

AS22 CHANNEL FIXTURE

AS22 channel is an aluminum surface mounted extrusion. It features a raised round lens with a 100° beam angle and holds RibbonLyte with a maximum width of up to 0.87 in. (22 mm).

- Available for field assembly or factory assembly
- 1.03 in. (26.2 mm) wide by 1.3 in. (32.9 mm) deep
- 100° beam angle
- Wattage Range: 0.75 W/ft (2.46 W/m) to 8.8 W/ft (28.86 W/m)
- Static White delivered lumen range: 48.51 lm/ft (159.39 lm/m) to 728.64 lm/ft (2390.16 lm/m)
- Milky lens
- For interior applications only



HOUSING FINISHES



*Additional fee applies

LENS FINISHES



Milky Lens
77% Light Transmission

** Our black lens offers great diffusion and helps hide fixtures that aren't in use.



RoHS

Declare.

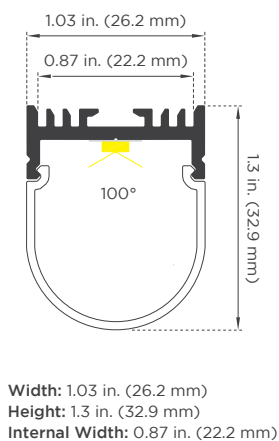


AVAILABLE COLORS & COLOR TEMPERATURES



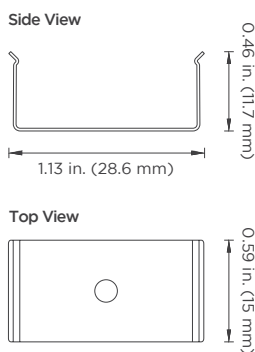
DIMENSIONS

AS22 Channel

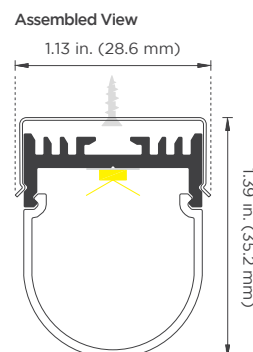


Mounting Clip (included accessory)

Material: stainless steel



Width: 0.59 in. (15 mm)
Length: 1.13 in. (28.6 mm)
Height: 0.46 in. (11.7 mm)



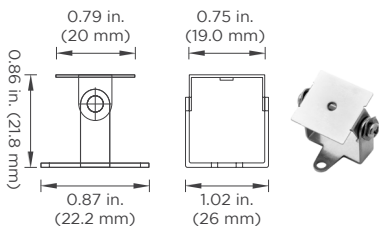
Note:

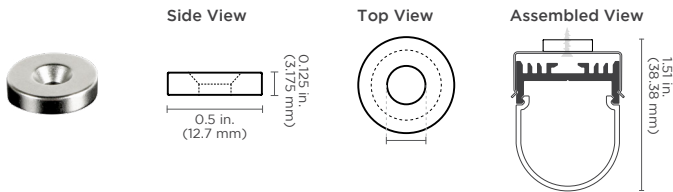
1. Magnetic mounting option available (see page 2)
2. Raised lenses are for interior applications only.

SPECIFICATIONS

Beam Angle	100°
Lens Type	Milky Lens
Length	Channel is sold by the foot and cut to your exact desired length.
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, RGBA, RGBW, RGBWW, VW, Pixel (RGB), RGBW Addressable, Warm Dim (Note: 1800K, 2000K, 2200K and Pixel are only available in IP20)
CRI	90+ CRI (Static White only)
Lifetime (L70 reported)	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 Luminaries; with Gen. Inst. 1: 1997, Gen Inst. 2: 1998. ROHS compliant

ACCESSORIES

Tiltable Stand (Part #: TILTSTANDST) Material: stainless steel  0.79 in. (20 mm) 0.75 in. (19.0 mm) 0.86 in. (21.8 mm) 0.87 in. (22.2 mm) 1.02 in. (26 mm) Assembled Height with Channel: 2.24 in. (57 mm)	End Caps (included accessory) Material: ABS 
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Magnetic Mount  Side View 0.5 in. (12.7 mm) 0.125 in. (3.175 mm) Top View Assembled View 1.51 in. (38.56 mm)	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
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ORDERING GUIDE

