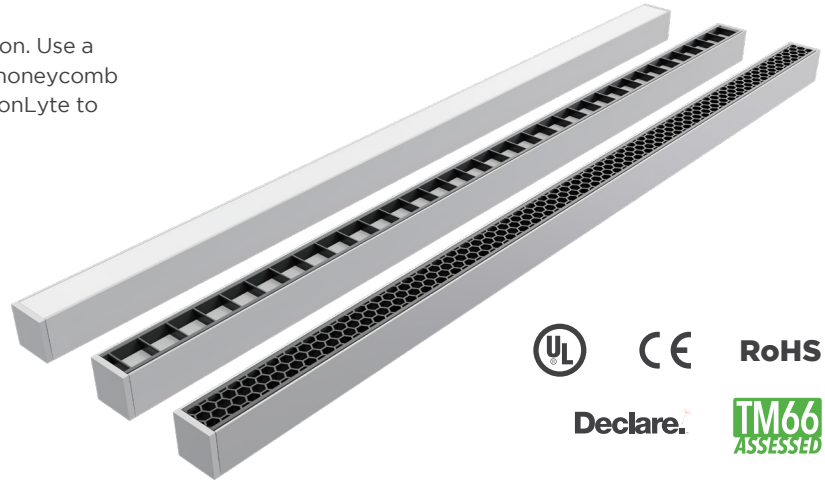


AS15L CHANNEL FIXTURE

AS15L is a small surface mounted aluminum channel extrusion. Use a milky lens or choose the frosted lens with a grille louver or honeycomb louver for enhanced glare control. Pair AS15L with our RibbonLyte to create complete custom fixtures.

- Small surface mounted profile
- Sold by the foot. Factory or field cuttable to any length.
- Milky lens with 110x111° beam angle
- Frosted lens with Grille or Honeycomb louver
- UGR (Grille louver): < 19.9
UGR (Honeycomb louver): < 10.4
(see chart for beam angle with louvers)
- Mount with Mounting Clips, Tilttable Stands or Magnetic Mounts



HOUSING FINISHES



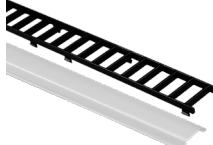
Silver Black* White*
Standard

*Additional fee applies

LENS / LOUVER OPTIONS



Milky Lens (PC)
80% Light Transmission



Grille Louver with Frosted Lens (PC)
75% Light Transmission
UGR < 19.9



Honeycomb Louver with Frosted Lens (PC)
75% Light Transmission
UGR < 10.4

AVAILABLE COLORS & COLOR TEMPERATURES



DIMENSIONS

AS15L Channel	Mounting Clip (included accessory)
Width: 0.59 in. (15 mm) Height: 0.59 in. (15 mm) Internal Width: 0.52 in. (13.2 mm)	Material: stainless steel Side View Width: 0.46 in. (11.8 mm) Height: 0.26 in. (6.7 mm) Top View Width: 0.59 in. (15 mm) Height: 0.46 in. (11.8 mm) Assembled View Width: 0.62 in. (15.7 mm) Height: 0.59 in. (15 mm) Ø 0.17 in. (4.2 mm)

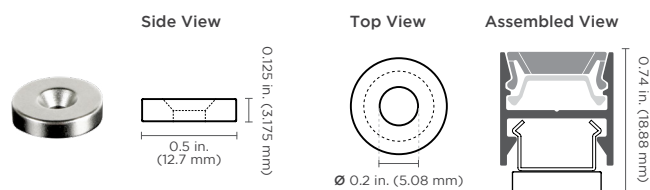
Note:

1. **Magnetic mounting** option available (see page 2)
2. **Exterior channel applications** should be securely attached to the mounting surface with appropriate screws and/or liquid nails. Acolyte strongly recommends field assembly for exterior applications. Use mounting clips for interior applications only.

Acolyte does not warrant or represent that the information is free from errors or omission. The information may change without notice and Acolyte is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.

