GEN LED acolyte® Architectural Lighting Solutions

Date | Project

Notes

AS10 CHANNEL FIXTURE

AS10 Channel is a surface mounted aluminum extrusion that offers clear or milky lens options. With a beam angle of 110 degrees, AS10 Channel fits RibbonLyte strips with a maximum width up to 0.39 in. (10 mm).

- Available for field assembly or factory assembly
- 0.47 in. (12 mm) wide by 0.47 in. (12 mm) deep
- Beam angle 110°
- Wattage Range from 0.75 W/ft (2.46 W/m) to 4.4 W/ft (14.4 W/m)
- Static White delivered lumen range from 47 lm/ft (155 lm/m) up to 540 lm/ft (1772 lm/m)
- Clear or Milky Lens
- Continuous run length for Milky Lens is up to 66 ft (20 m)



RoHS Declare. TM66 ASSESSED

HOUSING FINISHES



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

*Additional fee applies

LENS FINISHES



Clear Lens
93% Light Transmission

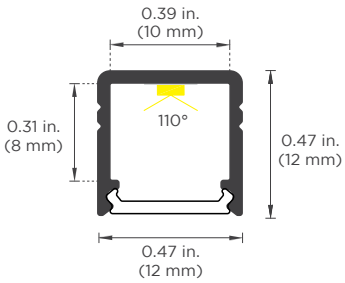
Milky Lens
75% Light Transmission
Continuous run length up to 66 ft (20 m)

AVAILABLE COLORS & COLOR TEMPERATURES

1800K | 2000K | 2200K | 2400K | 2700K | 3000K | 3500K | 4000K | 6000K | Red | Amber | Green | Blue | Violet | VW

DIMENSIONS

AS10 Channel

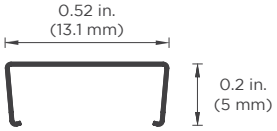


Width: 0.47 in. (12 mm)
Height: 0.47 in. (12 mm)
Internal Width: 0.39 in. (10 mm)
Internal Height: 0.31 in. (8 mm)

Mounting Clip (included accessory)

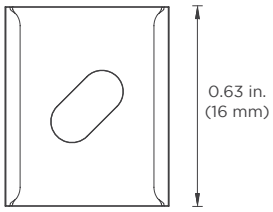
Material: stainless steel

Side View



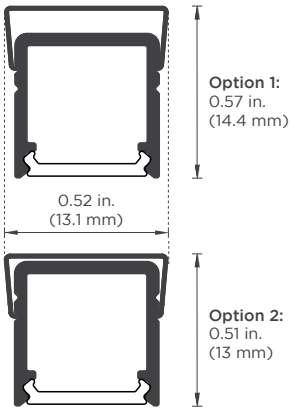
Width: 0.52 in. (13.1 mm)
Length: 0.63 in. (16 mm)

Top View





Assembled View



Width: 0.52 in. (13.1 mm)
Height (option 1): 0.57 in. (14.4 mm)
Height (option 2): 0.51 in. (13 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.

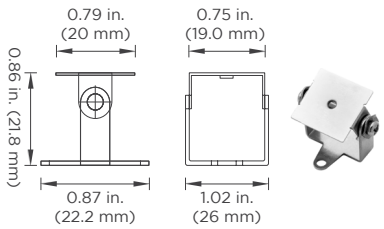
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SPECIFICATIONS

Beam Angle	110°
Lens Type	Clear Lens, Milky Lens (continuous run length for Milky Lens is up to 66 ft / 20 m)
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 / CASAMBI
Operating Temperature	-40 — 158 °F (-40 — 70 °C)
Colors	1800K, 2000K, 2200K, 2400K, 2700K, 3000K, 3500K, 4000K, 6000K, Red, Amber, Green, Blue, Violet, VW (1800K, 2000K, 2200K only available in IP20)
CRI	90+ CRI (for Static White LEDs only)
Lamp Life	L70 at 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

