GEN LED acolyte® Architectural Lighting Solutions

Date | Project

Notes

AS30 CHANNEL FIXTURE

AS30 is an aluminum channel that mounts flush to the surface. AS30 offers the choice of clear, milky or black flat lens and round or square milky lens. Create a custom fixture with AS30 and our RibbonLyte products.

- Available for field assembly or factory assembly
- 1.31 in. (33.4 mm) wide by 1.17 in. (29.6 mm) deep with milky lens, 1.95 in. (49.5 mm) deep with round milky lens, 2.03 in. (51.6 mm) deep with square milky lens
- Beam angle: 100° with milky lens, 100x140° with round milky lens, 100°x150° with square milky lens
- Wattage range: 0.75 W/ft (2.46 W/m) to 12 W/ft (39.4 W/m)
- Static White delivered lumen range from 44.1 lm/ft (144.7 lm/m) up to 1273 lm/ft (4176 lm/m)



RoHS Declare. TM66 ASSESSED

HOUSING FINISHES



Silver Standard | **Black*** | **White*** | **Custom RAL***

*Additional fee applies

LENS FINISHES



Round Milky Lens**
75% Light Transmission



Square Milky Lens**
75% Light Transmission

** For interior applications only

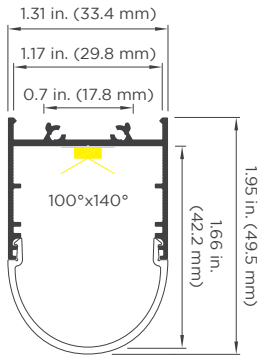
AVAILABLE COLORS & COLOR TEMPERATURES



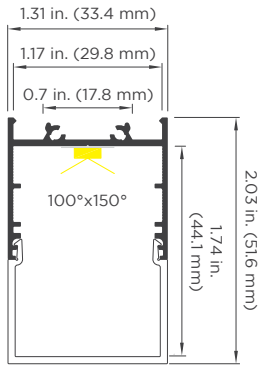
1800K | 2000K | 2200K | 2400K | 2700K | 3000K | 3500K | 4000K | 6000K | VW | WD | Red | Amber | Green | Blue | RGBW | RGBA | RGBWW | RGB | RGBW

DIMENSIONS

AS30 Channel



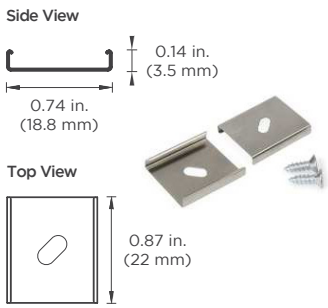
Width: 1.31 in. (33.4 mm)
Height: 1.95 in. (49.5 mm)
Internal Width: 1.17 in. (29.8 mm)
Internal Height: 1.66 in. (42.2 mm)

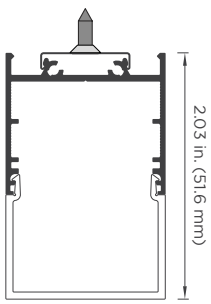


Width: 1.31 in. (33.4 mm)
Height: 2.03 in. (51.6 mm)
Internal Width: 1.17 in. (29.8 mm)
Internal Height: 1.74 in. (44.1 mm)

Mounting Clip (included accessory)

Material: stainless steel





Width: 0.74 in. (18.8 mm)
Length: 0.87 in. (22 mm)

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

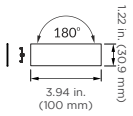
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SPECIFICATIONS

Beam Angle	100x140° with Round Milky Lens, 100x150° with Square Milky Lens
Lens Type	Round Milky Lens, Square Milky 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 / CASAMBI
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 (1800K, 2000K, 2200K, Pixel RGB only available in IP20)
CRI	90+ CRI (for Static White LEDs only)
Lamp Life	L70 at 50,000 hours
MacAdam ellipses (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

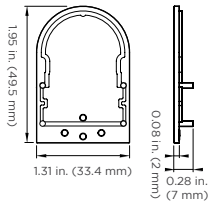
ACCESSORIES (SEE PART NUMBERS AT STEP 4 ON PAGE 3)

180° Coupler



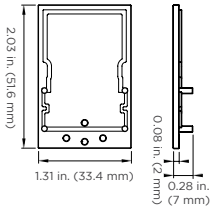
End Cap (D) for channel with Round Lens

Material: ABS

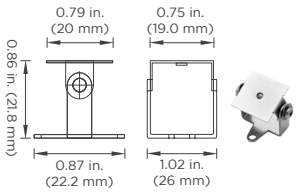


End Cap (E) for channel with Square Lens

Material: ABS



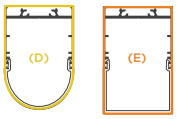
Tiltable Stand



Assembled Height with channel and Round Lens:
2.81 in. (71.3 mm)

Assembled Height with channel and Square Lens:
2.89 in. (73.4 mm)

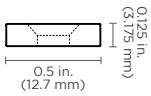
End Cap Options:
2. Use End Cap (D) for channel with Round Milky Lens
3. Use End Cap (E) for channel with Square Milky Lens



