GEN LED acolyte® Architectural Lighting Solutions

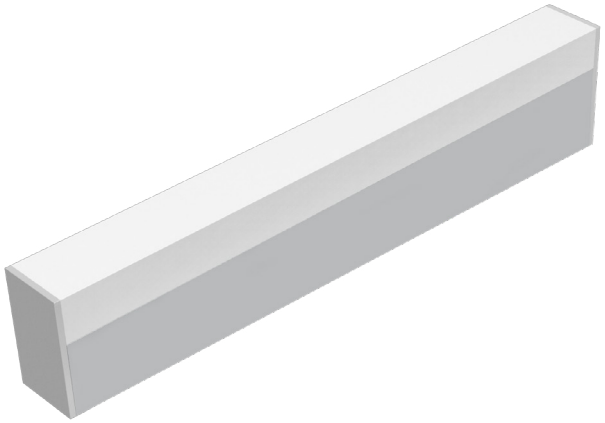
Date | Project

Notes

AS23 CHANNEL FIXTURE

AS23 is a surface mounted aluminum channel that features a unique raised milky square lens. AS23 channel features a 100x150° beam angle and holds RibbonLyte with a maximum width of up to 0.79 in. (20 mm). Hidden mounting clips provide flush installation.

- Available for field assembly or factory assembly
- 1.59 in. (40.5 mm) deep with Square Milky Lens
- 100x150° beam angle
- Wattage range: 0.75 W/ft (2.46 W/m) to 8.8 W/ft (28.9 W/m)
- Static White delivered lumen range from 44 lm/ft (145 lm/m) up to 737 lm/ft (2417 lm/m)
- 180° coupler available
- For interior applications only



UL | CE | RoHS | Declare. | TM66 ASSESSED

HOUSING FINISHES



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

*Additional fee applies

LENS FINISH



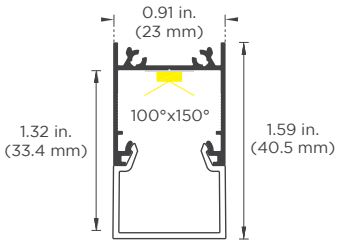
Square Milky Lens**
70% Light Transmission
** For interior applications only

AVAILABLE COLORS & COLOR TEMPERATURES



DIMENSIONS

AS23 Channel

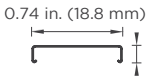


Width: 0.91 in. (23 mm)
Height: 1.59 in. (40.5 mm)
Internal Width: 0.83 in. (21 mm)
Internal Height: 1.32 in. (33.4 mm)

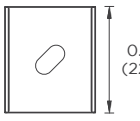
Mounting Clip (included accessory)

Material: stainless steel

Side View



Top View

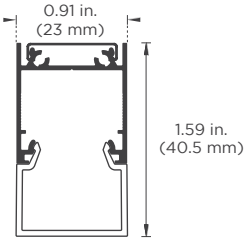




Width: 0.74 in. (18.8 mm)
Length: 0.87 in. (22 mm)

Note:
Magnetic mounting option available (see page 2)

Assembled View



Width: 0.91 in. (23 mm)
Height: 1.59 in. (40.5 mm)

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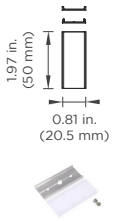
SPECIFICATIONS

Beam Angle	100°x150°
Lens Type	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, 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 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)

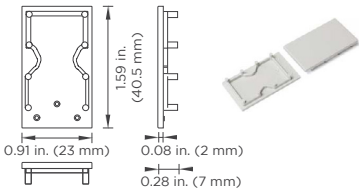
180° Coupler

Material: ABS



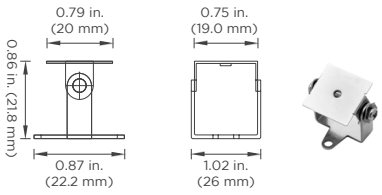
End Cap
for channel with Square Milky Lens