Beam Angle	Milky Lens: 110x111°, Grille Louver with Frosted Lens: 81x80°, Honeycomb Louver with Frosted Lens: 49x53°
Lens / Louver Type	Milky Lens (PC), Grille Louver with Frosted Lens (PC), Honeycomb Louver with Frosted Lens (PC)
UGR (Unified Glare Rating)	UGR (Grille Louver) < 19.9, UGR (Honeycomb Louver) < 10.4
Length	Channel is sold by the foot and cut to your exact desired length. Required amount of mounting clips included.
Operating Voltage	24 V
Dimming	MLV / 0-10 Volt / ELV / DALI / DMX / CASAMBI
Operating Temperature	-40 — 158 °F (-40 — 70 °C)
Colors	1800K, 2000K, 2200K, 2400K, 2700K, 3000K, 3500K, 4000K, 6000K, Red, Amber, Green, Blue, Pixel RGB, RGBW, RGBWW, RGBA, Variable White, Warm Dim (1800K, 2000K, 2200K, Pixel RGB only available in IP20)
CRI	90+ CRI (for Static White LEDs only)
Lifetime (L70 reported)	50,000 hours
MacAdam ellipse (SDCM)	1-Step Binning (for Static White LEDs only)
Certifications	UL Listed UL 2108 Issued: 2004/02/27 Ed: 1 Rev: 2014/02/24 Low Voltage Lighting Systems CSA C22.2#9.0 Issued: 1996/06/01 Ed: 1 (R2011) General Requirements for Luminaries; with Gen. Inst. 1: 1997, Gen Inst. 2: 1998. ROHS compliant

End Caps (included accessory)			Tilttable Stand (Part #: TILTSTANDST)		
Material: ABS					
End View 0.59 in. (15 mm) 0.59 in. (15 mm)	Side View 0.08 in. (2 mm)		End View 0.59 in. (15 mm)	Side View 0.08 in. (2 mm)	
			Assembled Height with Channel: 1.48 in. (37.5 mm)		
Magnetic Mount (Part #: CHMAGO.5)					



Features:

- High-energy neodymium magnets come attached to mounting clips with countersink hex nuts
- Create easy-mount magnetic channels with minimal surface gaps; no tools or drilling necessary
- Magnets rated for 8 lbs. of pull force with static load

Applications:

- Industrial lighting retrofits for troffers and other metal fixtures
- Metal retail shelf lighting
- Temporary light fixture installations

STATIC WHITE SERIES 2 RIBBONLYTE SPECIFICATIONS, COMPATIBILITY & DELIVERED LUMEN OUTPUT

RibbonLyte Type	Wattage	CCT	Incremental Length	LED Pitch	Max. Length (IP20)	A Delivered Lumen at 3000K with Milky Lens (PC)		Compatibility with ASI5L Channel				Diode Visibility
						lm/ft	lm/m	IP20	IP65	IP68	IP69	Visible = Y Not Visible = N
Static White Series 2	3.0 W/ft	3000K	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	36 ft (11 m)	234	769	✓	✓			Y

Lumen Multiplier by CCT (Static White Series 2 RibbonLyte)

CCT (3.0 W/ft)										
		1800K	2000K	2200K	2400K	2700K	3000K	3500K	4000K	6000K
B	Multiplier	0.67	0.79	0.85	0.91	0.97	1.00	1.03	1.00	1.08

Lumen Multiplier by Wattage (Static White Series 2 RibbonLyte)

Eaten Multiplier by Wattage (Static White Series 2 RibbonType)								
Wattage		0.75 w/ft	1.5 w/ft	2.2 w/ft	3.0 w/ft	4.4 w/ft	5.0 w/ft	6.0 w/ft
C	Multiplier	0.26	0.51	0.73	1.00	1.45	1.60	1.96

A x **B** x **C** = Lumen Output

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ORDERING GUIDE

STEP 1 Complete Channel Part Number

CHANNEL	LENS / LOUVER	HOUSING COLOR
CHAS15L		
CHAS15L - AS15L Channel	M - Milky Lens GF - Grille Louver with Frosted Lens HF - Honeycomb Louver with Frosted Lens	SV - Silver (default) BK - Black* WH - White* * Additional fee applies Consult factory for custom colors