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

Tiltable Stand

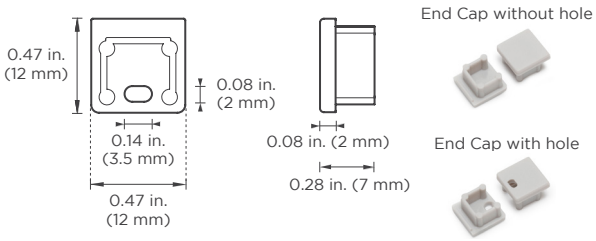


Assembled Height with Channel (Option 1): 1.43 in. (36.2 mm)

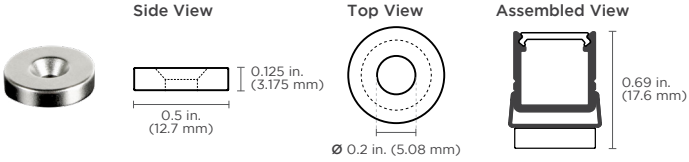
Assembled Height with Channel (Option 2): 1.37 in. (34.8 mm)

End Caps

Material: ABS



Magnetic Mount (Part #: CHMAG0.5)



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

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ORDERING GUIDE

STEP 1 Complete Channel Part Number

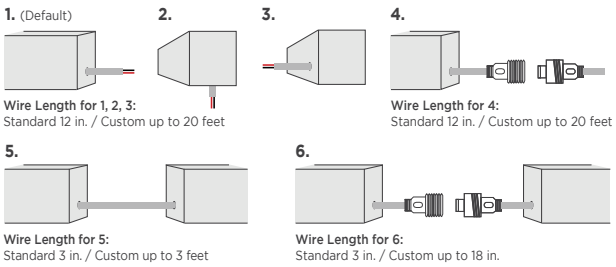
CHANNEL	LENS		HOUSING COLOR	
CHAS10				
CHAS10 - AS10 Channel	**C** - Clear Lens	**M** - Milky Lens*	**SV** - Silver	**WH** - White**
	* Continuous run length for Milky Lens is up to 66 ft (20 m)		**BK** - Black**	** Additional fee applies Consult factory for custom colors

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	**SCS220** - Static Color Series 2 IP20	**VWS220** - VW Series 2 IP20
	90 - 90+ CRI Static White	**SWS265** - Static White Series 2 IP65	**SCS265** - Static Color Series 2 IP65	**VWS265** - VW Series 2 IP65
NOTE: To ensure waterproofing standards are met, IP65 RibbonLyte can NOT be cut in the field.		**SWMC20** - Static White Micro IP20	**SCMC20** - Static Color Micro IP20	**LINEA20** - Linea RibbonLyte IP20
		SWMC65 - Static White Micro IP65	**SCMC65** - Static Color Micro IP65	**XACTA20** - Xacta RibbonLyte IP20
		SWMC69 - Static White Micro IP69	**SCMC69** - Static Color Micro IP69	

WATTAGE	COLOR	
0.75 - 0.75 W/ft (2.46 W/m - Static White, Static Color)	**18** - 1800K	**R** - Red
1.0 - 1.0 W/ft (3.3 W/m - Static White, Static Color, Variable White)	**20** - 2000K	**A** - Amber
1.5 - 1.5 W/ft (4.9 W/m - Static White, Static Color, Variable White)	**22** - 2200K	**G** - Green
2.2 - 2.2 W/ft (7.2 W/m - Static White, Static Color)	**24** - 2400K	**B** - Blue
2.4 - 2.4 W/ft (8 W/m - Static White Linea)	**27** - 2700K	**V** - Violet
3.0 - 3.0 W/ft (9.8 W/m - Static White, Static Color, Variable White)	**30** - 3000K	**VW** - Variable White 2000K-6500K
4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color)	**35** - 3500K	**VW1833** - Variable White 1800K-3300K (IP20)
4.5 - 4.5 W/ft (14.8 W/m - Static White, Static Color Variable White)	**40** - 4000K	**Z** - Undecided (For quotes only. Must be chosen before final order.)
6.0 - 6.0 W/ft (19.7 W/m - Variable White)	**60** - 6000K	