STEP 1 Complete Channel Part Number

CHANNEL	LENS	HOUSING COLOR	
CHAS22	M		
CHAS22 - AS22 Channel	M - Milky Lens	SV - Silver	WH - White
		BK - Black	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 SWS268 - Static White Series 2 IP68 SCS220 - Static Color Series 2 IP20 SCS265 - Static Color Series 2 IP65 SCS268 - Static Color Series 2 IP68	RGBWW20 - RGBWW 5-in-1 IP20 RGBWS220 - RGBW Series 2 IP20 RGBWS265 - RGBW Series 2 IP65 RGBWS268 - RGBW Series 2 IP68 VWS220 - VW Series 2 IP20 VWS265 - VW Series 2 IP65 VWS268 - VW Series 2 IP68	WD20 - Warm Dim IP20 WD65 - Warm Dim IP65 WD68 - Warm Dim IP68 RGBADD - Pixel IP20

NOTE: To ensure waterproofing standards are met, IP65 and IP68 RibbonLyte can NOT be cut in the field.

WATTAGE

0.75 - 0.75 W/ft (2.46 W/m - Static White, Static Color)
1.0 - 1.0 W/ft (3.3 W/m - Variable White)
1.5 - 1.5 W/ft (4.9 W/m - Static White, Static Color)
2.2 - 2.2 W/ft (7.2 W/m - Static White, Static Color)
2.4 - 2.4 W/ft (8 W/m - Static White)
3.0 - 3.0 W/ft (9.8 W/m - Static White, Static Color, Variable White)
4.3 - 4.3 W/ft (14 W/m - Static White)
4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color, RGBW, RGBWW, RGBA)
5.2 - 5.2 W/ft (17.1 W/m - Warm Dim)
5.0 - 5.0 W/ft (16.4 W/m - Static White, Static Color)
5.3 - 5.3 W/ft (17.5 W/m - Pixel)
5.5 - 5.5 W/ft (18.0 W/m - RGBW, RGBA)
6.0 - 6.0 W/ft (19.7 W/m - Static White, Static Color, Variable White)
6.1 - 6.1 W/ft (20 W/m - Variable White)
8.8 - 8.8 W/ft (28.86 W/m - RGBW, RGBWW)

COLOR

18 - 1800K	R - Red	RGB27 - Red, Green, Blue + 2700K
20 - 2000K	A - Amber	RGB30 - Red, Green, Blue + 3000K
22 - 2200K	G - Green	RGB40 - Red, Green, Blue + 4000K
24 - 2400K	B - Blue	RGB2465 - Red, Green, Blue + 2400K + 6500K
27 - 2700K		RGBA - Red, Green, Blue + Amber
30 - 3000K		RGBS - Pixel (SPI)
35 - 3500K		VW - Variable White 2000K-6500K
40 - 4000K		VW1833 - Variable White 1800K-3300K (IP20)
60 - 6000K		2920 - Warm Dim 2900K-2000K (IP20)
		2721 - Warm Dim 2900K-2000K (IP65)
		Z - Undecided**

** For quotes only. Must be chosen before final order.

CONNECTION OPTIONS (See diagrams on the right)

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

Custom Length (ft.)

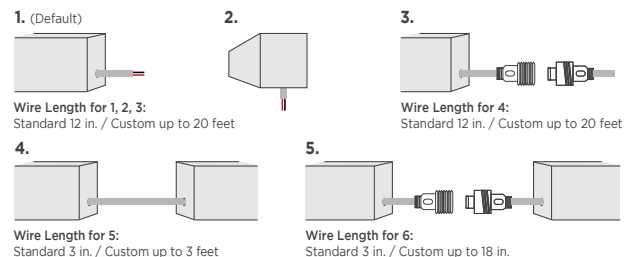
STEP 3 Complete Assembly Option & Length

ASSEMBLY OPTION	LENGTH (Standard factory assembled length up to 6 ft 6.7 in. / 2 m)
FI - Field Assembly	
FA - Factory Assembly*	

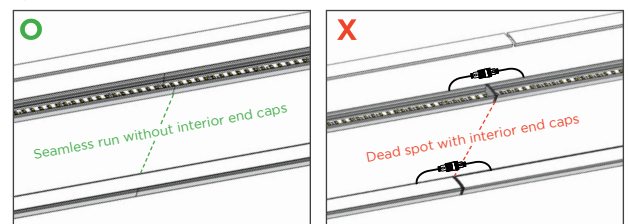
* Factory assembled runs exceeding 6 ft 6.7 in. (2 m) will be split into multiple daisy chained fixtures.