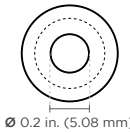
Magnetic Mount



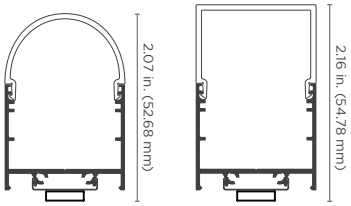
Side View



Top View



Assembled View



Assembled Height with Round Lens: 2.07 in. (52.68 mm)
Assembled Height with Square Lens: 2.16 in. (54.78 mm)

ORDERING GUIDE

STEP 1 Complete Channel Part Number

CHANNEL	LENS		HOUSING COLOR	END CAP
CHAS30				
CHAS30 - AS30 Channel	**C** - Clear Lens	**RM** - Round Milky Lens*	**SV** - Silver	**D** - End Cap for channel with Round Milky Lens
	M - Milky Lens	**SM** - Square Milky Lens*	**BK** - Black**	**E** - End Cap for channel with Square Milky Lens
	BK - Black Lens	* For interior applications only	**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	**SWS220** - Static White Series 2 IP20	**RGBWS220** - RGBW Series 2 IP20	**VWS220** - VW Series 2 IP20
	90 - 90+ CRI Static White	**SWS265** - Static White Series 2 IP65	**RGBWS265** - RGBW Series 2 IP65	**VWS265** - VW Series 2 IP65
		SWS268 - Static White Series 2 IP68	**RGBWS268** - RGBW Series 2 IP68	**VWS268** - VW Series 2 IP68
		SWS269 - Static White Series 2 IP69	**RGBWS269** - RGBW Series 2 IP69	**VWS269** - VW Series 2 IP69
NOTE: To ensure waterproofing standards are met, IP65, IP67, IP68 and IP69 RibbonLyte can NOT be cut in the field.		**SCS220** - Static Color Series 2 IP20	**RGBWW20** - RGBWW 5-in-1 IP20	**WD20** - Warm Dim IP20
		SCS265 - Static Color Series 2 IP65	**RGBWADD** - Addressable RGBW IP67	**WD65** - Warm Dim IP65
		SCS268 - Static Color Series 2 IP68	**RGBADD** - Pixel RGB IP20	**WD68** - Warm Dim IP68
		SCS269 - Static Color Series 2 IP69	**SWDR20** - Static White Double Row IP20	**WD69** - Warm Dim IP69
		LINEA20 - Linea RibbonLyte IP20	**RGBWADR20** - RGBW/A Double Row IP20	
		XACTA20 - Xacta RibbonLyte IP20	**VWDR20** - Variable White Double Row IP20	

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 Linea)
3.0 - 3.0 W/ft (9.8 W/m - Static White, Static Color, Variable White, RGBW, RGBA)
4.3 - 4.3 W/ft (14 W/m - Static White Linea)
4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color, RGBW, RGBWW,, RGBA)
4.5 - 4.5 W/ft (14.8 W/m - Static White, Variable White)
5.0 - 5.0 W/ft (16.4 W/m - Static White, Static Color)
5.2 - 5.2 W/ft (17.1 W/m - Warm Dim)
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, RGBW, RGBA, RGBW Addressable)
6.1 - 6.1 W/ft (20 W/m - Variable White Linea, Pixel RGB)
8.8 - 8.8 W/ft (28.9 W/m - RGBW, RGBWW, RGBA)
12.0 - 12.0 W/ft (39.4 W/m - Static White, Variable White, RGBW, RGBA)

COLOR

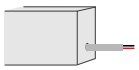
18 - 1800K	**RGB27** - Red, Green, Blue + 2700K
20 - 2000K	**RGB30** - Red, Green, Blue + 3000K
22 - 2200K	**RGB40** - Red, Green, Blue + 4000K
24 - 2400K	**RGB2465** - Red, Green, Blue + 2400K + 6500K
27 - 2700K	**RGBA** - Red, Green, Blue + Amber
30 - 3000K	**RGBW30** - RGB + 3000K Addressable
35 - 3500K	**RGBW40** - RGB + 4000K Addressable
40 - 4000K	**RGBW60** - RGB + 6000K Addressable
60 - 6000K	**RGBS** - Pixel RGB (SPI)
R - Red	**VW** - Variable White (2000K-6500K)
A - Amber	**VW1833** - Variable White 1800K-3300K (IP20 only)
G - Green	**2920** - Warm Dim 2900K-2000K (IP20)
B - Blue	**1830** - Warm Dim 3000K-1800K (IP20)
	2721 - Warm Dim 2700K-2100K (IP65/IP68/IP69)
	Z - Undecided (For quotes only. Must be chosen before final order.)

CONNECTION OPTIONS (See diagrams on the right)

Custom Length (ft.)

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

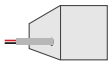
1. (Default)



2.



3.



4.



Wire Length for 1, 2, 3:
Standard 12 in. / Custom up to 20 feet

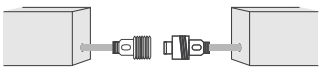
Wire Length for 4:
Standard 12 in. / Custom up to 20 feet

5.



Wire Length for 5:
Standard 3 in. / Custom up to 3 feet

6.



Wire Length for 6:
Standard 3 in. / Custom up to 18 in.