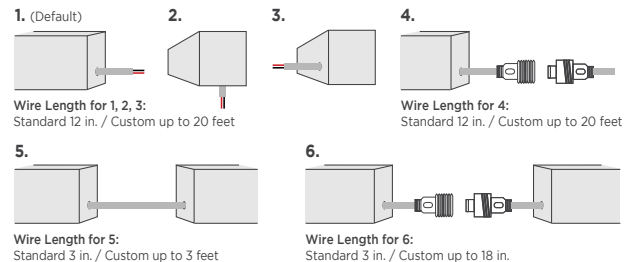
STEP 2 Complete RibbonLyte Part Number

CATEGORY	CRI	RIBBON TYPE & IP RATING		
RB				
RB - RibbonLyte	0 - Static Color, Color Changing 90 - 90+ CRI Static White	SWS220 - Static White Series 2 IP20 SWS265 - Static White Series 2 IP65 SCS220 - Static Color Series 2 IP20 SCS265 - Static Color Series 2 IP65 LINEA20 - Linea RibbonLyte IP20	RGBADD - Pixel RGB IP20 RGBWW20 - RGBWW 5-in-1 IP20 RGBWS220 - RGBW Series 2 IP20 RGBAS220 - RGBA Series 2 IP20 XACTA20 - Xacta RibbonLyte IP20	VWS220 - VW Series 2 IP20 VWS265 - VW Series 2 IP65 WD20 - Warm Dim IP20
NOTE: To ensure waterproofing standards are met, IP65 RibbonLyte can NOT be cut in the field.				
WATTAGE		COLOR		
0.75 - 0.75 W/ft (2.46 W/m - Static White, Static Color)		18 - 1800K	RGB27 - Red, Green, Blue + 2700K (IP20)	
1.0 - 1.0 W/ft (3.3 W/m - Variable White)		20 - 2000K	RGB30 - Red, Green, Blue + 3000K (IP20)	
1.5 - 1.5 W/ft (4.9 W/m - Static White, Static Color)		22 - 2200K	RGB40 - Red, Green, Blue + 4000K (IP20)	
2.2 - 2.2 W/ft (7.2 W/m - Static White, Static Color)		24 - 2400K	RGBA - Red, Green, Blue + Amber (IP20)	
2.4 - 2.4 W/ft (8 W/m - Static White Linea)		27 - 2700K	RGB2465 - Red, Green, Blue + 2400K + 6500K (IP20)	
3.0 - 3.0 W/ft (9.8 W/m - Static White, Static Color, Variable White)		30 - 3000K	RGBS - Pixel RGB (SPI)	
4.3 - 4.3 W/ft (14 W/m - Static White Linea)		35 - 3500K	VW - Variable White 2000K-6500K	
4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color)		40 - 4000K	VW1833 - Variable White 1800K-3300K (IP20)	
5.2 - 5.2 W/ft (17.1 W/m - Warm Dim)		60 - 6000K	2920 - Warm Dim 2900K-2000K (IP20)	
5.0 - 5.0 W/ft (16.4 W/m - Static White**, Static Color**)		R - Red	1830 - Warm Dim 3000K-1800K (IP20)	
6.0 - 6.0 W/ft (19.7 W/m - Static White**, Static Color**, Variable White)		A - Amber	Z - Undecided (For quotes only. Must be chosen before final order.)	
6.1 - 6.1 W/ft (20 W/m - Variable White Linea, Pixel RGB)		G - Green		
** IP65 models are compatible only with Milky Lens option		B - Blue		

CONNECTION OPTIONS (See diagrams on the right)

- | | |
|------------------------------------|-------------------------------------|
| 1 - End Feed Bare Wire Connection | 4 - End Feed with IP67 Male Coupler |
| 2 - Back Feed Bare Wire Connection | 5 - Soldered Daisy Chain |
| 3 - Side Feed Bare Wire Connection | 6 - Daisy Chain With IP67 Couplers |

Custom Length (ft.)