STEP 4 Add Accessories

ACCESSORIES
TILTSTANDST - Tiltable Stand
CHMAG0.5 - Magnetic Mount



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.



FIELD ASSEMBLY EXAMPLE

FACTORY ASSEMBLY EXAMPLE

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattage	Cuttable Length	LED Pitch	CCTs & Colors	lm/W without Lens	Delivered Lumens with Milky Lens		Max Length	Compatible with Channel		
					lm/ft	lm/m		IP20	IP65	IP68
0.75 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	84	48.51	159.39	IP20: 49 ft (15 m) IP65/IP68: 32.8 ft (10 m)	✓	✓	✓
			2000K	99	57.21	187.88				
			2200K	109	62.99	206.36				
			2400K	113	65.3	214.06				
			2700K	123	70.84	233.31				
			3000K	123	70.84	233.31				
			3500K	130	75.46	246.40				
			4000K	134	77.77	254.1				
			6000K	131	75.46	247.94				
1.5 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	84	97.02	318.01	IP20: 49 ft (15 m) IP65/IP68: 32.8 ft (10 m)	✓	✓	✓
			2000K	98	113.19	371.14				
			2200K	109	126.28	412.72				
			2400K	113	130.13	428.12				
			2700K	123	141.68	465.85				
			3000K	123	141.68	465.85				
			3500K	129	148.61	488.95				
			4000K	134	154.77	507.43				
			6000K	131	151.69	496.65				
2.2 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	83	140.91	461.23	IP20: 42 ft (12.8 m) IP65/IP68: 32.8 ft (10 m)	✓	✓	✓
			2000K	96	162.47	533.61				
			2200K	106	179.41	589.05				
			2400K	111	187.88	616.77				
			2700K	120	203.28	666.82				
			3000K	122	206.36	677.6				
			3500K	127	214.83	705.32				
			4000K	133	225.61	739.2				
			6000K	128	216.37	719.18				
3.0 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	84	193.27	633.71	IP20: 36 ft (11 m) IP65/IP68: 32.8 ft (10 m)	✓	✓	✓
			2000K	98	227.15	745.36				
			2200K	108	249.48	818.51				
			2400K	112	258.72	848.54				
			2700K	127	293.37	962.5				
			3000K	133	307.23	1007.93				
			3500K	137	316.47	1037.96				
			4000K	134	309.54	1015.63				
			6000K	132	304.92	1000.23				
4.4 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	81	273.35	896.28	28 ft 4 in. (8.64 m)	✓	✓	✓
			2000K	95	322.63	1059.52				
			2200K	105	356.51	1170.4				
			2400K	109	369.6	1211.21				
			2700K	124	420.42	1378.3				
			3000K	131	443.52	1456.07				
			3500K	133	450.45	1478.4				
			4000K	133	450.45	1478.4				
			6000K	128	433.51	1422.19				
5.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	1800K	83	321.09	1052.59	IP20: 33 ft 4 in. (10.1 m) IP65/IP68: 32.8 ft (10 m)	✓	✓	✓
			2000K	98	375.76	1233.54				
			2200K	107	410.41	1346.73				
			2400K	110	423.5	1389.08				
			2700K	124	477.4	1566.18				
			3000K	134	515.9	1692.46				
			3500K	135	519.75	1704.78				
			4000K	134	515.9	1692.46				
			6000K	130	500.5	1641.64				
6.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	1800K	82	377.3	1237.39	28 ft (8.5 m)	✓	✓	✓
			2000K	95	438.9	1439.9				
			2200K	106	488.18	1601.6				
			2400K	110	508.2	1667.05				
			2700K	122	563.64	1848.77				
			3000K	132	609.84	2000.46				
			3500K	132	609.84	2000.46				
			4000K	130	600.6	1969.66				
			6000K	128	591.36	1939.63				