STEP 3 Complete Assembly Option & Length

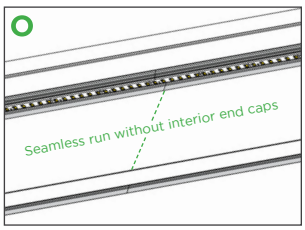
ASSEMBLY OPTION | **LENGTH** (Standard factory assembled length up to 6 ft 6.7 in. / 2 m)

FI - Field Assembly
FA - Factory Assembly* (not recommended for exterior applications)

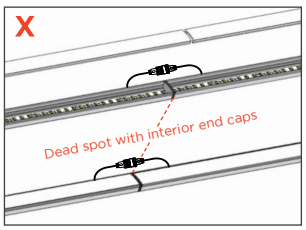
* Factory assembled runs exceeding 6 ft 6.7 in. (2 m) will be split into multiple daisy chained fixtures.

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

STEP 4 Add Accessories

ACCESSORIES

TILTSTANDST - Tiltable Stand
CHMAG0.5 - Magnetic Mount
CHCOUP180AW38SV - 180° Coupler Silver

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattage	Incremental Length	LED Pitch	CCT	Delivered Lumen with Round Milky Lens lm/ft	Delivered Lumen with Round Milky Lens lm/m	Delivered Lumen with Square Milky Lens lm/ft	Delivered Lumen with Square Milky Lens lm/m	Max Length	Compatible with Channel IP20	IP65	IP68	IP69
0.75 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	47	155	47	155	IP20: 49 ft (15 m) IP65/IP68/IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			2000K	56	183	56	183					
			2200K	61	201	61	201					
			2400K	64	209	64	209					
			2700K	69	227	69	227					
			3000K	69	227	69	227					
			3500K	73	240	73	240					
			4000K	75	247	75	247					
			6000K	74	242	74	242					
1.5 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	95	310	95	310	IP20: 49 ft (15 m) IP65/IP68/IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			2000K	110	362	110	362					
			2200K	123	402	123	402					
			2400K	127	417	127	417					
			2700K	138	454	138	454					
			3000K	138	454	138	454					
			3500K	145	476	145	476					
			4000K	151	495	151	495					
			6000K	147	484	147	484					
2.2 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	137	449	137	449	IP20: 42 ft (12.8 m) IP65/IP68/IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			2000K	158	520	158	520					
			2200K	175	574	175	574					
			2400K	183	601	183	601					
			2700K	198	650	198	650					
			3000K	201	660	201	660					
			3500K	210	684	210	684					
			4000K	219	720	219	720					
			6000K	211	693	211	693					
3.0 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	189	620	189	620	IP20: 36 ft (11 m) IP65/IP68/IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			2000K	221	723	221	723					
			2200K	243	797	243	797					
			2400K	247	811	247	811					
			2700K	277	907	277	907					
			3000K	293	960	293	960					
			3500K	299	982	299	982					
			4000K	299	982	299	982					
			6000K	288	945	288	945					
4.4 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	267	877	267	877	28 ft 4 in. (8.64 m)	✓	✓	✓	✓
			2000K	314	1029	314	1029					
			2200K	347	1137	347	1137					
			2400K	360	1180	360	1180					
			2700K	403	1321	403	1321					
			3000K	426	1397	426	1397					
			3500K	436	1429	436	1429					
			4000K	436	1429	436	1429					
			6000K	416	1364	416	1364					
5.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	1800K	311	1021	311	1021	IP20: 33 ft 4 in. (10.1 m) IP65/IP68/IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			2000K	368	1206	368	1206					
			2200K	401	1316	401	1316					
			2400K	412	1351	412	1351					
			2700K	461	1512	461	1512					
			3000K	488	1599	488	1599					
			3500K	499	1636	499	1636					
			4000K	499	1636	499	1636					
			6000K	476	1562	476	1562					
6.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	1800K	369	1211	369	1211	28 ft (8.5 m)	✓	✓	✓	✓
			2000K	428	1403	428	1403					
			2200K	477	1565	477	1565					
			2400K	491	1609	491	1609					
			2700K	549	1801	549	1801					
			3000K	581	1905	581	1905					
			3500K	594	1949	594	1949					
			4000K	594	1949	594	1949					
			6000K	567	1860	567	1860					