STEP 3 Complete Assembly Option & Length

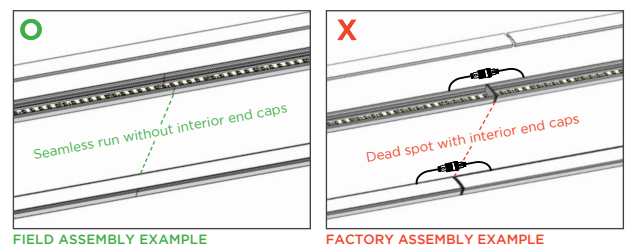
ASSEMBLY OPTION	LENGTH (Standard factory assembled length up to 6 ft 6.7 in. / 2 m)
FI - Field Assembly	
FA - Factory Assembly*** (not recommended for exterior applications)	

*** Factory assembled runs exceeding 6 ft 6.7 in. (2 m) will be split into multiple daisy chained fixtures.

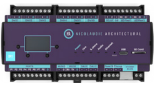
STEP 4 Add Accessories

ACCESSORIES	
TILTSTANDST - Tilttable Stand	CHMAGO.5 - Magnetic Mount

DO NOT BUTT END CAPS AGAINST EACH OTHER WHEN CREATING LONGER FIXTURES
 Acolyte STRONGLY SUGGESTS field assembly (without using interior end caps) for direct-view fixtures of more than 6 ft 6.7 in. (2 m) in length. Field assembly without interior end caps will eliminate gaps or dead spots that can be caused by butting interior end caps against each other.



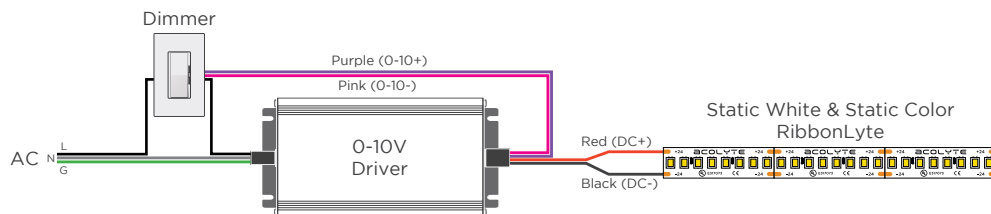
AVAILABLE DRIVERS / CONTROLLERS AND DIMMING OPTIONS / WIRE GAUGE CHART

NON-DIMMING ELECTRONIC DRIVERS			0-10V/ELV/MLV 3-IN-1	ELV	0-10V VW/WD
					
30W, 60W, 96W Non-Dimming Electronic Class 2 Drivers Part No.: • DRVW2430 (30 W) • DRVW2460 (60 W) • DRVW2496 (96 W) 24 VDC 120-277 VAC IP65, dry/damp locations UL Listed	240W, 320W Non-Dimming Electronic Drivers Part No.: • DRVW24240 (240 W) • DRVW24320 (320 W) 24 VDC 90-305 VAC IP65, dry/damp locations UL Recognized	60W, 96W Non-Dimming Compact Drivers Part No.: • DRV2460C (60 W) • DRV2496C (96 W) 24 VDC 120-277 VAC IP20, dry locations UL Class P	60W, 96W, 288W 0-10V/ELV/MLV 3-in-1 Dimmable Drivers Part No.: • DRVW2460TRI010 (60 W) • DRVW2496TRI010 (96 W) • DRVW24288TRI010 (288 W) 24 VDC 120-277 VAC IP65, dry/damp/wet locations UL Listed	60W Dimmable Driver Part No.: • DRVW2460ELV 24 VDC 100-130 VAC Fits in single-gang switch boxes IP20, dry locations UL Recognized	0-10V Dimmable 90W VW/WD Driver Part No.: • DRVRFWDVW2490120 24 VDC 100-277 VAC IP23, dry/damp locations UL Listed
ATHENA WIRELESS COMPATIBLE		CASAMBI COMPATIBLE DRIVERS	DIMMABLE DALI-2 DRIVERS		DIMMABLE DALI-2 DRIVERS
					