CONNECTION OPTIONS (See diagrams on the right)		Custom Length (ft.)
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	



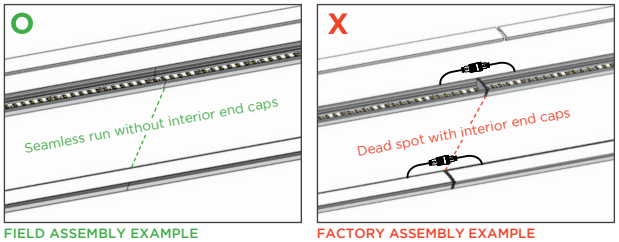
STEP 3 Complete Assembly Option & Length

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

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Incremental Length	LED Pitch	Colors & CCTs	Delivered Lumens with Clear Lens		Delivered Lumens with Milky Lens		Max Length	Compatible with Channel			
				lm/ft	lm/m	lm/ft	lm/m		IP20	IP65	IP68	IP69
0.75 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	59	192	47	155	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓		
			2000K	69	227	56	183					
			2200K	76	249	61	201					
			2400K	79	259	64	209					
			2700K	86	281	69	227					
			3000K	86	281	69	227					
			3500K	91	297	73	240					
			4000K	93	307	75	247					
			6000K	91	300	74	242					
1.5 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	117	384	95	310	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓		
			2000K	137	449	110	362					
			2200K	152	499	123	402					
			2400K	158	517	127	417					
			2700K	172	563	138	454					
			3000K	172	563	138	454					
			3500K	180	590	145	476					
			4000K	187	613	151	495					
			6000K	183	600	147	484					
2.2 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	169.8	557	136.96	449	IP20: 42 ft (12.8 m) IP65: 32.8 ft (10 m)	✓	✓		
			2000K	196.4	644	158.4	520					
			2200K	216.9	712	174.9	574					
			2400K	227.1	745	183.15	601					
			2700K	245.5	806	198	650					
			3000K	249.6	819	201.3	660					
			3500K	259.8	852	209.55	687					
			4000K	272.1	893	219.45	720					
			6000K	261.9	859	211.2	693					
3.0 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	234	769	189	620	IP20: 36 ft (11 m) IP65: 32.8 ft (10 m)	✓	✓		
			2000K	273	897	221	723					
			2200K	301	989	243	797					
			2400K	306	1005	247	811					
			2700K	343	1125	277	907					
			3000K	363	1190	293	960					
			3500K	371	1217	299	982					
			4000K	371	1217	299	982					
			6000K	357	1172	288	945					
4.4 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	331	1087	267	877	28 ft 4 in. (8.64 m)	✓	✓		
			2000K	389	1275	314	1029					
			2200K	430	1410	347	1137					
			2400K	446	1463	360	1180					
			2700K	499	1638	403	1321					
			3000K	528	1732	426	1397					
			3500K	540	1772	436	1429					
			4000K	540	1772	436	1429					
			6000K	516	1692	416	1364					
0.75 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	29	94	23	76	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓		
			Green	122	400	98	323					
			Blue	13.3	43	10.69	35					
			Amber	24	78	19	63					