Material: ABS



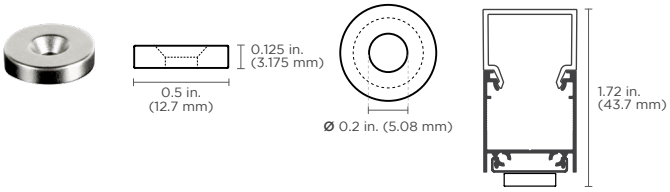
Tiltable Stand

Material: Stainless steel



Assembled Heights: 2.45 in. (62.3 mm)

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

GEN LED acolyte® Architectural Lighting Solutions

ORDERING GUIDE

STEP 1 Complete Channel Part Number

CHANNEL	LENS	HOUSING COLOR	END CAP
CHAS23	SM		C
CHAS23 - AS23 Channel	**SM** - Square Milky Lens*	**SV** - Silver **WH** - White**	**C** - End Cap for channel with Square Milky Lens
	* For interior applications only	**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	**RGBWS220** - RGBW Series 2 IP20	**RGBWW20** - RGBWW 5-in-1 IP20
	90 - 90+ CRI Static White	**SWS265** - Static White Series 2 IP65	**RGBWS265** - RGBW Series 2 IP65	**RGBWADD** - Addressable RGBW IP67
		SWS268 - Static White Series 2 IP68	**RGBWS268** - RGBW Series 2 IP68	**RGBADD** - Pixel RGB IP20
		SWS269 - Static White Series 2 IP69	**RGBWS269** - RGBW Series 2 IP69	**WD20** - Warm Dim IP20
NOTE: To ensure waterproofing standards are met, IP65/IP68/IP69 RibbonLyte can NOT be cut in the field.		**SCS220** - Static Color Series 2 IP20	**VWS220** - VW Series 2 IP20	**WD65** - Warm Dim IP65
		SCS265 - Static Color Series 2 IP65	**VWS265** - VW Series 2 IP65	**WD68** - Warm Dim IP68
		SCS268 - Static Color Series 2 IP68	**VWS268** - VW Series 2 IP68	**WD69** - Warm Dim IP69
		SCS269- - Static Color Series 2 IP69	**VWS269** - VW Series 2 IP69	**XACTA20** - Xacta RibbonLyte IP20
				LINEA20 - Linea RibbonLyte IP20

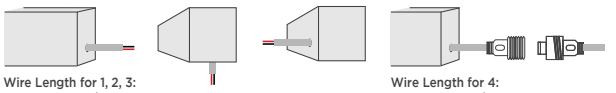
WATTAGE	COLOR	
0.75 - 0.75 W/ft (2.46 W/m - Static White, Static Color)	**18** - 1800K	**VW** - Variable White 2000K-6500K
1.0 - 1.0 W/ft (3.3 W/m - Variable White)	**20** - 2000K	**VW1833** - Variable White 1800K-3300K (IP20)
1.5 - 1.5 W/ft (4.9 W/m - Static White, Static Color, Variable White)	**22** - 2200K	**RGB27** - Red, Green, Blue + 2700K
2.2 - 2.2 W/ft (7.2 W/m - Static White, Static Color)	**24** - 2400K	**RGB30** - Red, Green, Blue + 3000K
2.4 - 2.4 W/ft (8 W/m - Static White Linea)	**27** - 2700K	**RGB40** - Red, Green, Blue + 4000K
3.0 - 3.0 W/ft (9.8 W/m - Static White, Static Color, Variable White)	**30** - 3000K	**RGB2465** - Red, Green, Blue + 2400K + 6500K
4.3 - 4.3 W/ft (14 W/m - Static White Linea)	**35** - 3500K	**RGBA** - Red, Green, Blue + Amber
4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color, RGBW, RGBWW, RGBA)	**40** - 4000K	**RGBW30** - RGB + 3000K Addressable
4.5 - 4.5 W/ft (14.8 W/m - Static White, Variable White)	**60** - 6000K	**RGBW40** - RGB + 4000K Addressable
5.0 - 5.0 W/ft (16.4 W/m - Static White, Static Color)	**R** - Red	**RGBW60** - RGB + 6000K Addressable
5.2 - 5.2 W/ft (17.1 W/m - Warm Dim)	**A** - Amber	**RGBS** - Pixel RGB (SPI)
5.5 - 5.5 W/ft (18.0 W/m - RGBW, RGBA)	**G** - Green	**2920** - Warm Dim 2900K-2000K (IP20)
6.0 - 6.0 W/ft (19.7 W/m - Static White, Static Color, Variable White, RGBW Addressable)	**B** - Blue	**1830** - Warm Dim 3000K-1800K (IP20)
6.1 - 6.1 W/ft (20 W/m - Variable White Linea, Pixel RGB)		**2721** - Warm Dim 2700K-2100K (IP65/IP68/IP69)
8.8 - 8.8 W/ft (28.9 W/m - RGBW, RGBWW)		**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. **6.**