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Incremental Length	LED Pitch	Color & CCT	Delivered Lumen with Round Lens lm/ft	Delivered Lumen with Round Lens lm/m	Delivered Lumen with Square Lens lm/ft	Delivered Lumen with Square Lens lm/m	Max Length	Compatible with Channel IP20	IP65	IP68	IP69
3.0 Static White Double Row	0.7 in. (17.9 mm)	136 LEDs/ft (448 LEDs/m)	1800K	158	518	158	518	65 ft 7 in. (20 m)	✓	n/a	n/a	n/a
			2000K	186	612	186	612					
			2200K	204	668	204	668					
			2400K	209	686	209	686					
			2700K	236	774	236	774					
			3000K	255	836	255	836					
			3500K	257	843	257	843					
			4000K	255	836	255	836					
			6000K	247	811	247	811					
6.0 Static White Double Row	0.7 in. (17.9 mm)	136 LEDs/ft (448 LEDs/m)	1800K	316	1036	316	1036	39 ft (12 m)	✓	n/a	n/a	n/a
			2000K	373	1223	373	1223					
			2200K	407	1336	407	1336					
			2400K	418	1373	418	1373					
			2700K	472	1548	472	1548					
			3000K	510	1673	510	1673					
			3500K	514	1685	514	1685					
			4000K	510	1673	510	1673					
			6000K	495	1623	495	1623					
12.0 Static White Double Row	0.7 in. (17.9 mm)	136 LEDs/ft (448 LEDs/m)	1800K	599	1967	599	1967	26 ft 3 in. (8 m)	✓	n/a	n/a	n/a
			2000K	708	2322	708	2322					
			2200K	773	2535	773	2535					
			2400K	794	2606	794	2606					
			2700K	895	2938	895	2938					
			3000K	968	3175	968	3175					
			3500K	975	3199	975	3199					
			4000K	968	3175	968	3175					
			6000K	939	3080	939	3080					
0.75 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	23	76	23	76	IP20: 49 ft (15 m) IP65/IP68/IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			Green	98	323	98	323					
			Blue	11	35	11	35					
			Amber	19	63	19	63					
1.5 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	47	155	47	155	IP20: 49 ft (15 m) IP65/IP68/IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			Green	180	591	180	591					
			Blue	20	66	20	66					
			Amber	38	125	38	125					
2.2 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	69	277	69	277	IP20: 42 ft (12.8 m) IP65/IP68/IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			Green	239	785	239	785					
			Blue	30	97	30	97					
			Amber	56	184	56	184					
3.0 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	90	295	90	295	32.8 ft (10 m)	✓	✓	✓	✓
			Green	286	937	286	937					
			Blue	56	185	56	185					
			Amber	65	214	65	214					
4.4 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	125	411	125	411	29 ft (8.8 m)	✓	✓	✓	✓
			Green	386	1267	386	1267					
			Blue	79	260	79	260					
			Amber	83	271	83	271					
5.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	139	455	139	455	30 ft (9.14 m)	✓	✓	✓	✓
			Green	435	1427	435	1427					
			Blue	90	295	90	295					
			Amber	98	320	98	320					
6.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	167	546	167	546	28 ft (8.5 m)	✓	✓	✓	✓
			Green	509	1668	509	1668					
			Blue	104	340	104	340					
			Amber	108	354	108	354					

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Incremental Length	LED Pitch	Color Temp.	Delivered Lumen with Round Lens lm/ft	Delivered Lumen with Round Lens lm/m	Delivered Lumen with Square Lens lm/ft	Delivered Lumen with Square Lens lm/m	Max Length	Compatible with Channel IP20	IP65	IP68	IP69
2.4 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	120.8	396	120.8	396	21.3 ft (6.5 m)	✓	n/a	n/a	n/a
			3000K	127.5	419.3	127.5	419.3					
			3500K	149.3	490.5	149.3	490.5					
			4000K	149.3	490.5	149.3	490.5					
3.0 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	148.5	487.5	148.5	487.5	21.3 ft (6.5 m)	✓	n/a	n/a	n/a
			3000K	164.3	539.3	164.3	539.3					
			3500K	175.5	576	175.5	576					
			4000K	186.8	612.8	186.8	612.8					
4.3 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	242.3	793.5	242.3	793.5	24.6 ft (7.5 m)	✓	n/a	n/a	n/a
			3000K	251.3	825	251.3	825					
			3500K	277.5	910.5	277.5	910.5					
			4000K	277.5	910.5	277.5	910.5					
6.1 Variable White Linea	1.09 in. (27.78 mm)	175 LEDs/ft (576 LEDs/m)	2700K + 6500K	435	1427.3	435	1427.3	16.4 ft (5 m)	✓	n/a	n/a	n/a
1.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	63.8	209	63.8	209	32.8 ft (10 m)	✓	✓	✓	✓
3.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	180	591	180	591	32.8 ft (10 m)	✓	✓	✓	✓
6.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	337.5	1107	337.5	1107	19 ft 8 in. (6 m)	✓	✓	✓	✓
1.5 Static White Xacta	0.2 in. (5 mm)	61 LEDs/ft (200 LEDs/m)	1800K	89.9	294.8	89.9	294.8	32.74 ft (9.98 m)	✓	n/a	n/a	n/a
			2000K	106.1	347.9	106.1	347.9					
			2200K	116.4	381.7	116.4	381.7					
			2400K	120.8	396.2	120.8	396.2					
			2700K	137	449.4	137	449.4					
			3000K	142.9	468.7	142.9	468.7					
			3500K	147.3	483.2	147.3	483.2					
			4000K	144.4	473.6	144.4	473.6					
			6000K	141.4	463.9	141.4	463.9					
3.0 Static White Xacta	0.2 in. (5 mm)	61 LEDs/ft (200 LEDs/m)	1800K	160	524.9	160	524.9	23.62 ft (7.2 m)	✓	n/a	n/a	n/a
			2000K	188.8	619.6	188.8	619.6					
			2200K	207.2	679.8	207.2	679.8					
			2400K	215.1	705.7	215.1	705.7					
			2700K	243.9	800.3	243.9	800.3					
			3000K	254.4	834.7	254.4	834.7					
			3500K	262.3	860.6	262.3	860.6					
			4000K	257	843.3	257	843.3					
			6000K	251.8	826.1	251.8	826.1					
4.5 Static White Xacta	0.2 in. (5 mm)	61 LEDs/ft (200 LEDs/m)	1800K	244.3	801.4	244.3	801.4	19.03 ft (5.8 m)	✓	n/a	n/a	n/a
			2000K	288.3	945.9	288.3	945.9					
			2200K	316.3	1037.8	316.3	1037.8					
			2400K	328.3	1077.2	328.3	1077.2					
			2700K	372.4	1221.7	372.4	1221.7					
			3000K	388.4	1274.3	388.4	1274.3					
			3500K	400.4	1313.7	400.4	1313.7					
			4000K	392.4	1287.4	392.4	1287.4					
			6000K	384.4	1261.2	384.4	1261.2					
1.5 Variable White Xacta	0.2 in. (5 mm)	122 LEDs/ft (400 LEDs/m)	2400K + 6000K	154.1	505.7	154.1	505.7	32.15 ft (9.8 m)	✓	n/a	n/a	n/a
3.0 Variable White Xacta	0.2 in. (5 mm)	122 LEDs/ft (400 LEDs/m)	2400K + 6000K	302.6	992.7	302.6	992.7	22.31 ft (6.8 m)	✓	n/a	n/a	n/a
4.5 Variable White Xacta	0.2 in. (5 mm)	122 LEDs/ft (400 LEDs/m)	2400K + 6000K	427.4	1402.0	427.4	1402.0	19.03 ft (5.8 m)	✓	n/a	n/a	n/a

