

AS5 CHANNEL FIXTURE

AS5 Channel is a low-profile aluminum channel. The 120-degree beam angle is ideal for a wide, even spread of light in cove and toe kick applications. Use AS5 in conjunction with our tilttable stands or with unique mounting clips that snap underneath, so you don't see the mounting clips or any fit lines on the outside of the channel. Custom design a fixture with our AS5 Channel and RibbonLyte products.

- Available for field assembly or factory assembly
- Beam Angle 120°
- Wattage Range from 0.75 W/ft (2.46 W/m) to 8.8 W/ft (28.9 W/m)
- Static White delivered lumen range from 44.1 lm/ft (144.6 lm/m) up to 673.2 lm/ft (2208.1 lm/m)
- Assembled in USA

HOUSING FINISHES



Silver
Standard

Custom
RAL*

*Additional fee applies

AVAILABLE LENS FINISHES

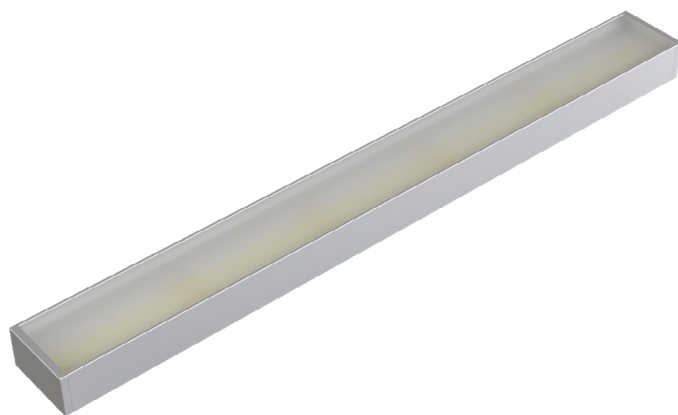


Frosted Lens
90% Light Transmission



RoHS

Declare.



DIMENSIONS

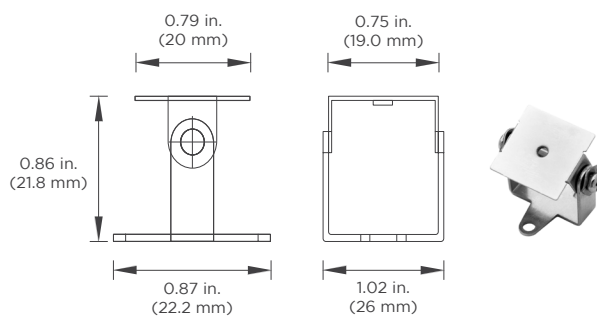
AS5 Channel	Mounting Clip (included accessory)		
Width: 0.76 in. (19.4 mm) Height: 0.43 in. (11 mm) Internal Width: 0.47 in. (12 mm)	Side View	Top View	Assembled View
	Width: 0.57 in. (14.5 mm) Length: 0.95 in. (24 mm) Height: 0.15 in. (3.7 mm) Note: 1. Magnetic mounting option available (see page 2) 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.		

SPECIFICATIONS

Beam Angle	120°
Lens Type	Frosted Lens
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
Operating Temperature	-40 — 158 °F (-40 — 70 °C)
Colors	1800K, 2000K, 2200K, 2400K, 2700K, 3000K, 3500K, 4000K, 6000K, Red, Amber, Green, Blue, RGBW, RGBWW, RGBA, VW, Warm Dim (1800K, 2000K, 2200K only available in IP20)
CRI	90+ CRI (Static white only)
Lamp Life	L70 at 50,000 hours
MacAdam ellipse (SDCM)	2-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 Luminaires; with Gen. Inst. 1: 1997, Gen Inst. 2: 1998. ROHS compliant

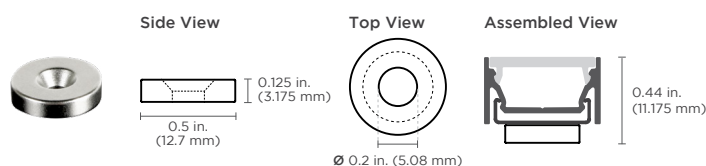
ACCESSORIES

Tilttable Stand (Part # TILTSTANDST)