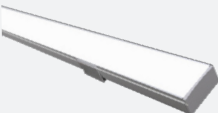
RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattage	Cuttable Length	LED Pitch	CCTs & Colors	lm/W without Lens	Delivered Lumens with Milky Lens		Max Length	Compatible with Channel		
					lm/ft	lm/m		IP20	IP65	IP68
0.75 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	41	23.87	78.54	IP20: 49 ft (15 m)	✓	✓	✓
			Green	175	100.87	331.1	IP65/IP68: 32.8 ft (10 m)			
			Blue	19	10.78	35.42				
			Amber	34	20.02	65.45				
1.5 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	42	48.51	159.08	IP20: 49 ft (15 m)	✓	✓	✓
			Green	160	184.8	606.14	IP65/IP68: 32.8 ft (10 m)			
			Blue	18	20.79	68.22				
			Amber	34	39.27	128.82				
2.2 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	42	70.84	232.39	IP20: 42 ft (12.8 m)	✓	✓	✓
			Green	145	245.63	805.65	IP65/IP68: 32.8 ft (10 m)			
			Blue	18	30.8	101.02				
			Amber	33	56.21	184.34				
3.0 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	40	93.94	308.77	32.8 ft (10 m)	✓	✓	✓
			Green	127	308	1011.78				
			Blue	25	58.52	192.5				
			Amber	29	66.99	218.68				
4.4 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	38	133.21	436.59	29 ft (8.8 m)	✓	✓	✓
			Green	117	411.95	1350.58				
			Blue	24	86.24	284.13				
			Amber	25	84.7	277.97				
5.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	37	143.99	471.24	30 ft (9.14 m)	✓	✓	✓
			Green	116	458.15	1503.04				
			Blue	24	95.48	314.16				
			Amber	26	97.79	319.55				
6.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	37	166.32	545.16	28 ft (8.5 m)	✓	✓	✓
			Green	113	501.27	1645.49				
			Blue	23	109.34	358.05				
			Amber	24	114.73	375.76				
2.4 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	67	123.97	406.56	21.3 ft (6.5 m)	✓	N/A	N/A
			3000K	71	130.9	430.43				
			3500K	83	153.23	503.58				
			4000K	83	153.23	503.58				
3.0 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	66	152.46	500.5	21.3 ft (6.5 m)	✓	N/A	N/A
			3000K	73	168.63	553.63				
			3500K	78	180.18	591.36				
			4000K	83	191.73	629.09				
4.3 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	75	248.71	814.66	24.6 ft (7.5 m)	✓	N/A	N/A
			3000K	78	257.95	847				
			3500K	86	284.9	934.78				
			4000K	86	284.9	934.78				
6.1 Variable White Linea	1.09 in. (27.78 mm)	175 LEDs/ft (576 LEDs/m)	2700K + 6500K	95	338.05	1108.79	16.4 ft (5 m)	✓	N/A	N/A
1.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	77	58.98	193.46	32.8 ft (10 m)	✓	✓	✓
3.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	73	168.25	552	32.8 ft (10 m)	✓	✓	✓
6.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	73	336.8	1104.7	19 ft 8 in. (6 m)	✓	✓	✓

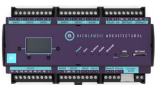
RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattage	Cuttable Length	LED Pitch	CCTs & Colors	lm/W without Lens	Delivered Lumens with Milky Lens		Max Length	Compatible with Channel		
					lm/ft	lm/m		IP20	IP65	IP68
4.4 RGBW Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBW (All on)	66	224.94	737.81	19 ft 8 in. (6 m)	✓	N/A	N/A
4.4 RGBA Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBA (All on)	48	161.01	528.36	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 (All on)	78	330.67	1084.59	19 ft 7.9 in. (6 m)	N/A	✓	✓
5.5 RGBA Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBA (All on)	51	216.12	708.86	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 (All on)	76	511.9	1679.05	16 ft 4 in. (5 m)	✓	N/A	N/A
8.8 RGBA Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBA (All on)	39	264.76	868.41	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 (All on)	58	196.44	644.34	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 (All on)	53	357.77	1173.47	11 ft 6 in. (3.5 m)	✓	N/A	N/A
5.3 Pixel	3.94 in. (100 mm)	18 LEDs/ft (60 LEDs/m)	RGB (All on)	26	105.49	346.5	24 ft 7.2 in. (7.5 m)	✓	N/A	N/A
6.0 RGBW Addressable	3.94 in. (100 mm)	18 LEDs/ft (60 LEDs/m)	RGBW (All on)	39	180.3	591.37	16 ft 5.83 in. (5.025 m)	N/A	N/A	✓ IP67
5.2 Warm Dim	3.94 in. (100 mm)	36 LEDs/ft (120 LEDs/m)	WARM DIM	55	221.76	727.65	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	5.3 Pixel (RGB)	6.0 RGBW Addressable	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 IP68	IP20 IP65 IP68	IP20 IP65 IP68	IP20	IP67	IP20	IP65 IP68	IP20	IP20	IP20	IP20 IP65 IP68	IP20 IP65 IP68
N	N	N	N	N	N	N	N	N	N	N	N