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Incremental Length	LED Pitch	Color Temp.	Delivered Lumen				Max Length	Compatible with Channel			
				with Round Lens		with Square Lens						
				lm/ft	lm/m	lm/ft	lm/m		IP20	IP65	IP68	IP69
3.0 Variable White Double Row	1.97 in. (50 mm)	84 LEDs/ft (280 LEDs/m)	2000K + 6500K	240	788	240	788	65 ft 7 in. (20 m)	✓	n/a	n/a	n/a
6.0 Variable White Double Row	1.97 in. (50 mm)	84 LEDs/ft (280 LEDs/m)	2000K + 6500K	453	1485	453	1485	45 ft 11 in. (14 m)	✓	n/a	n/a	n/a
12.0 Variable White Double Row	1.97 in. (50 mm)	84 LEDs/ft (280 LEDs/m)	2000K + 6500K	784	2572	784	2572	22 ft 11 in. (7 m)	✓	n/a	n/a	n/a
4.4 RGBW Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBW	148.5	487.2	148.5	487.2	19 ft 8 in. (6 m)	✓	n/a	n/a	n/a
5.5 RGBW Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBW	243.3	798.5	243.3	798.5	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	402.6	1320.9	402.6	1320.9	16 ft 4 in. (5 m)	✓	n/a	n/a	n/a
3.0 RGBW Double Row	1.3 in. (33 mm)	72 LEDs/ft (240 LEDs/m)	RGBW	205	672	205	672	26 ft 3 in. (8 m)	✓	n/a	n/a	n/a
3.0 RGBA Double Row	1.3 in. (33 mm)	72 LEDs/ft (240 LEDs/m)	RGBA	205	672	205	672	26 ft 3 in. (8 m)	✓	n/a	n/a	n/a
6.0 RGBW Double Row	1.3 in. (33 mm)	72 LEDs/ft (240 LEDs/m)	RGBW	410	1344	410	1344	22 ft 11 in. (7 m)	✓	n/a	n/a	n/a
6.0 RGBA Double Row	1.3 in. (33 mm)	72 LEDs/ft (240 LEDs/m)	RGBA	410	1344	410	1344	22 ft 11 in. (7 m)	✓	n/a	n/a	n/a
12.0 RGBW Double Row	1.3 in. (33 mm)	72 LEDs/ft (240 LEDs/m)	RGBW	711	2333	711	2333	14 ft 9 in. (4.5 m)	✓	n/a	n/a	n/a
12.0 RGBA Double Row	1.3 in. (33 mm)	72 LEDs/ft (240 LEDs/m)	RGBA	711	2333	711	2333	14 ft 9 in. (4.5 m)	✓	n/a	n/a	n/a
4.4 5-in-1 RGBWW	2.46 in. (62.5 mm)	29 LED/ft (96 LED/m)	RGBWW	181.7	596.2	181.7	596.2	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	308	1010.5	308	1010.5	11 ft 6 in (3.5 m)	✓	n/a	n/a	n/a
6.1 Pixel RGB	3.94 in. (100 mm)	18 LEDs/ft (60 LEDs/m)	RGB (all on)	93.38	306	93.38	306	24 ft 7.2 in. (7.5 m)	✓	n/a	n/a	n/a
RGBW Addressable	3.94 in. (100 mm)	18 LEDs/ft (60 LEDs/m)	Red	25.1	82.5	25.1	82.5	16 ft 5.64 in. (5.02 m)	n/a	n/a	✓ IP67	n/a
			Green	61.5	201.8	61.5	201.8					
			Blue	11.6	38.1	11.6	38.1					
			White	77.3	253.5	77.3	253.5					
			All	181.6	595.8	181.6	595.8					
5.2 Warm Dim	3.94 in. (100 mm)	36 LEDs/ft (120 LEDs/m)	WARM DIM	214.5	704	214.5	704	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 Series 2 0.75/1.5/2.2/3.0/4.4/5.0/6.0	Static White & Static Color Xacta 1.5/3.0/4.5	Static White Double Row 3.0/6.0/12.0	RGBW Series 2 4.4	RGBW Series 2 5.5	RGBW Series 2 8.8	RGBW/A Double Row 3.0/6.0/12.0	5-in-1 RGBWW 4.4/8.8	Warm Dim 5.2	Variable White Series 2 1.0/3.0/6.0	Variable White Double Row 3.0/6.0/12.0	Pixel RGB 6.1	RGBW Addressable 6.0
IP20/IP65/IP68/IP69	IP20	IP20	IP20	IP65/IP68/IP69	IP20	IP20	IP20	IP20/IP65/IP68/IP69	IP20/IP65/IP68/IP69	IP20	IP20	IP67
N	N	N	N	N	N	N	N	N	N	N	N	N