Assembled Height with Channel: 1.29 in. (32.8 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

ORDERING GUIDE

STEP 1 Complete Channel Part Number

CHANNEL	LENS	HOUSING COLOR
CHAS5	F	SV
CHAS5 - AS5 Channel	F - Frosted Lens	SV - Silver (default) 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	LINEA20 - Linea RibbonLyte IP20 SWS220 - Static White Series 2 IP20 SWS265 - Static White Series 2 IP65 SCS220 - Static Color Series 2 IP20 SCS265 - Static Color Series 2 IP65
		RGBWW20 - RGBWW 5-in-1 IP20 RGBWS220 - RGBW Series 2 IP20 RGBWS265 - RGBW Series 2 IP65 VWS220 - VW Series 2 IP20 VWS265 - VW Series 2 IP65
		WD20 - Warm Dim IP20 WD65 - Warm Dim IP65

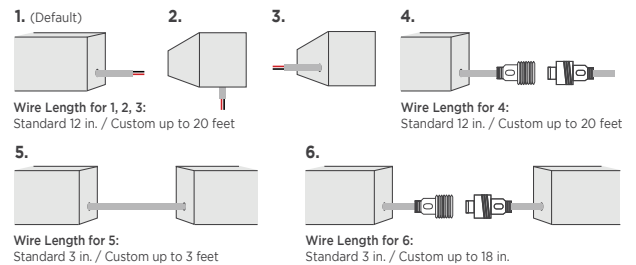
NOTE: To ensure waterproofing standards are met, IP65 RibbonLyte can NOT be cut in the field.

WATTAGE	COLOR
0.75 - 0.75 W/ft (2.46 W/m - Static White, Static Color)	18 - 1800K RGB27 - Red, Green, Blue + 2700K
1.0 - 1.0 W/ft (3.3 W/m - Variable White)	20 - 2000K RGB30 - Red, Green, Blue + 3000K
1.5 - 1.5 W/ft (4.9 W/m - Static White, Static Color)	22 - 2200K RGB40 - Red, Green, Blue + 4000K
2.2 - 2.2 W/ft (7.2 W/m - Static White, Static Color)	24 - 2400K RGB2465 - Red, Green, Blue + 2400K + 6500K
2.4 - 2.4 W/ft (8 W/m - Static White Linea)	27 - 2700K RGBA - Red, Green, Blue + Amber
3.0 - 3.0 W/ft (9.8 W/m - Static White, Static Color, Variable White)	30 - 3000K VW - Variable White
4.3 - 4.3 W/ft (14 W/m - Static White Linea)	35 - 3500K 2920 - Warm Dim 2900K-2000K (IP20)
4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color, RGBW, RGBWW, RGBA)	40 - 4000K 2721 - Warm Dim 2700K - 2100K (IP65+IP68)
5.0 - 5.0 W/ft (16.4 W/m - Static White, Static Color)	60 - 6000K Z - Undecided**
5.2 - 5.2 W/ft (17.1 W/m - Warm Dim)	R - Red ** For quotes only. Must be chosen before final order.
5.5 - 5.5 W/ft (18.0 W/m - RGBW, RGBA)	A - Amber
6.0 - 6.0 W/ft (19.7 W/m - Static White, Static Color, Variable White)	G - Green
6.1 - 6.1 W/ft (20 W/m - Variable White Linea)	B - Blue
8.8 - 8.8 W/ft (28.9 W/m - RGBW, RGBWW)	

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)	

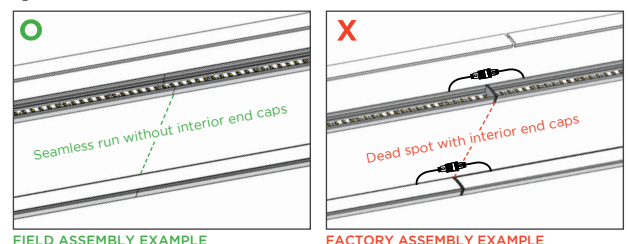
* Factory assembled runs exceeding 6 ft 6.7 in. (2 m) will be split into multiple daisy chained fixtures.