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

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)

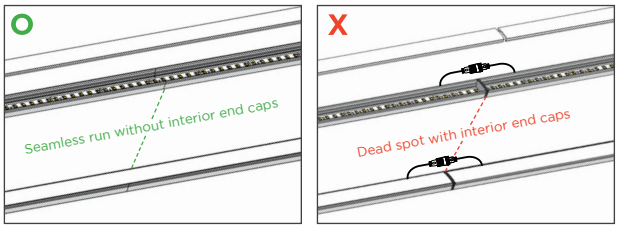
FI - Field Assembly

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

CHCOUP180AS23SV - 180° Coupler Silver
CHMAG0.5 - Magnetic Mount
TILTSTANDST - Tiltable Stand

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattage	Incremental Length	LED Pitch	Color Temperature	Delivered Lumens with Square Milky Lens		Max Length	Compatible with Channel			
				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	44	145	IP20: 49 ft (15 m) IP65/IP68/IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			2000K	52	171					
			2200K	57	188					
			2400K	59	195					
			2700K	65	212					
			3000K	65	212					
			3500K	68	224					
			4000K	70	231					
			6000K	69	226					
1.5 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	88	289	IP20: 49 ft (15 m) IP65/IP68/IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			2000K	103	338					
			2200K	114	375					
			2400K	119	389					
			2700K	129	424					
			3000K	129	424					
			3500K	135	444					
			4000K	141	462					
			6000K	138	451					
2.2 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	128	419	IP20: 42 ft (12.8 m) IP65/IP68: 32.8 ft (10 m)	✓	✓	✓	✓
			2000K	148	485					
			2200K	163	536					
			2400K	171	561					
			2700K	185	606					
			3000K	188	616					
			3500K	196	642					
			4000K	205	672					
			6000K	197	647					
3.0 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	176	579	IP20: 36 ft (11 m) IP65/IP68/IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			2000K	206	675					
			2200K	227	744					
			2400K	231	756					
			2700K	258	847					
			3000K	273	896					
			3500K	279	916					
			4000K	279	916					
			6000K	269	882					
4.4 Static White Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	1800K	249	818	28 ft 4 in. (8.64 m)	✓	✓	✓	✓
			2000K	293	960					
			2200K	323	1061					
			2400K	336	1101					
			2700K	376	1233					
			3000K	397	1304					
			3500K	407	1334					
			4000K	407	1334					
			6000K	388	1273					
5.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	1800K	291	953	IP20: 33 ft 4 in. (10.1 m) IP65/IP68/IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			2000K	343	1125					
			2200K	375	1229					
			2400K	384	1261					
			2700K	430	1411					
			3000K	455	1493					
			3500K	466	1527					
			4000K	466	1527					
			6000K	445	1458					
6.0 Static White Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	1800K	344	1130	28 ft (8.5 m)	✓	✓	✓	✓
			2000K	399	1309					
			2200K	445	1461					
			2400K	458	1502					
			2700K	512	1681					
			3000K	542	1778					
			3500K	554	1819					
			4000K	554	1819					
			6000K	529	1736					