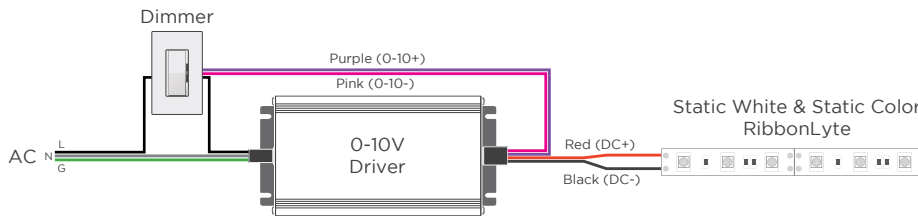
AVAILABLE DRIVERS / CONTROLLERS AND DIMMING OPTIONS / WIRE GAUGE CHART

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 • 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.: 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

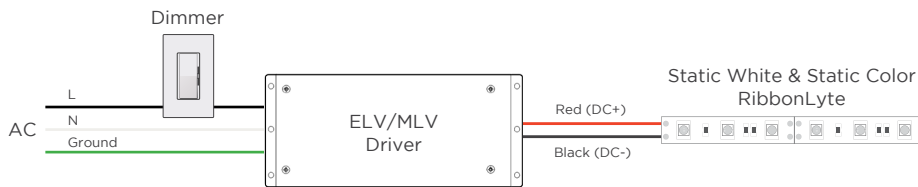
DRIVER AND RIBBONLYTE AT FULL LOAD																
Wattages	30		60		96		150		200		240		300		320	
	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.25 mm ²	14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG / 0.34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

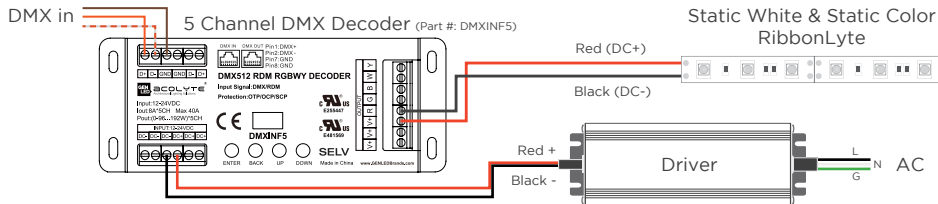
0-10 V



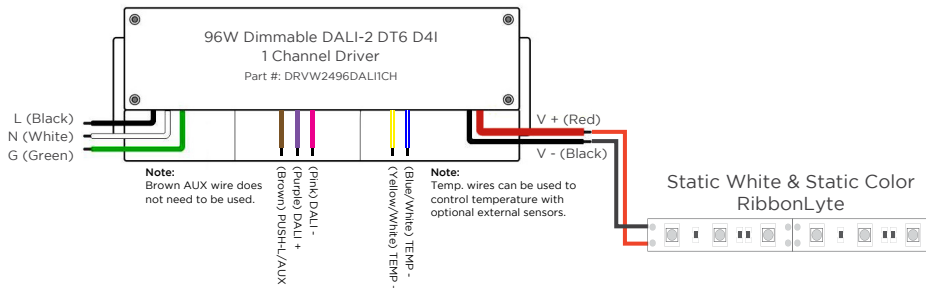
MLV / ELV



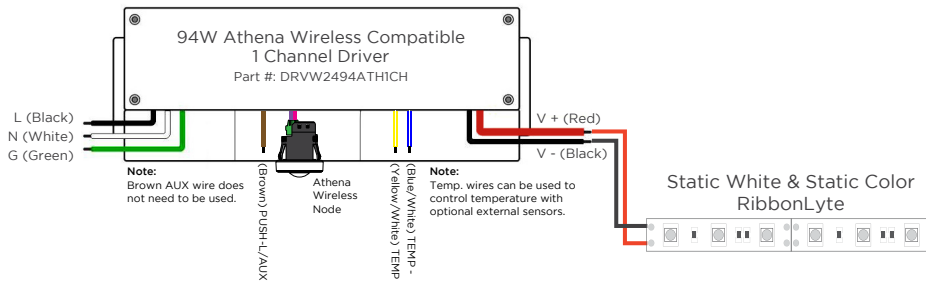
DMX WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