STEP 4 Add Accessories

ACCESSORIES

TILTSTANDST - Tiltable Stand	CHMAG0.5 - Magnetic Mount
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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.



RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Cuttable Length	LED Pitch	Color Temp.	lm/W without Lens	Delivered Lumens with Frosted Lens	Max Length	Compatible with Channel		
							IP20	IP65	IP68
0.75 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	84	53.6 lm/ft (175.8 lm/m)	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			2000K	99	63.1 lm/ft (207 lm/m)				
			2200K	109	69.5 lm/ft (228 lm/m)				
			2400K	113	72.0 lm/ft (236.2 lm/m)				
			2700K	123	78.4 lm/ft (257.2 lm/m)				
			3000K	123	78.4 lm/ft (257.2 lm/m)				
			3500K	130	82.9 lm/ft (272 lm/m)				
			4000K	134	85.4 lm/ft (280.1 lm/m)				
			6000K	131	83.5 lm/ft (273.9 lm/m)				
			1800K	84	107.1 lm/ft (351.3 lm/m)				
			2000K	98	125 lm/ft (410 lm/m)				
			2200K	109	139 lm/ft (455.9 lm/m)				
			2400K	113	144.1 lm/ft (472.6 lm/m)				
			2700K	123	156.8 lm/ft (514.3 lm/m)				
			3000K	123	156.8 lm/ft (514.3 lm/m)				
			3500K	129	164.5 lm/ft (539.6 lm/m)				
			4000K	134	170.9 lm/ft (560.6 lm/m)	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			6000K	131	167 lm/ft (547.8 lm/m)				
			1800K	83	155.2 lm/ft (509.1 lm/m)				
			2000K	96	179.5 lm/ft (588.8 lm/m)				
			2200K	106	198.2 lm/ft (650.1 lm/m)				
			2400K	111	207.6 lm/ft (680.9 lm/m)				
			2700K	120	224.4 lm/ft (736 lm/m)				
			3000K	122	228.1 lm/ft (748.2 lm/m)				
2.2 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	3500K	127	237.5 lm/ft (779 lm/m)	IP20: 42 ft (12.8 m) IP65: 32.8 ft (10 m)	✓	✓	
			4000K	133	248.7 lm/ft (779 lm/m)				
			6000K	128	239.4 lm/ft (785.2 lm/m)				
			2400K	109.8	280.1 lm/ft (918.6 lm/m)				
			2700K	122.9	313.5 lm/ft (1028.1 lm/m)				
			3000K	130	331.4 lm/ft (1087.1 lm/m)				
			3500K	133	339.2 lm/ft (1112.4 lm/m)				
			4000K	133	339.2 lm/ft (1112.4 lm/m)				
3.0 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	6000K	127	323.7 lm/ft (1061.8 lm/m)	IP20: 36 ft (11 m) IP65: 32.8 ft (10 m)	✓	✓	
			2400K	109	407.7 lm/ft (1337.1 lm/m)				
			2700K	124	456.3 lm/ft (1496.6 lm/m)				
			3000K	131	482.5 lm/ft (1582.5 lm/m)				
			3500K	133	493.7 lm/ft (1619.3 lm/m)				
4.4 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	4000K	133	493.7 lm/ft (1619.3 lm/m)	28 ft 4 in. (8.64 m)	✓	✓	
			6000K	128	471.2 lm/ft (1545.7 lm/m)				
			2400K	110	466.8 lm/ft (1531 lm/m)				
			2700K	124	522.4 lm/ft (1713.6 lm/m)				
			3000K	134	552.4 lm/ft (1811.9 lm/m)				
5.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	3500K	135	565.3 lm/ft (1854 lm/m)	IP20: 33 ft 4 in. (10.1 m) IP65: 32.8 ft (10 m)	✓	✓	
			4000K	134	565.3 lm/ft (1854 lm/m)				
			6000K	130	539.6 lm/ft (1769.7 lm/m)				
			2400K	109	555.9 lm/ft (1823.4 lm/m)				
			2700K	122	622.2 lm/ft (2040.8 lm/m)				
6.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	3000K	129	657.9 lm/ft (2157.9 lm/m)	28 ft (8.5 m)	✓	✓	
			3500K	132	673.2 lm/ft (2208.1 lm/m)				
			4000K	132	673.2 lm/ft (2208.1 lm/m)				
			6000K	126	642.6 lm/ft (2107.7 lm/m)				



RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Cuttable Length	LED Pitch	Color Temp.	lm/W without Lens	Delivered Lumens with Frosted Lens	Max Length	Compatible with Channel		
							IP20	IP65	IP68
0.75 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	41	26 lm/ft (86 lm/m)	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			Green	175	112 lm/ft (366 lm/m)				
			Blue	19	12 lm/ft (40 lm/m)				
			Amber	34	22 lm/ft (71 lm/m)				
1.5 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	42	54 lm/ft (176 lm/m)	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓	
			Green	160	204 lm/ft (669 lm/m)				
			Blue	18	23 lm/ft (75 lm/m)				
			Amber	33	43 lm/ft (142 lm/m)				
2.2 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	42	79 lm/ft (258 lm/m)	IP20: 42 ft (12.8 m) IP65: 32.8 ft (10 m)	✓	✓	
			Green	145	271 lm/ft (889 lm/m)				
			Blue	18	34 lm/ft (110 lm/m)				
			Amber	33	62 lm/ft (202 lm/m)				
3.0 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	40	102.0 lm/ft (334.6 lm/m)	32.8 ft (10 m)	✓	✓	
			Green	127	323.9 lm/ft (1062.2 lm/m)				
			Blue	25	63.8 lm/ft (209.1 lm/m)				
			Amber	29	74.0 lm/ft (242.6 lm/m)				
4.4 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	38	142.1 lm/ft (466.2 lm/m)	29 ft (8.8 m)	✓	✓	
			Green	117	437.6 lm/ft (1435.3 lm/m)				
			Blue	24	89.8 lm/ft (294.4 lm/m)				
			Amber	25	93.5 lm/ft (306.7 lm/m)				
5.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	37	157.3 lm/ft (515.8 lm/m)	30 ft (9.14 m)	✓	✓	
			Green	116	493.0 lm/ft (1617.0 lm/m)				
			Blue	24	102.0 lm/ft (334.6 lm/m)				
			Amber	26	110.5 lm/ft (362.4 lm/m)				
6.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	37	188.7 lm/ft (618.9 lm/m)	28 ft (8.5 m)	✓	✓	
			Green	113	576.3 lm/ft (1890.3 lm/m)				
			Blue	23	117.3 lm/ft (384.8 lm/m)				
			Amber	24	122.4 lm/ft (401.6 lm/m)				
2.4 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	67	136.9 lm/ft (448.8 lm/m)	21.3 ft (6.5 m)	✓	N/A	N/A
			3000K	71	144.5 lm/ft (475.2 lm/m)				
			3500K	83	169.2 lm/ft (555.9 lm/m)				
			4000K	83	169.2 lm/ft (555.9 lm/m)				
3.0 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	66	168.3 lm/ft (552.5 lm/m)	21.3 ft (6.5 m)	✓	N/A	N/A
			3000K	73	186.2 lm/ft (611.2 lm/m)				
			3500K	78	198.9 lm/ft (652.8 lm/m)				
			4000K	83	211.7 lm/ft (694.5 lm/m)				
4.3 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	75	274.6 lm/ft (899.3 lm/m)	24.6 ft (7.5 m)	✓	N/A	N/A
			3000K	78	284.8 lm/ft (935 lm/m)				
			3500K	86	314.5 lm/ft (1031.9 lm/m)				
			4000K	86	314.5 lm/ft (1031.9 lm/m)				
6.1 Variable White Linea	1.09 in. (27.78 mm)	175 LEDs/ft (576 LEDs/m)	2700K + 6500K	95	493 lm/ft (1617.6 lm/m)	16.4 ft (5 m)	✓	N/A	N/A