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Incremental Length	LED Pitch	Color Temperature	Delivered Lumens with Square Milky Lens		Max Length	Compatible with Channel			
				lm/ft	lm/m		IP20	IP65	IP68	IP69
0.75 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	22	71	IP20: 49 ft (15 m) IP65/IP68/IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			Green	92	301					
			Blue	10	33					
			Amber	18	59					
1.5 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	44	145	IP20: 49 ft (15 m) IP65/IP68/IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			Green	168	551					
			Blue	19	62					
			Amber	36	117					
2.2 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	65	212	IP20: 42 ft (12.8 m) IP65/IP68/IP69: 32.8 ft (10 m)	✓	✓	✓	✓
			Green	223	733					
			Blue	28	91					
			Amber	52	172					
3.0 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	84	276	32.8 ft (10 m)	✓	✓	✓	✓
			Green	267	875					
			Blue	53	172					
			Amber	61	200					
4.4 Static Color Series 2	1.97 in. (50 mm)	48 LEDs/ft (160 LEDs/m)	Red	117	384	29 ft (8.8 m)	✓	✓	✓	✓
			Green	360	1182					
			Blue	74	243					
			Amber	77	253					
5.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	130	425	30 ft (9.14 m)	✓	✓	✓	✓
			Green	406	1332					
			Blue	84	276					
			Amber	91	299					
6.0 Static Color Series 2	1.4 in. (35.7 mm)	68 LEDs/ft (224 LEDs/m)	Red	155	510	28 ft (8.5 m)	✓	✓	✓	✓
			Green	475	1557					
			Blue	97	317					
			Amber	101	331					
2.4 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	112.7	369.6	21.3 ft (6.5 m)	✓	n/a	n/a	n/a
			3000K	119	391.3					
			3500K	139.3	457.8					
			4000K	139.3	457.8					
3.0 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	138.6	455	21.3 ft (6.5 m)	✓	n/a	n/a	n/a
			3000K	153.3	503.3					
			3500K	163.8	537.6					
			4000K	174.3	571.9					
4.3 Static White Linea	1.97 in. (50 mm)	146 LEDs/ft (480 LEDs/m)	2700K	226.1	740.6	24.6 ft (7.5 m)	✓	n/a	n/a	n/a
			3000K	234.5	770					
			3500K	259	849.8					
			4000K	259	849.8					
6.1 Variable White Linea	1.09 in. (27.78 mm)	175 LEDs/ft (576 LEDs/m)	2700K + 6500K	406	332.1	16.4 ft (5 m)	✓	n/a	n/a	n/a