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Cuttable Length	LED Pitch	Colors & CCTs	Delivered Lumens with Clear Lens lm/ft	Delivered Lumens with Clear Lens lm/m	Delivered Lumens with Milky Lens lm/ft	Delivered Lumens with Milky Lens lm/m	Max Length	Compatible with Channel IP20	IP65	IP68	IP69
1.5 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	59	192	47	155	IP20: 49 ft (15 m) IP65: 32.8 ft (10 m)	✓	✓		
			Green	223	732	180	591					
			Blue	25	82	20	66					
			Amber	47	156	38	125					
2.2 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	86	282	69	277	IP20: 42 ft (12.8 m) IP65: 32.8 ft (10 m)	✓	✓		
			Green	297	973	239	785					
			Blue	37	121	30	97					
			Amber	70	228	56	184					
3.0 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	112	366	90	295	32.8 ft (10 m)	✓	✓		
			Green	354	1162	286	937					
			Blue	70	229	56	185					
			Amber	81	265	65	214					
4.4 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	155	510	125	411	29 ft (8.8 m)	✓	✓		
			Green	479	1571	386	1267					
			Blue	98	322	79	260					
			Amber	102	336	83	271					
1.0 Static White Micro	1.97 in. (50 mm)	43 LEDs/ft (140 LEDs/m)	1800K	71	232	57	187	28 ft (8.5 m)	✓	✓		✓
			2000K	83	271	67	219					
			2200K	86	281	69	226					
			2400K	92	302	74	244					
			2700K	97	317	78	256					
			3000K	100	326	80	263					
			3500K	101	332	82	268					
			4000K	110	360	89	290					
			6000K	107	351	86	283					
3.0 Static White Micro	1.97 in. (50 mm)	43 LEDs/ft (140 LEDs/m)	1800K	204	668	164	539	28 ft (8.5 m)	✓	✓		✓
			2000K	237	778	191	627					
			2200K	248	814	200	657					
			2400K	265	869	214	701					
			2700K	279	915	225	738					
			3000K	290	952	234	768					
			3500K	299	979	241	790					
			4000K	318	1043	257	841					
			6000K	307	1007	248	812					
4.5 Static White Micro	1.97 in. (50 mm)	43 LEDs/ft (140 LEDs/m)	1800K	298	976	240	787	28 ft (8.5 m)	✓	✓		✓
			2000K	348	1141	281	920					
			2200K	365	1196	294	964					
			2400K	385	1263	311	1018					
			2700K	406	1333	328	1075					
			3000K	427	1400	344	1129					
			3500K	432	1415	348	1141					
			4000K	465	1525	375	1230					
			6000K	452	1482	365	1196					
2.4 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	149.7	491	120.8	396	21.3 ft (6.5 m)	✓	n/a	n/a	n/a
			3000K	158.1	519.9	127.5	419.3					
			3500K	185.1	608.2	149.3	490.5					
			4000K	185.1	608.2	149.3	490.5					
3.0 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	184.1	604.5	148.5	487.5	21.3 ft (6.5 m)	✓	n/a	n/a	n/a
			3000K	203.7	668.7	164.3	539.3					
			3500K	217.6	714.2	175.5	576					
			4000K	231.6	759.8	186.8	612.8					
4.3 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	300.4	983.9	242.3	793.5	24.6 ft (7.5 m)		n/a	n/a	n/a
			3000K	311.6	1023	251.3	825					
			3500K	344.1	1128	277.5	910.5					
			4000K	344.1	1128	277.5	910.5					
6.1 Variable White Linea	1.09 in. (27.78 mm)	175 LEDs/ft (576 LEDs/m)	2700K + 6500K	539.4	1769.8	435	1427	16.4 ft (5 m)		n/a	n/a	n/a