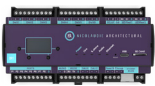
RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Cutttable Length	LED Pitch	Color Temp.	lm/W without Lens	Delivered Lumens with Frosted Lens	Max Length	Compatible with Channel		
							IP20	IP65	IP68
1.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	85	72.3 lm/ft (237 lm/m)	32.8 ft (10 m)	✓	✓	✓
3.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	80	205.0 lm/ft (670 lm/m)	32.8 ft (10 m)	✓	✓	✓
6.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	75	382.5 lm/ft (1255 lm/m)	19 ft 8 in. (6 m)	✓	✓	✓
4.4 RGBW Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBW	45	168.3 lm/ft (552.2 lm/m) All LEDs at 100%	19 ft 8 in. (6 m)	✓	N/A	N/A
5.5 RGBW Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBW	59	275.8 lm/ft (904.9 lm/m) All LEDs at 100%	IP65: 16 ft 4 in. (5 m) IP68: 19 ft 7.9 in. (6 m)	N/A	✓	
8.8 RGBW Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBW	61	456.3 lm/ft (1497.1 lm/m) All LEDs at 100%	16 ft 4 in. (5 m)	✓	N/A	N/A
4.4 5-in-1 RGBWW	2.46 in. (62.5 mm)	29 LED/ft (96 LED/m)	RGBWW	59	220.7 lm/ft (724.0 lm/m) All LEDs at 100%	16 ft 4 in. (5 m)	✓	N/A	N/A
8.8 5-in-1 RGBWW	2.46 in. (62.5 mm)	29 LED/ft (96 LED/m)	RGBWW	50	374.0 lm/ft (1227.1 lm/m) All LEDs at 100%	11 ft 6 in. (3.5 m)	✓	N/A	N/A
5.2 Warm Dim	3.94 in. (100 mm)	36 LEDs/ft (120 LEDs/m)	WARM DIM	55	244.8 lm/ft (803.25 lm/m)	16 ft 4 in. (5 m)	✓	✓	

DIODE VISIBILITY CHART (Data below applies to installations with Milky lens only)

 No Visible Diode = N Note: Linea RibbonLyte has no visible diode		 With Visible Diode = Y						
Static White & Static Color RibbonLyte		Color Changing RibbonLyte						
0.75/1.5/2.2/3.0	4.4/5.0/6.0	4.4 RGBW Series 2	5.5 RGBW Series 2	8.8 RGBW Series 2	4.4 5-in-1 RGBWW	8.8 5-in-1 RGBWW	Warm Dim	Variable White
IP20 IP65	IP20 IP65	IP20	IP65	IP20	IP20	IP20	IP20 IP65	IP20 IP65
Y	N	Y	Y	Y	Y	Y	Y	Y

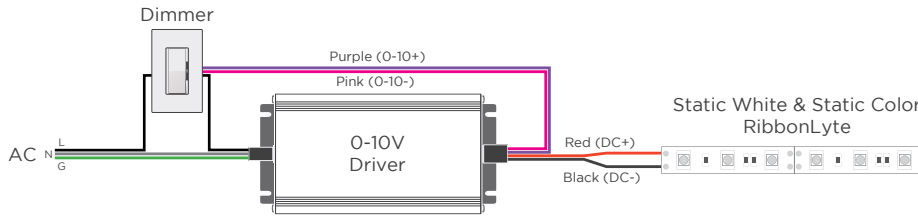
AVAILABLE DRIVERS / CONTROLLERS AND DIMMING OPTIONS / WIRE GAUGE CHART

NON-DIMMING ELECTRONIC DRIVERS		0-10V/ELV/MLV 3-IN-1		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	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	
					