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

Available Wattages	Incremental Length	LED Pitch	Color Temperature	Delivered Lumens with Square Milky Lens		Max Length	Compatible with Channel			
				lm/ft	lm/m		IP20	IP65	IP68	IP69
1.5 Static White Xacta	0.2 in. (5 mm)	61 LEDs/ft (200 LEDs/m)	1800K	89.9	294.8	32.74 ft (9.98 m)	✓	n/a	n/a	n/a
			2000K	106.1	347.9					
			2200K	116.4	381.7					
			2400K	120.8	396.2					
			2700K	137	449.4					
			3000K	142.9	468.7					
			3500K	147.3	483.2					
			4000K	144.4	473.6					
			6000K	141.4	463.9					
3.0 Static White Xacta	0.2 in. (5 mm)	61 LEDs/ft (200 LEDs/m)	1800K	160	524.9	23.62 ft (7.2 m)	✓	n/a	n/a	n/a
			2000K	188.8	619.6					
			2200K	207.2	679.8					
			2400K	215.1	705.7					
			2700K	243.9	800.3					
			3000K	254.4	834.7					
			3500K	262.3	860.6					
			4000K	257	843.3					
			6000K	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	19.03 ft (5.8 m)	✓	n/a	n/a	n/a
			2000K	288.3	945.9					
			2200K	316.3	1037.8					
			2400K	328.3	1077.2					
			2700K	372.4	1221.7					
			3000K	388.4	1274.3					
			3500K	400.4	1313.7					
			4000K	392.4	1287.4					
			6000K	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	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	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	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	60	195	32.8 ft (10 m)	✓	✓	✓	✓
3.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	168	551	32.8 ft (10 m)	✓	✓	✓	✓
6.0 Variable White Series 2	1.97 in. (50 mm)	42 LEDs/ft (140 LEDs/m)	2000K + 6500K	315	1033	19 ft 8 in. (6 m)	✓	✓	✓	✓
4.4 RGBW Series 2	1.97 in. (50 mm)	36 LEDs/ft (120 LEDs/m)	RGBW (all on)	138.6	454.7	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 (all on)	227.2	745.3	IP65: 16 ft 4 in. (5 m) IP68/IP69: 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)	375.8	1232.9	16 ft 4 in. (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 (all on)	181.7	308	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	596.2	1010.5	11 ft 6 in (3.5 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	16 ft 5.64 in. (5.02 m)	n/a	n/a	✓ IP67	n/a
			Green	61.5	201.8					
			Blue	11.6	38.1					
			White	77.3	253.5					
			All	181.6	595.8					
6.1 Pixel RGB	3.94 in. (100 mm)	18 LEDs/ft (60 LEDs/m)	RGB (all on)	87.15	285.6	24 ft 7.2 in. (7.5 m)	✓	n/a	n/a	n/a
5.2 Warm Dim	3.94 in. (100 mm)	36 LEDs/ft (120 LEDs/m)	Warm Dim	200	657	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	Static White & Static Color Xacta	RGBW & RGBA Series 2		5-in-1 RGBWW	5-in-1 RGBWW	Pixel RGB	RGBW Addressable	Variable White Series 2	Warm Dim
0.75/1.5/2.2/3.0/4.4/5.0/6.0	1.5/3.0/4.5	4.4/8.8	5.5	4.4	8.8	6.1	6.0	1.0/3.0/6.0	5.2
IP20/IP65/IP68/IP69	IP20	IP20	IP65/IP68/IP69	IP20/IP69	IP20	IP20	IP67	IP20/IP65/IP68/IP69	IP20/IP65/IP68/IP69
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



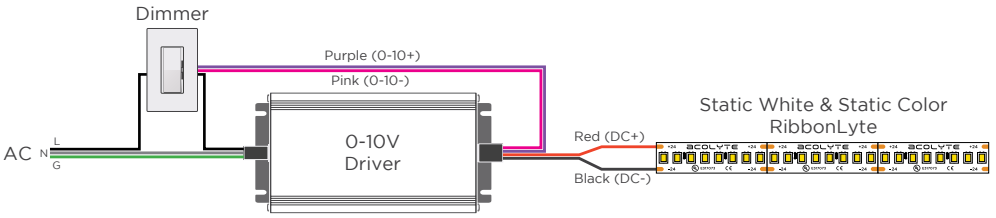
DMX OPTO SPLITTER
Part No.: DMXOS8

DRIVER AND RIBBONLYTE AT FULL LOAD

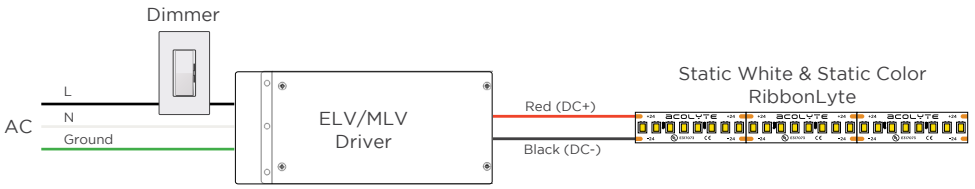
Wattages	30		60		96		150		200		240		300		320	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG / 0.25 mm²	14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG / 0.34 mm²	22	6.71	14	4.27	9	2.74	5.75	1.75	4.5	1.37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