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Cuttable Length	LED Pitch	Colors & CCTs	Delivered Lumens with Clear Lens lm/ft	Delivered Lumens with Clear Lens lm/m	Delivered Lumens with Milky Lens lm/ft	Delivered Lumens with Milky Lens lm/m	Max Length	Compatible with Channel IP20	IP65	IP68	IP69
1.5 Static White Xacta	0.2 in. (5 mm)	61 LEDs/ft (200 LEDs/m)	1800K	110.2	361.6	83.9	275.1	32.74 ft (9.98 m)	✓	n/a	n/a	n/a
			2000K	130.1	426.8	99	324.7					
			2200K	142.7	468.3	108.6	356.3					
			2400K	148.2	486.1	112.7	369.8					
			2700K	168	551.3	127.9	419.4					
			3000K	175.3	575	133.4	437.5					
			3500K	180.7	592.8	137.5	451					
			4000K	177.1	580.9	134.7	442					
			6000K	173.5	569	132	433					
3.0 Static White Xacta	0.2 in. (5 mm)	61 LEDs/ft (200 LEDs/m)	1800K	196.3	643.9	149.3	489.9	23.62 ft (7.2 m)	✓	n/a	n/a	n/a
			2000K	231.6	760	176.2	578.3					
			2200K	254.2	833.9	193.4	634.5					
			2400K	263.8	865.6	200.7	658.6					
			2700K	299.2	981.7	227.7	747					
			3000K	312.1	1023.9	237.4	779.1					
			3500K	321.7	1055.6	244.8	803.2					
			4000K	315.3	1034.5	239.9	787.1					
			6000K	308.9	1013.4	235	771.1					
4.5 Static White Xacta	0.2 in. (5 mm)	61 LEDs/ft (200 LEDs/m)	1800K	299.6	983	228	747.9	19.03 ft (5.8 m)	✓	n/a	n/a	n/a
			2000K	353.7	1160.3	269.1	882.8					
			2200K	388	1273.1	295.2	968.6					
			2400K	402.8	1321.4	306.5	1005.4					
			2700K	456.8	1498.7	347.6	1140.3					
			3000K	476.5	1563.1	362.5	1189.3					
			3500K	491.2	1611.5	373.7	1226.1					
			4000K	481.4	1579.2	366.3	1201.6					
			6000K	471.5	1547	358.8	1177.1					
1.5 Variable White Xacta	0.2 in. (5 mm)	122 LEDs/ft (400 LEDs/m)	2400K + 6000K	189.1	620.4	143.9	472	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	371.1	1217.7	282.4	926.5	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	524.2	1719.8	398.9	1308.5	19.03 ft (5.8 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	79	259	64	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	223	732	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	419	1373	337.5	1107	19 ft 8 in. (6 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 and Static Color Series 2	Static White and Static Color Micro	Static White and Variable White Xacta	Variable White Series 2
0.75/1.5/2.2/3.0/4.4	**1.0/3.0/4.5**	**1.5/3.0/4.5**	**1.0/3.0/6.0**
IP20/IP65	IP20/IP65/IP69	IP20/IP65	IP20/IP65
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



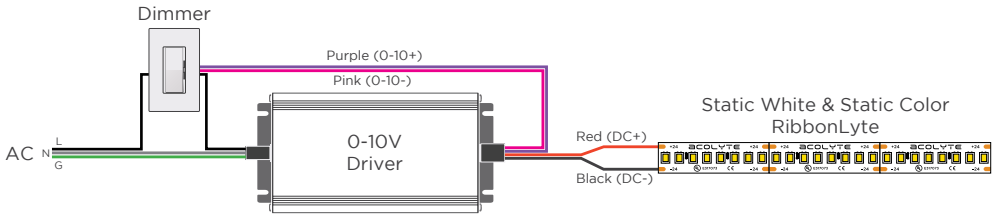
DMX OPTO SPLITTER
Part No.: DMXOS8

DRIVER AND RIBBONLYTE AT FULL LOAD

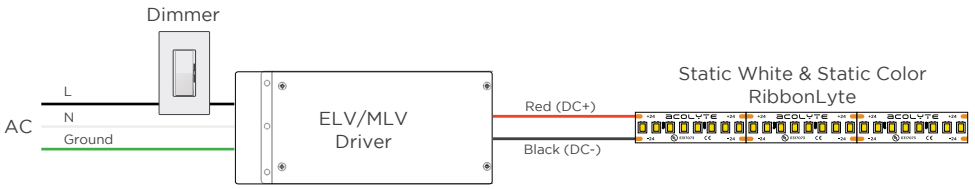
Wattages	30		60		96		150		200		240		300		320	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.25 mm²	14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG / 0.34 mm²	22	6.71	14	4.27	9	2.74	5.75	1.75	4.5	1.37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