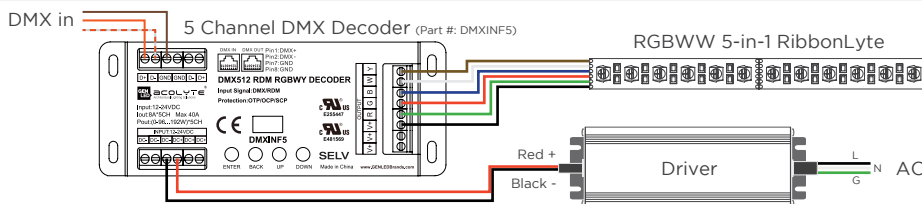
DALI-2 WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



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

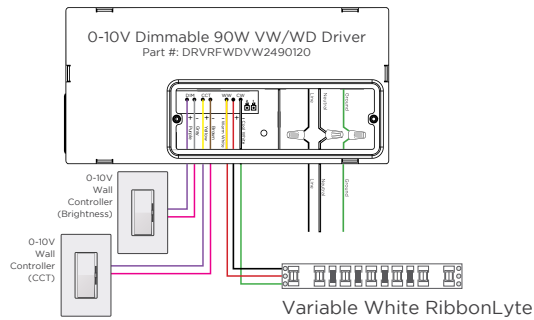
Black Wire (+) Positive
Green Wire (-) goes to Green Channel
Red Wire (-) goes to Red Channel
Blue Wire (-) goes to Blue Channel
White Wire (-) goes to White Channel

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

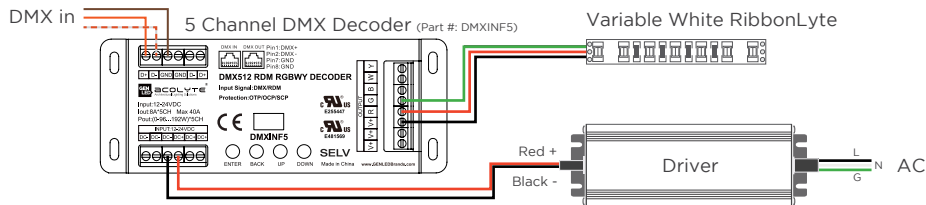


WIRE COLORS PER RIBBONLYTE COLOR

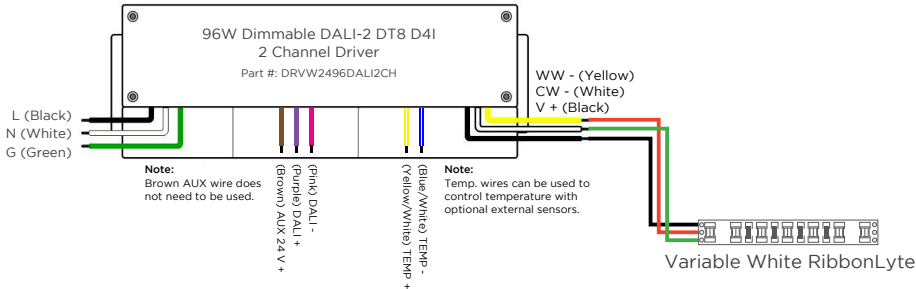
VARIABLE WHITE

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

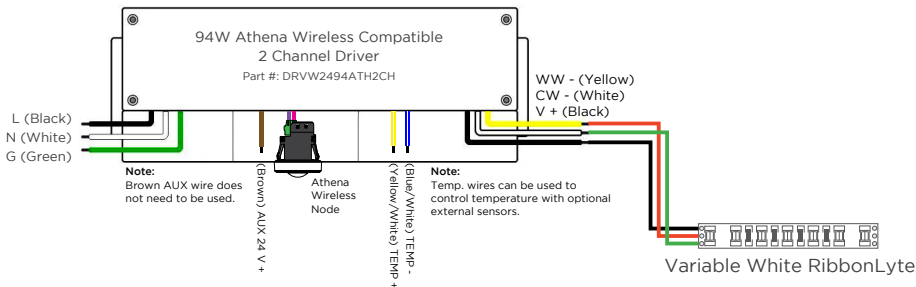
DMX WIRING WITH VARIABLE WHITE RIBBONLYTE