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 • AWCWVBK	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.: DMXCTRLDR6U	
					
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.: DMXINFWLCD4	5 CHANNEL DMX DECODER Part No.: DMXINF5	DMX OPTO SPLITTER Part No.: DMXOS8	

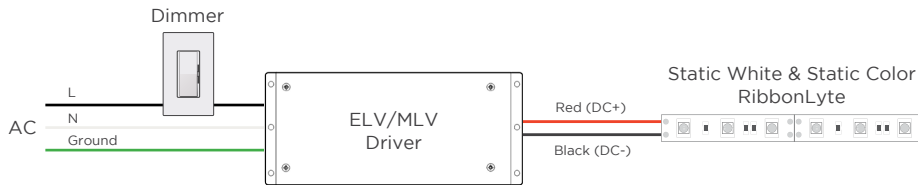
DRIVER AND RIBBONLYTE AT FULL LOAD																
Wattages	30		60		96		150		200		240		300		320	
	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.25 mm ²	14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG / 0.34 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

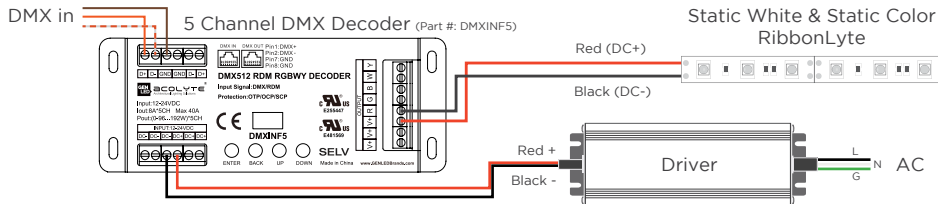
0-10 V



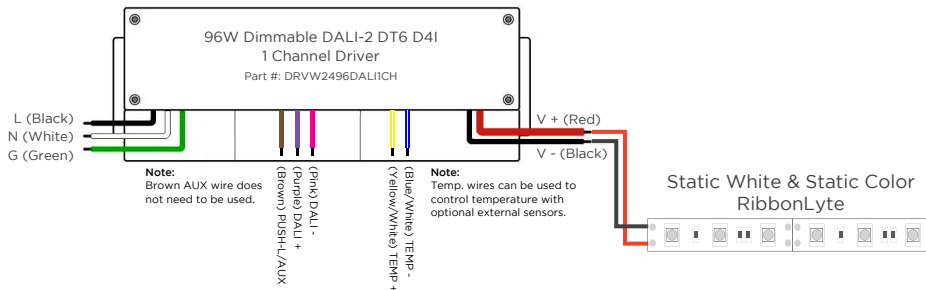
MLV / ELV



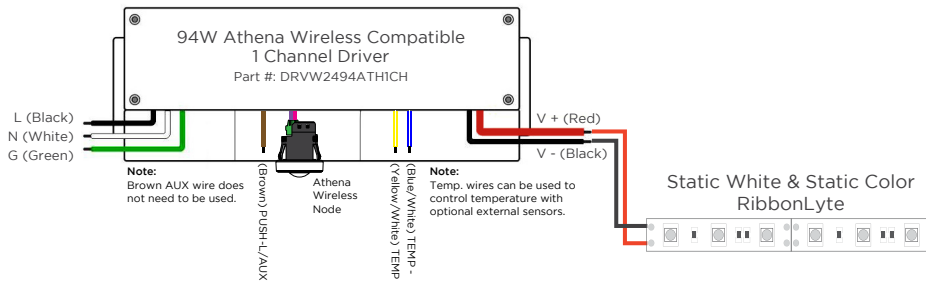
DMX WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



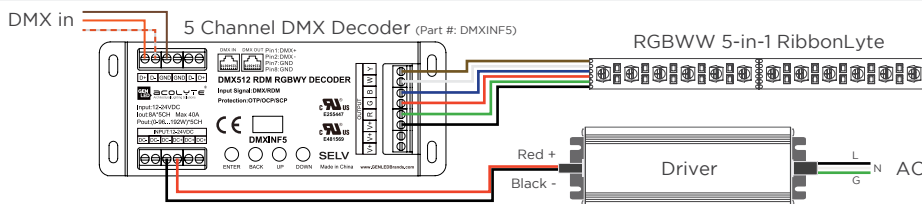
DALI-2 WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



