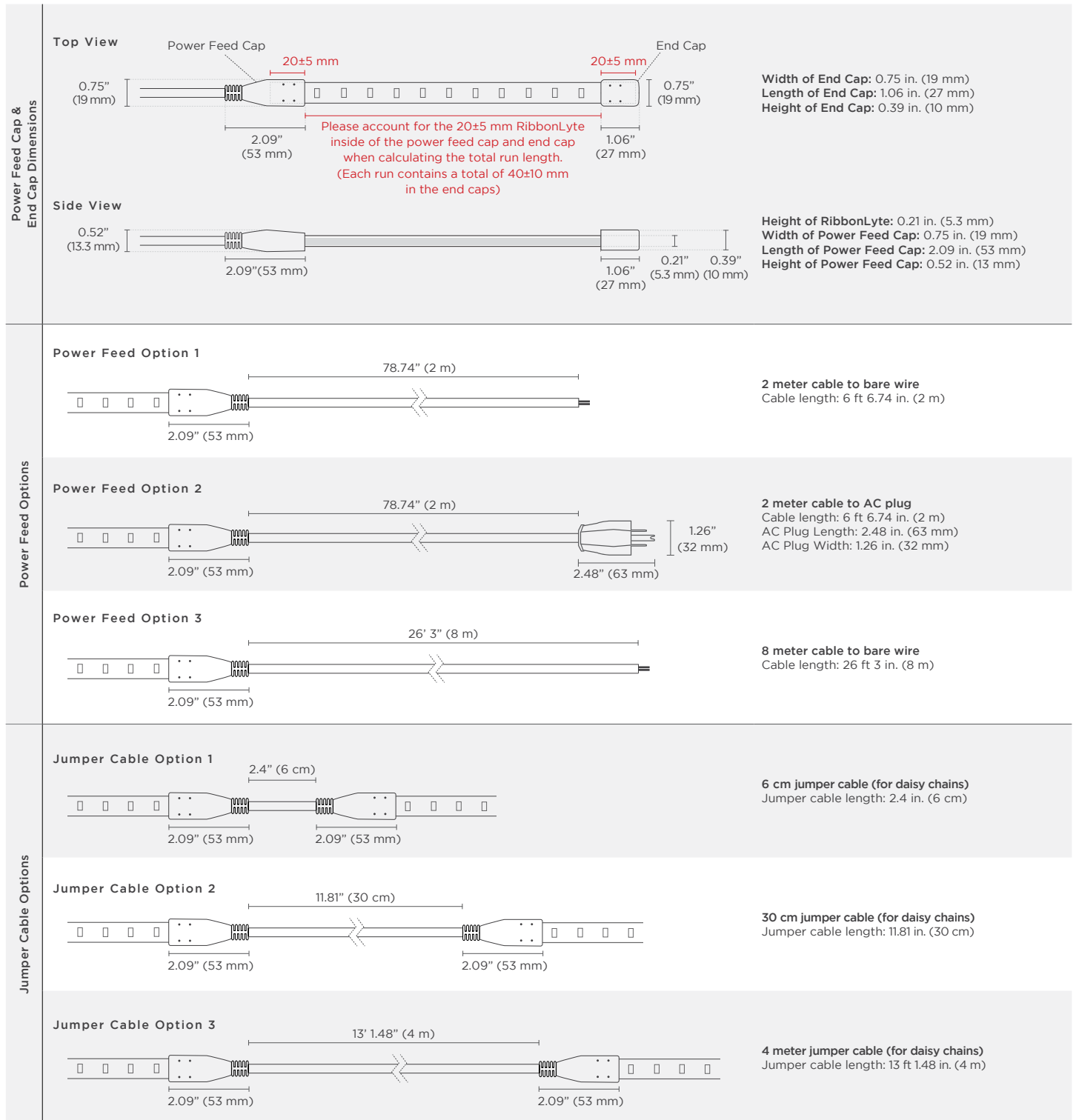


SPECIFICATIONS / DIMENSIONS / CHANNEL COMPATIBILITY

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							
Ambient Temperature	-4 — 113 °F (-20 — 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 ellipse (SDCM)	2-Step Binning							
LED Beam Angle	120°							
Cuttable Length	Every 4 in. (101.6 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.							
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 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)							
Lifetime (L70 reported)	> 36,000 hours at 131 °F (55 °C)							
Dimensions	DIRECT AC RIBBONLYTE			MOUNTING CLIP Part #: RBHIACMNT (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 4 ft / 1.22 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.: CHDACSVSM)			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				

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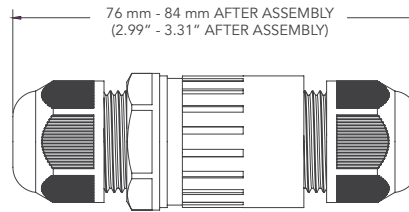
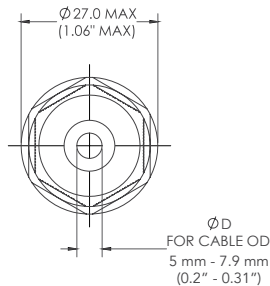
DIAGRAMS



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)

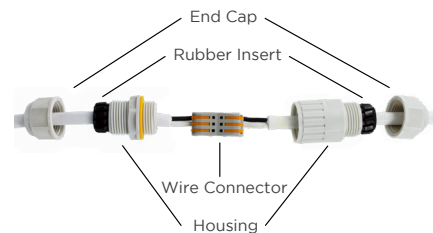


The Connector



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 the RibbonLyte Proper Use Guide in our Application Guide for more information (available for download at www.AcolyteLED.com).
- Compatible with a wide variety of control products.
- For use with Acolyte interface controller DMXINF120RGBW. Acolyte Direct AC RibbonLyte is compatible with Triac and ELV/MLV dimming.
- 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.

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