AVAILABLE DRIVERS / CONTROLLERS AND DIMMING OPTIONS / WIRE GAUGE CHART

0-10V/ELV/MLV 3-IN-1



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

ELV



60W Dimmable Driver

Part No.:
- DRVW2460ELV

24 VDC
100-130 VAC
Fits in single-gang switch boxes
IP20, dry locations
UL Recognized

0-10V VW/WD



0-10V Dimmable 96W VW/WD Driver

Part No.:
- DRVW2496VWWD

24 VDC
100-277 VAC
UL wet-rated, dry/damp/wet locations
UL Listed

COMPACT



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

ATHENA WIRELESS COMPATIBLE



94W Athena Wireless Compatible Drivers

Part No.:
- DRVW2494ATH1CH (1 channel)
- DRVW2494ATH2CH (2 channel)

24 VDC
100-277 VAC
Dry locations
UL Listed

CASAMBI COMPATIBLE DRIVERS



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

DIMMABLE DALI-2 DRIVERS



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

DIMMABLE DALI-2 DRIVERS



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.:
- AWCRGBWWBK
- 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



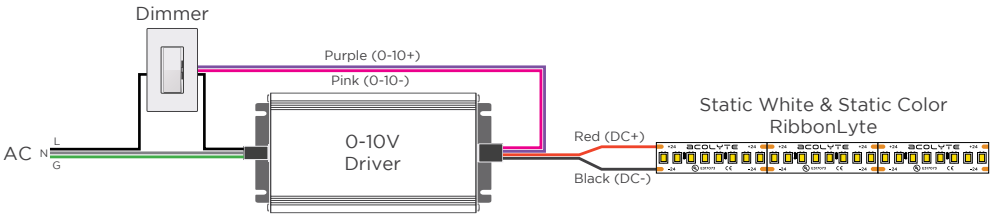
DMX OPTO SPLITTER
Part No.: DMXOS8

DRIVER AND RIBBONLYTE AT FULL LOAD

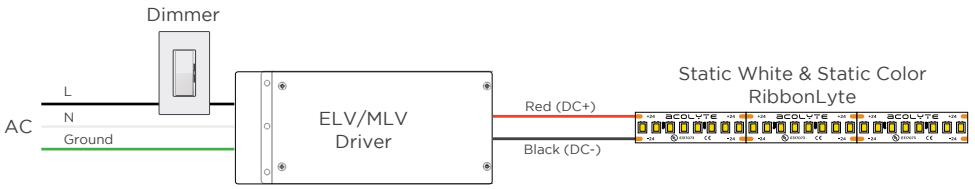
Wattages	30		60		96		150		200		240		300		320	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.25 mm²	14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG / 0.34 mm²	22	6.71	14	4.27	9	2.74	5.75	1.75	4.5	1.37	3.5	1.07	2.75	0.84	2.75	0.84
20 AWG / 0.5 mm²	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 mm²	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 mm²	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 mm²	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 mm²	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 mm²	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 mm²	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