94W Athena Wireless Compatible Drivers Part No.: • DRVW2494ATH1CH (1 channel) • DRVW2494ATH2CH (2 channel) 24 VDC 100-277 VAC Dry locations UL Listed	100W & 200W Casambi Compatible 4 Channel Drivers Part No.: • DRVW24100CAS4CH (100 W) • DRVW24200CAS4CH (200 W) 24 VDC 100-277 VAC IP66, dry/damp/wet locations UL Listed, CE, RoHS, Bluetooth, CASAMBI	96W DIMMABLE DALI-2 DT6 D4I & DALI-2 DT8 D4I DRIVERS Part No.: • DRVW2496DALI1CH (1 channel) • DRVW2496DALI2CH (2 channel) 24-26 VDC 120-277 VAC IP67, dry/damp/wet locations UL Listed	75W, 150W, 240W DALI-2 Dimmable Drivers Part No.: • DRVW2475DALI1CH (75 W, 1 channel) • DRVW24150DALI1CH (150 W, 1 channel) • DRVW24240DALI1CH (240 W, 1 channel) • DRV24150DALI2CH (150 W, 2 channels) • DRV24150DALI4CH (150 W, 4 channels) 24 VDC 120-277 VAC IP67, damp/wet locations (1-channel drivers only) IP20, dry location (2-channel & 4-channel drivers only) CE, RoHS, SELV		
DMX CONTROLLERS, VARIABLE WHITE DIMMER, WARM DIM DIMMER - FOR COLOR CHANGING FIXTURES					
					
GLASS TOUCH WALL CONTROLLERS Part No.: • AWCRCBWWBK • AWCVWBK	1 ZONE WALL CONTROLLER Part No.: DMXCTRLG	5 ZONE WALL CONTROLLER Part No.: DMXCTRL	10 ZONE WALL CONTROLLER Part No.: DMXCTRLD	6 UNIVERSE DMX CONTROLLER Part No.: DMXCTRLR6U	
					
VARIABLE WHITE DIMMER Part No.: • RFDIMVWWH (White) • RFDIMVWBK (Black)	WARM DIM DIMMER Part No.: • RFDIMWDWH (White) • RFDIMWDBK (Black)	4 CHANNEL WATERPROOF DMX INTERFACE Part No.: DMXINFWCLCD4	5 CHANNEL DMX DECODER Part No.: DMXINF5	DMX OPTO SPLITTER Part No.: DMXOS8	

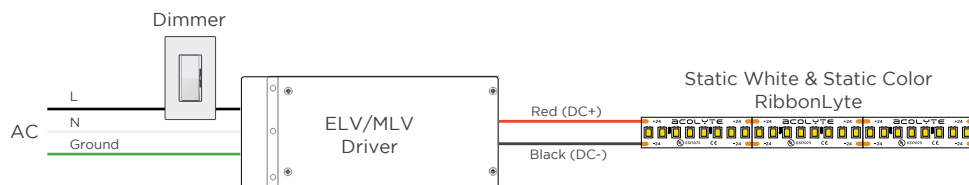
DRIVER AND RIBBONLYTE AT FULL LOAD																
Wattages	30		60		96		150		200		240		300		320	
	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.25 mm ²	14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG / 0.34 mm ²	22	6.71	14	4.27	9	2.74	5.75	1.75	4.5	1.37	3.5	1.07	2.75	0.84	2.75	0.84
20 AWG / 0.5 mm ²	35	10.67	23	7.01	14	4.27	9	2.74	7	2.13	5.75	1.75	4.5	1.37	4.25	1.30
18 AWG / 0.75 mm ²	56	17.07	37	11.28	23	7.01	15	4.57	11	3.35	9	2.74	7.5	2.29	7	2.13
16 AWG / 1.5 mm ²	90	27.44	60	18.29	37	11.28	24	7.32	18	5.49	15	4.57	12	3.66	11	3.35
14 AWG / 2.5 mm ²	142	43.29	95	28.96	59	17.99	38	11.59	28	8.54	23	7.01	19	5.79	17	5.18
12 AWG / 4 mm ²	226	68.90	151	46.04	94	28.66	60	18.29	45	13.72	37	11.28	30	9.15	28	8.54
10 AWG / 6 mm ²	360	109.76	240	73.17	150	45.73	96	29.27	72	21.95	60	18.29	48	14.63	45	13.72
8 AWG / 10 mm ²	574	175.00	381	116.16	239	72.87	153	46.65	115	35.06	95	28.96	76	23.17	71	21.65