DALI-2 WIRING WITH VARIABLE WHITE RIBBONLYTE



VARIABLE WHITE RIBBONLYTE WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER

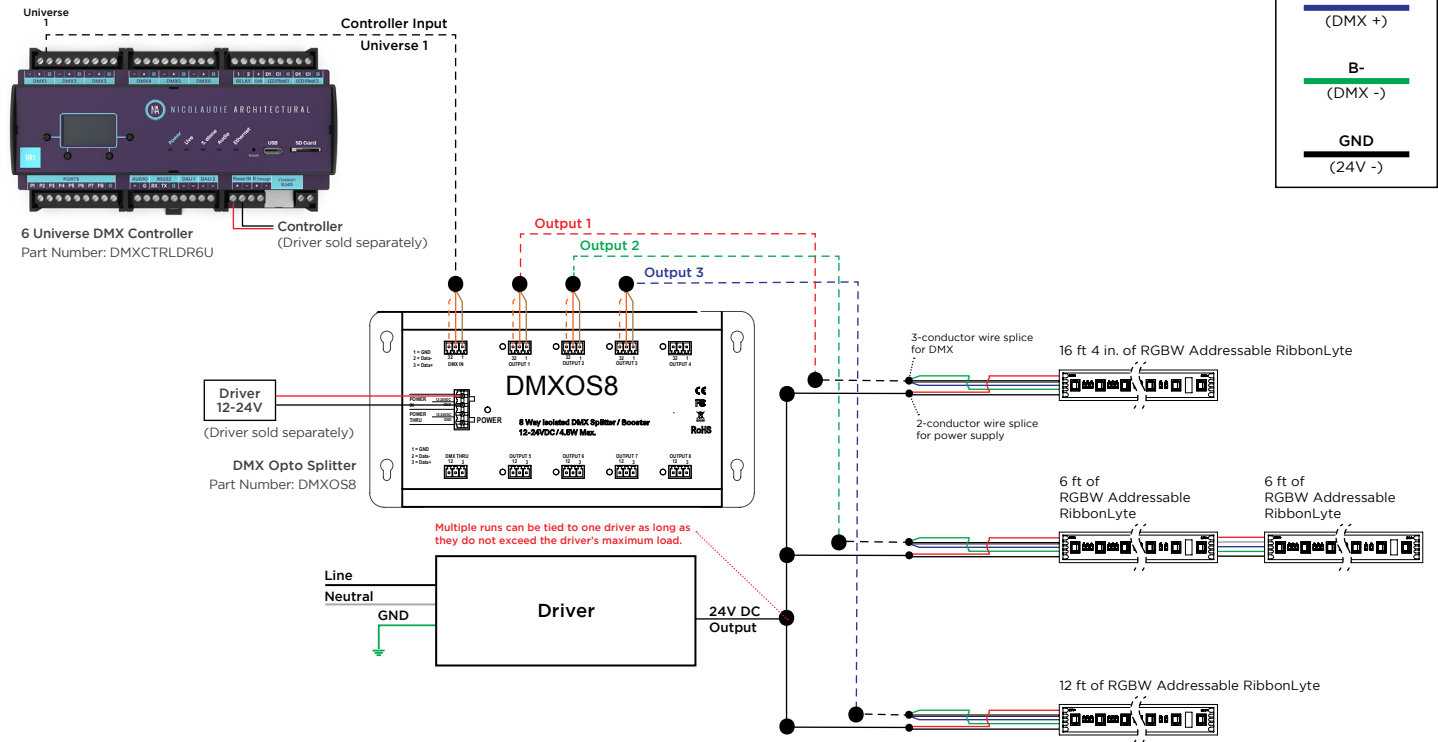


WIRING DIAGRAMS WITH RGBW ADDRESSABLE RIBBONLYTE

One DMX Universe consists of 128 addresses and 512 channels (42 ft, 8 in. of RibbonLyte).

Any single run of RibbonLyte that is less than 16 ft, 4 in. can be wired directly to the controller.

For additional runs, Opto Splitter must be used. Each individual run will need its own Opto Splitter output.



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