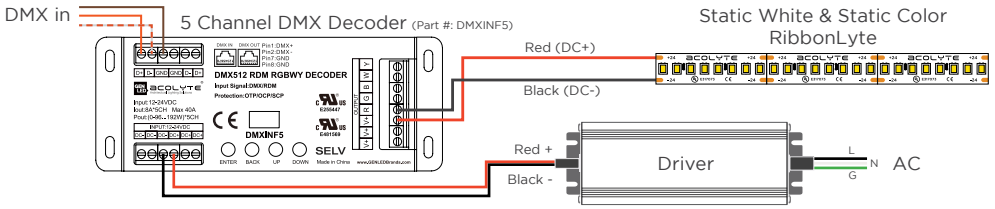
0-10 V



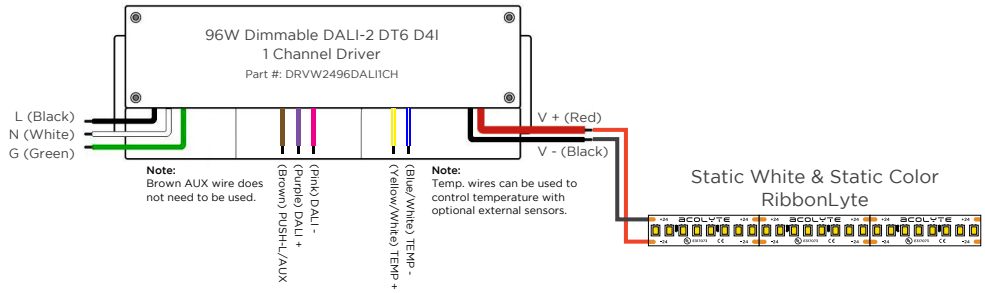
MLV / ELV



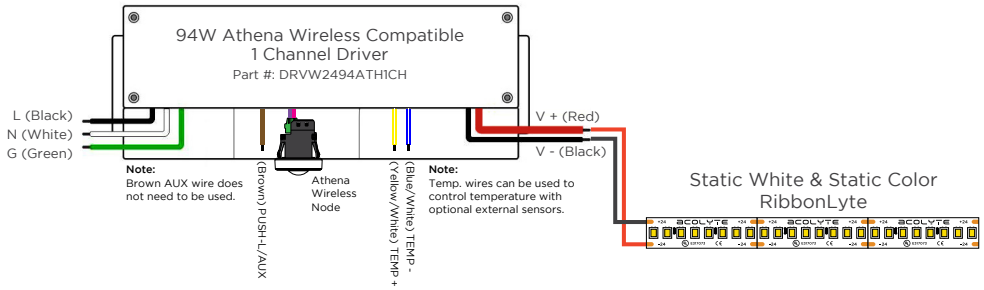
DMX WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



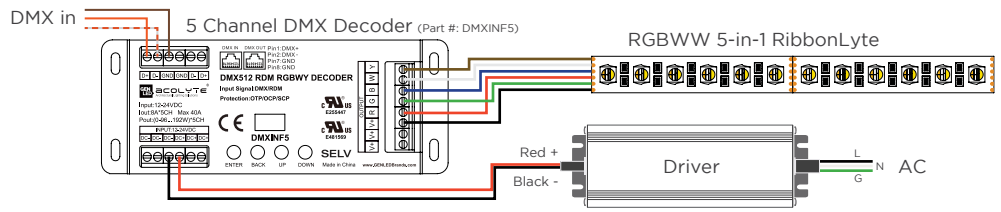
DALI-2 WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



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



DMX WITH RGBWW 5-IN-1 RIBBONLYTE



WIRE COLORS

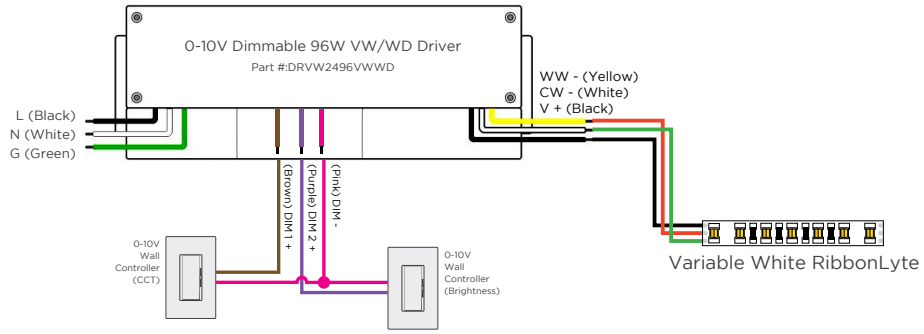
STATIC WHITE + STATIC COLOR
Red Wire (+) Positive
Black Wire (-) Negative