WIRING DIAGRAMS - STATIC WHITE / STATIC COLOR / RGBW / RGBA / RGBWW

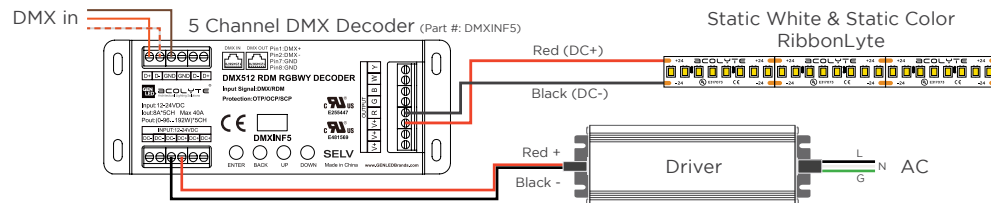
0-10 V



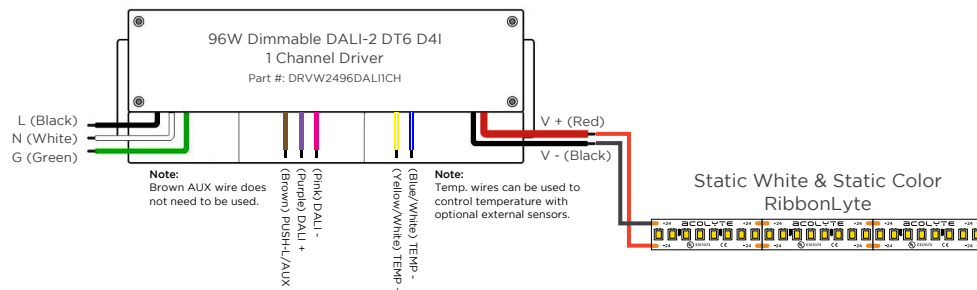
MLV / ELV



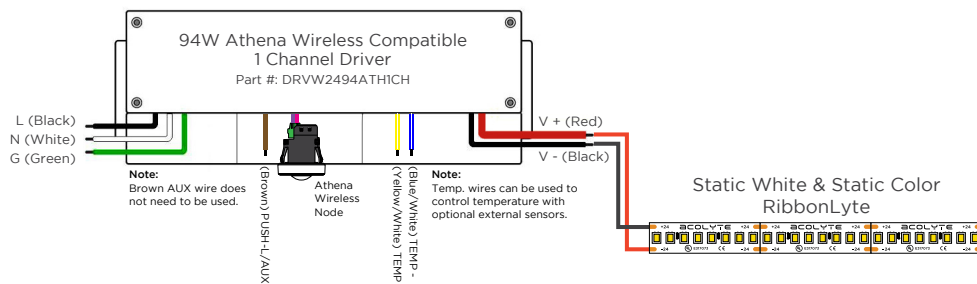
DMX WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



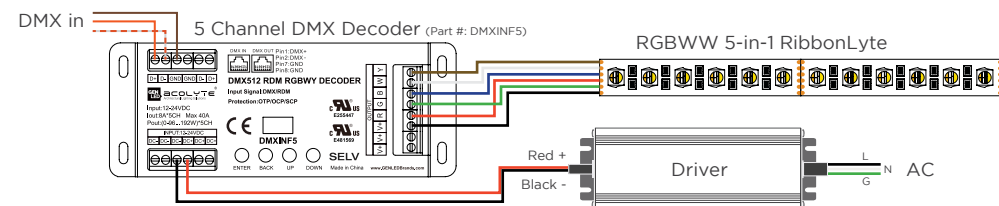
DALI-2 WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