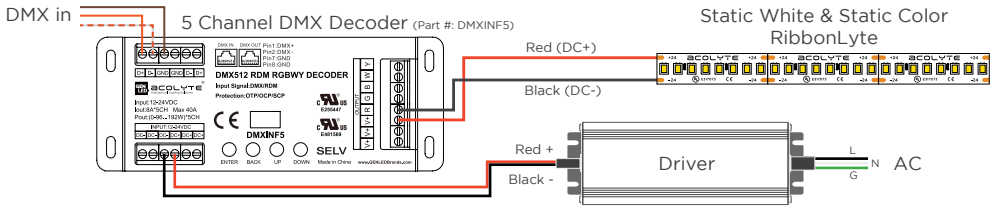
0-10 V



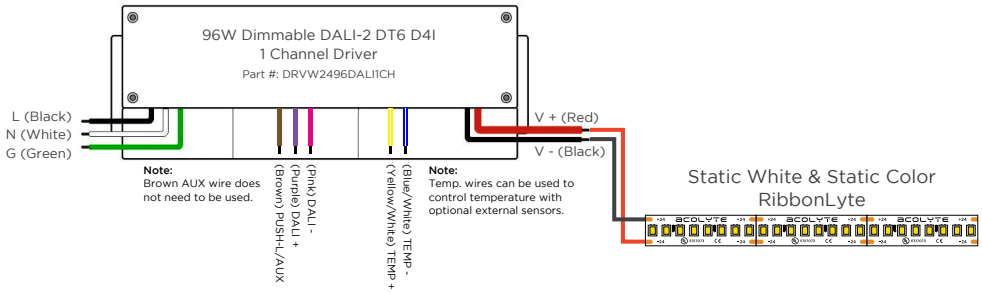
MLV / ELV



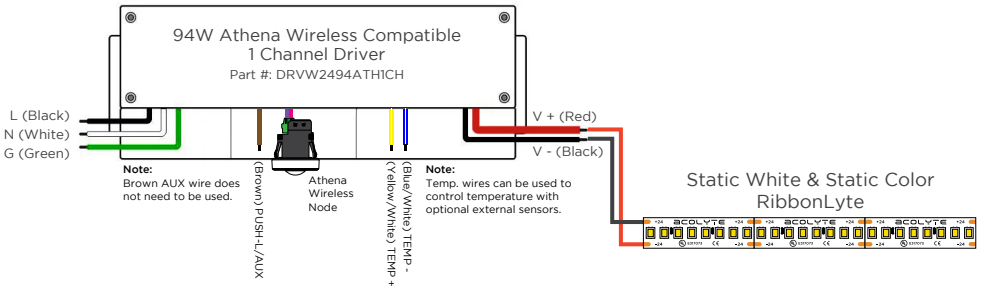
DMX WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



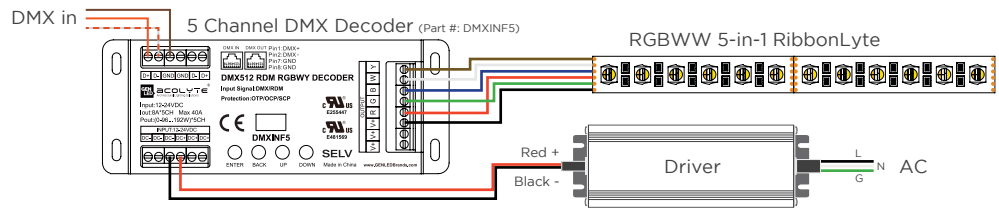
DALI-2 WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