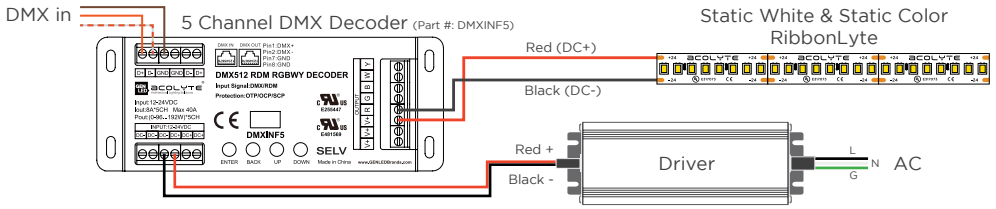
0-10 V



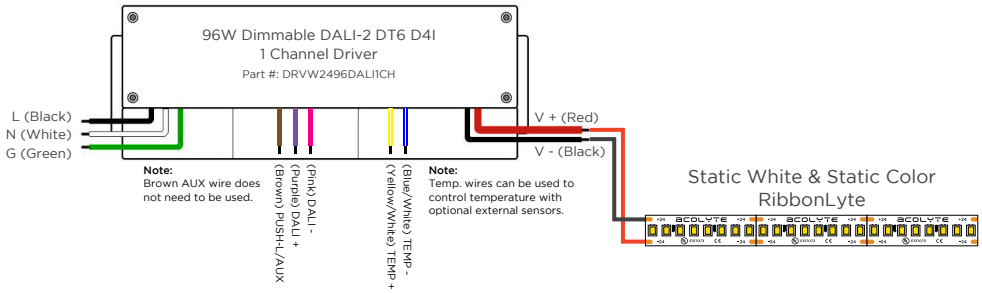
MLV / ELV



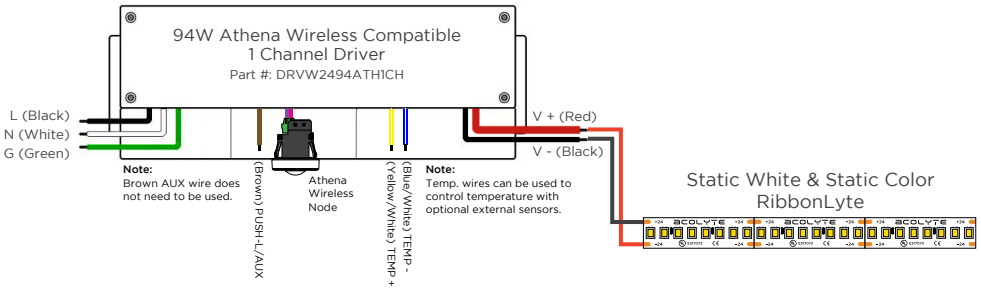
DMX WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



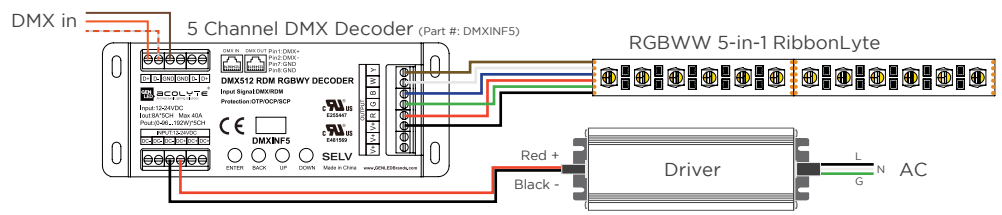
DALI-2 WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



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



DMX WITH RGBWW 5-IN-1 RIBBONLYTE



WIRE COLORS

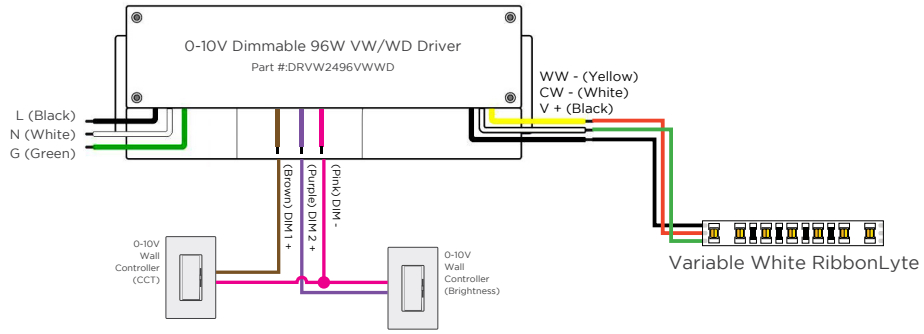
STATIC WHITE + STATIC COLOR
Red Wire (+) Positive
Black Wire (-) Negative

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

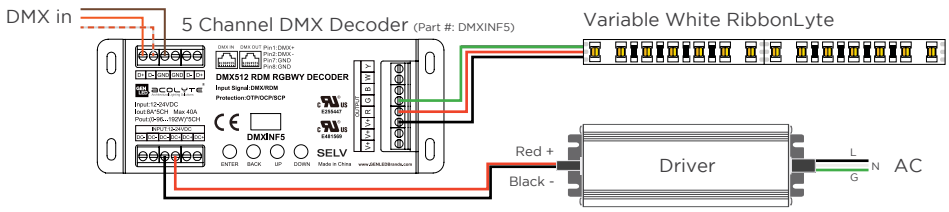
RGBWW
Black (+) Positive
Green Wire (-) goes to Green Channel
Red Wire (-) goes to Red Channel
Blue Wire (-) goes to Blue Channel
White Wire (-) goes to White Channel 1
Brown Wire (-) goes to White Channel 2