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

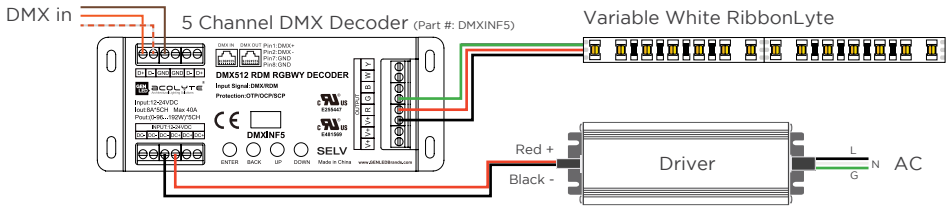
RGBWW
Black (+) Positive
Green Wire (-) goes to Green Channel
Red Wire (-) goes to Red Channel
Blue Wire (-) goes to Blue Channel
White Wire (-) goes to White Channel 1
Brown Wire (-) goes to White Channel 2

WIRING DIAGRAMS - VARIABLE WHITE

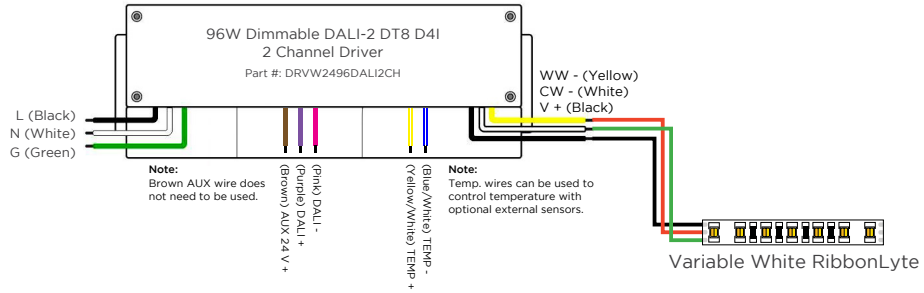
2-CHANNEL VARIABLE WHITE DIMMING



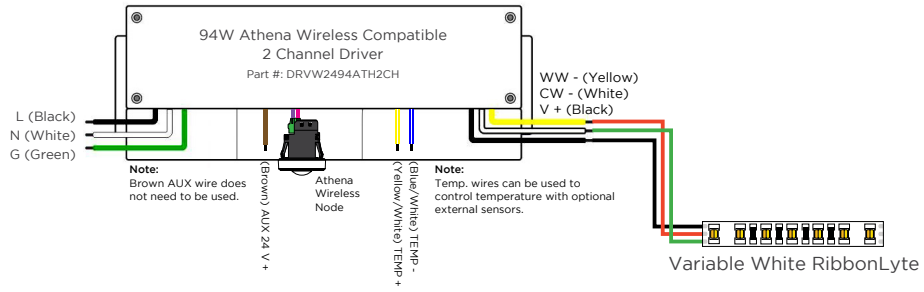
DMX WIRING WITH VARIABLE WHITE RIBBONLYTE



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

REV.04NOV2026

GLOBAL HQ
320 Murray Hill Pkwy
East Rutherford, NJ 07073
U.S.
T: (+1) 212 629 6830
E: Sales-US@GENLEDBrands.com

EUROPEAN HQ
Hogeweyselaan 119
1382 JK Weesp
Netherlands
T: (+31) 346 235 000
E: SalesEurope@GENLEDBrands.com

MEINA HQ
PO Box 371378, #823, Building 4EA
Dubai Airport Free Zone
Dubai, UAE
T: (+971) 4 701 7901
E: SalesMEINA@genledbrands.com

ASIA-PACIFIC HQ
Room 402, Building D
Shenshi Tongchuang Science and Technology Park
No. 16 Hongyin Road
Xingqiang Community, Xinhu Street
Guangming District, Shenzhen, China 518107
T: (+86) 755 8529 0710
E: Sales-Pacific@GENLEDBrands.com