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



DMX WITH RGBWW 5-IN-1 RIBBONLYTE



WIRE COLORS

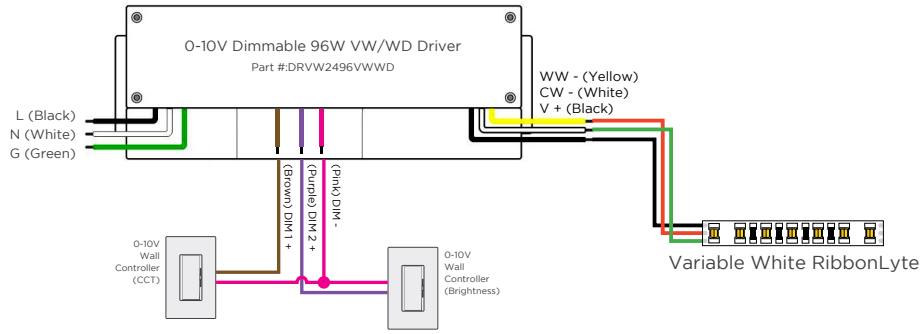
STATIC WHITE + STATIC COLOR
Red Wire (+) Positive
Black Wire (-) Negative

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

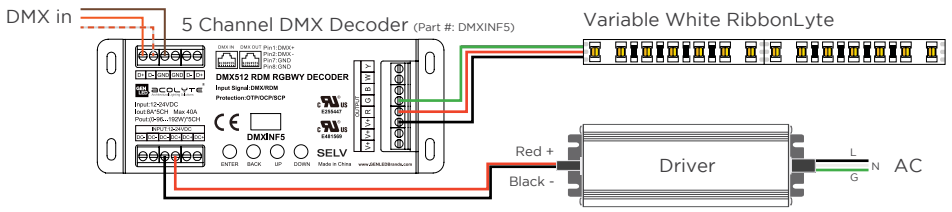
RGBWW
Black (+) Positive
Green Wire (-) goes to Green Channel
Red Wire (-) goes to Red Channel
Blue Wire (-) goes to Blue Channel
White Wire (-) goes to White Channel 1
Brown Wire (-) goes to White Channel 2

WIRING DIAGRAMS - VARIABLE WHITE

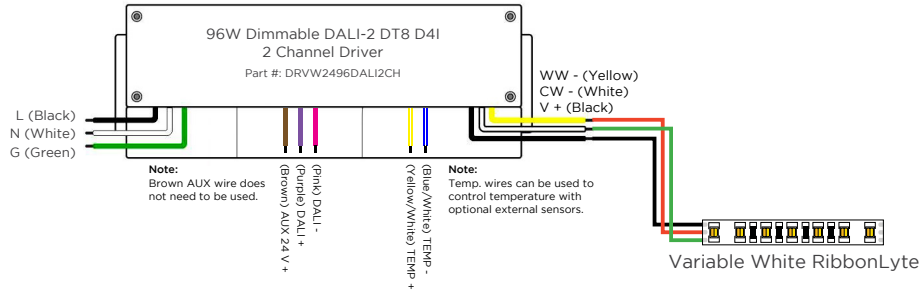
2-CHANNEL VARIABLE WHITE DIMMING



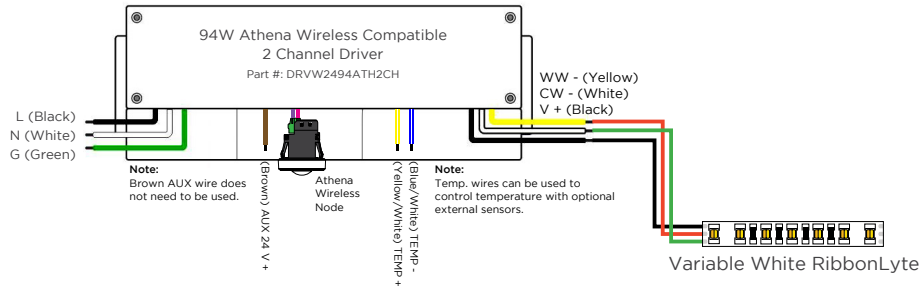
DMX WIRING WITH VARIABLE WHITE RIBBONLYTE