WIRING DIAGRAMS - VARIABLE WHITE

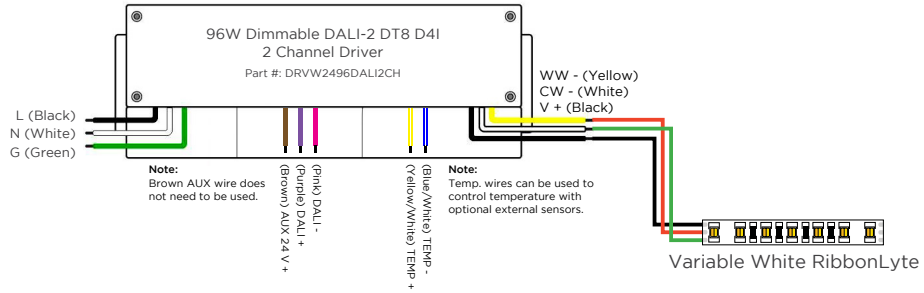
2-CHANNEL VARIABLE WHITE DIMMING



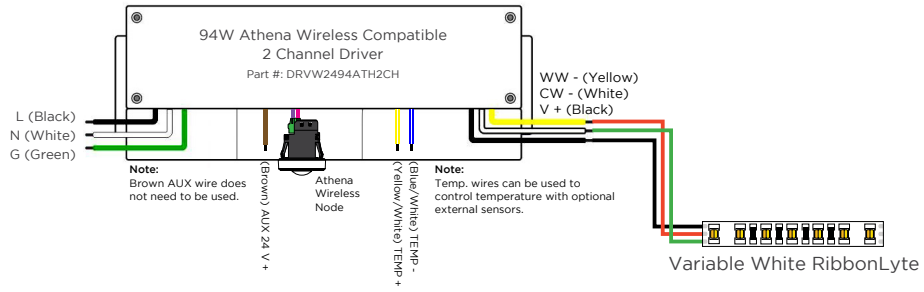
DMX WIRING WITH VARIABLE WHITE RIBBONLYTE



DALI-2 WIRING WITH VARIABLE WHITE RIBBONLYTE



VARIABLE WHITE RIBBONLYTE WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER



WIRE COLORS

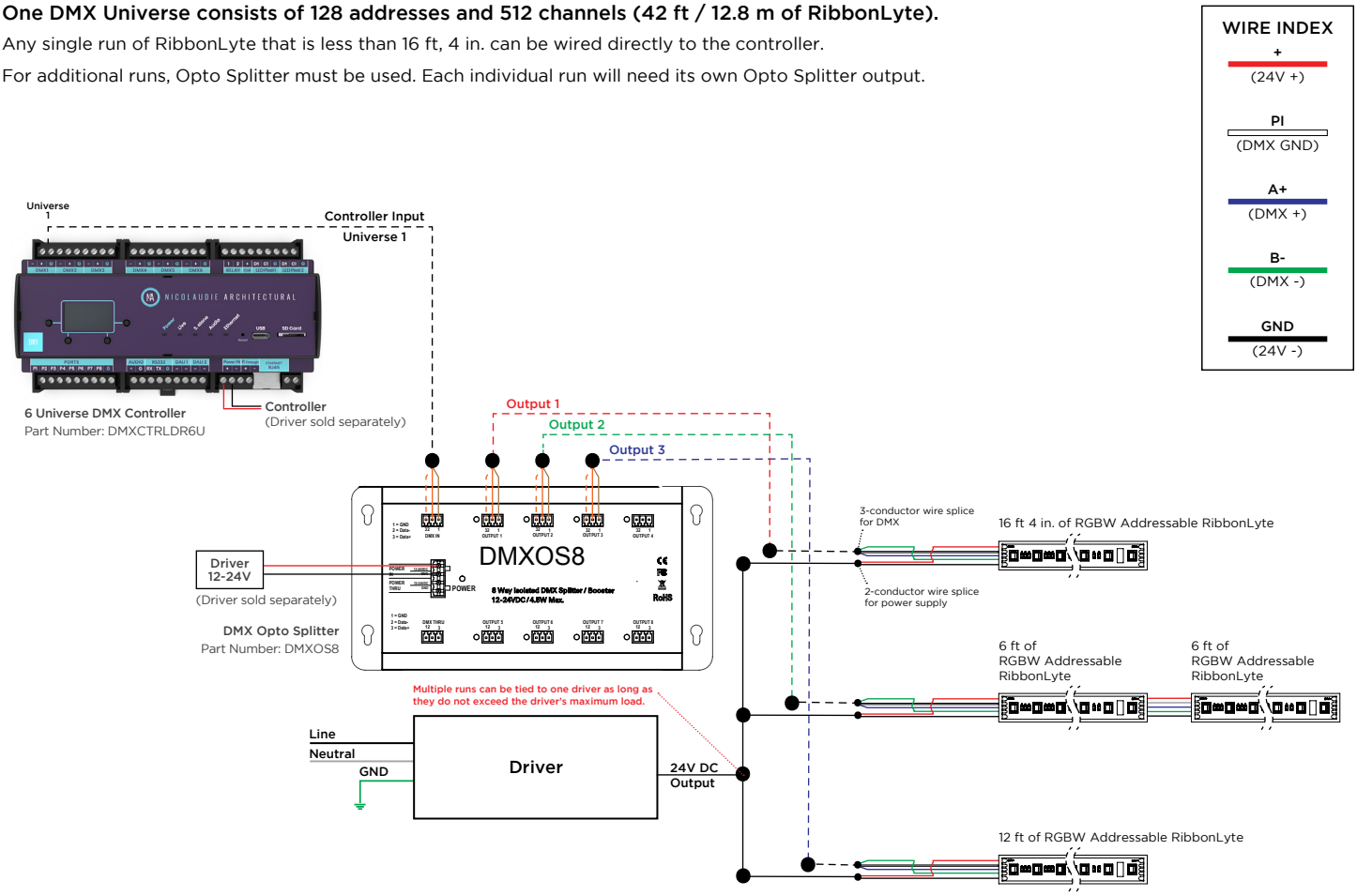
VARIABLE WHITE
Black Wire (+) Positive
Red Wire (-) goes to Warm White Channel
Green Wire (-) goes to Cool White Channel

WIRING DIAGRAMS WITH RGBW ADDRESSABLE RIBBONLYTE

One DMX Universe consists of 128 addresses and 512 channels (42 ft / 12.8 m 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.



REV.05NOV2026

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