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

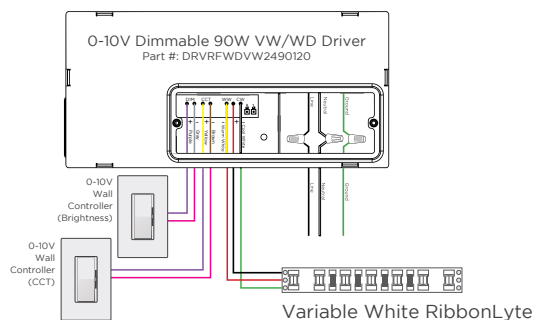
Black Wire (+) Positive
Green Wire (-) goes to Green Channel
Red Wire (-) goes to Red Channel
Blue Wire (-) goes to Blue Channel
White Wire (-) goes to White Channel

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

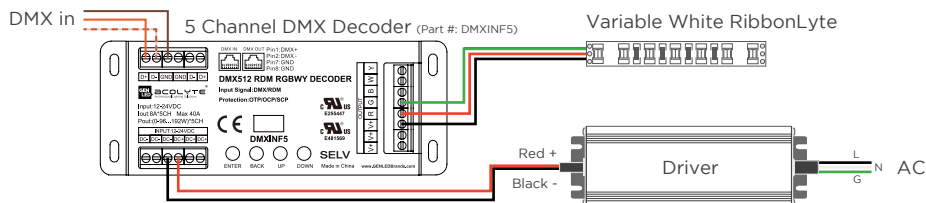


WIRE COLORS PER RIBBONLYTE COLOR

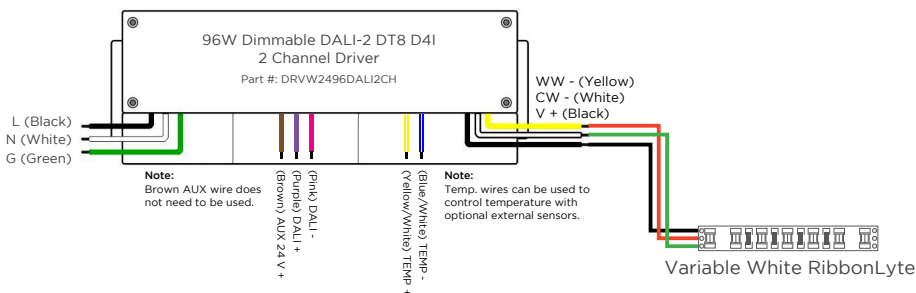
VARIABLE WHITE

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

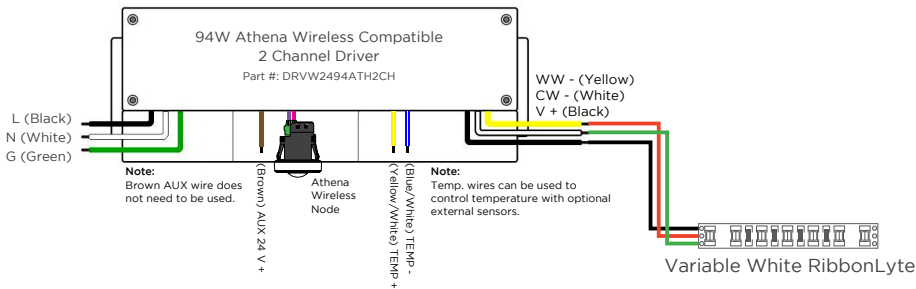
DMX WIRING WITH VARIABLE WHITE RIBBONLYTE



DALI-2 WIRING WITH VARIABLE WHITE RIBBONLYTE



VARIABLE WHITE RIBBONLYTE WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER



REV.21OCT2025

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