STATIC WHITE & STATIC COLOR RIBBONLYTE WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER



DMX WITH RGBWW 5-IN-1 RIBBONLYTE



WIRE COLORS PER RIBBONLYTE COLOR

STATIC WHITE + STATIC COLOR

Red Wire (+) Positive
Black Wire (-) Negative

RGBW + RGBA

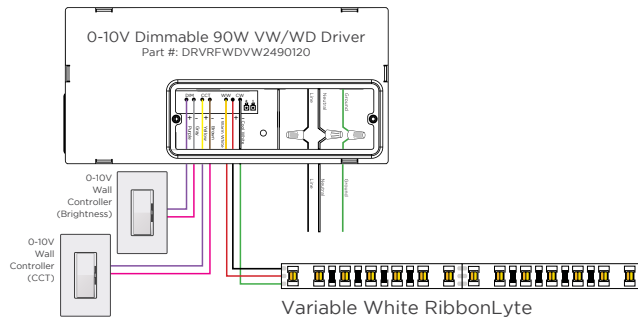
Black Wire (+) Positive
Green Wire (-) goes to Green Channel
Red Wire (-) goes to Red Channel
Blue Wire (-) goes to Blue Channel
White Wire (-) goes to White Channel

RGBWW

Black (+) Positive
Green Wire (-) goes to Green Channel
Red Wire (-) goes to Red Channel
Blue Wire (-) goes to Blue Channel
White Wire (-) goes to White Channel 1
Brown Wire (-) goes to White Channel 2

WIRING DIAGRAMS - VARIABLE WHITE

2-CHANNEL VARIABLE WHITE DIMMING



WIRE COLORS PER RIBBONLYTE COLOR

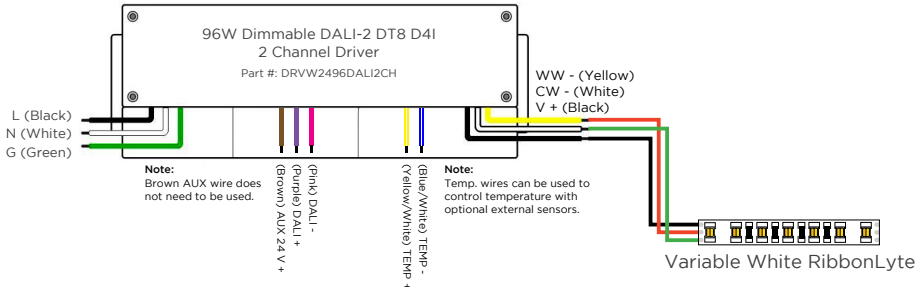
VARIABLE WHITE

Black Wire (+) Positive
Red Wire (-) goes to Warm White Channel
Green Wire (-) goes to Cool White Channel

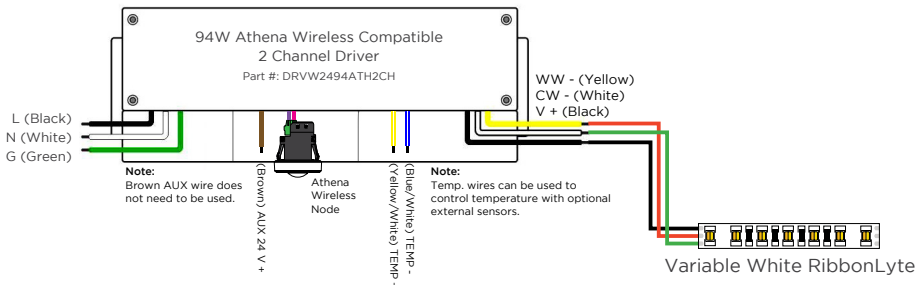
DMX WIRING WITH VARIABLE WHITE RIBBONLYTE



DALI-2 WIRING WITH VARIABLE WHITE RIBBONLYTE



VARIABLE WHITE RIBBONLYTE WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER



REV.30JUN2026

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