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

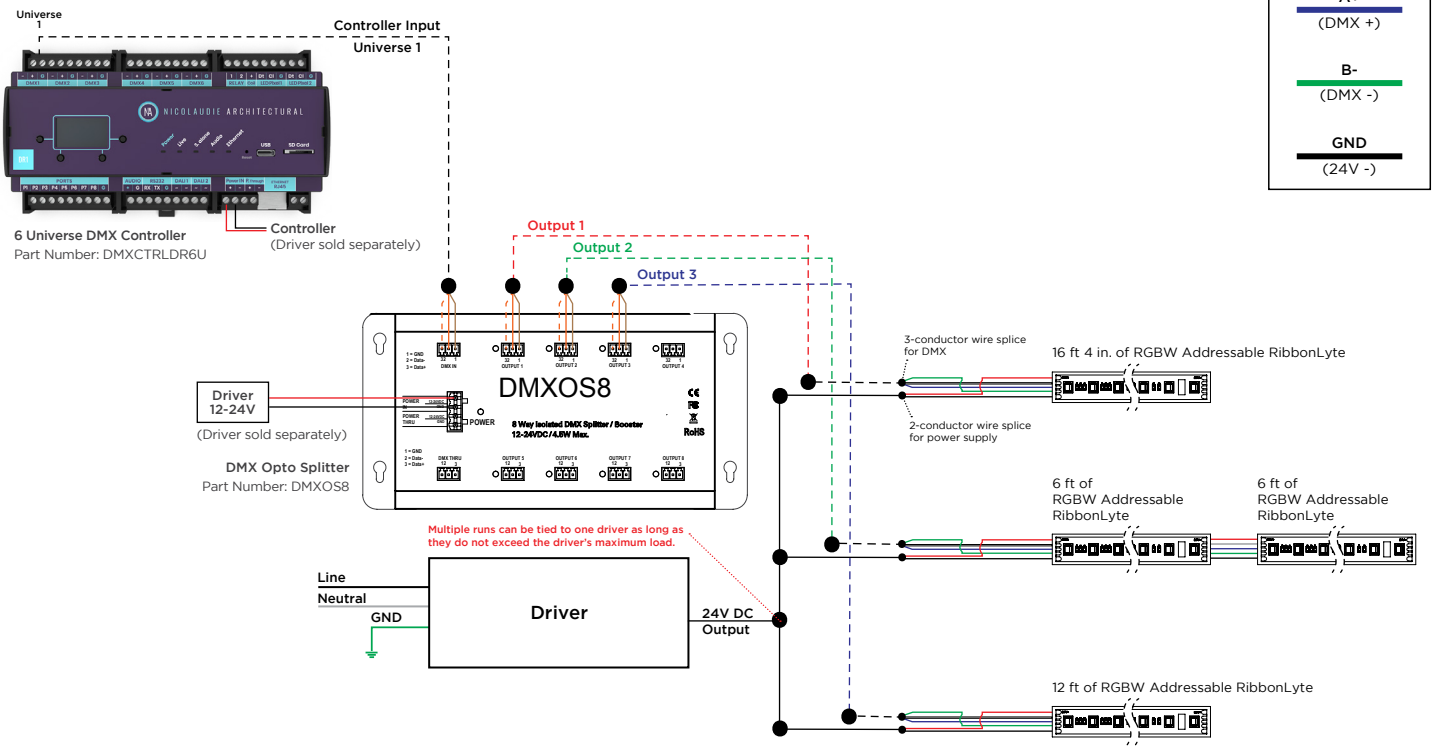
One DMX Universe consists of 128 addresses and 512 channels (42 ft / 12.8 m of RibbonLyte).

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.

WIRE INDEX

- \+ (24V +)
- PI (DMX GND)
- A+ (DMX +)
- B- (DMX -)
- GND (24V -)



REV.04NOV2026

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