Linear RGBWW

AiSPIRE
A WAC COMPANY

Fixture Type:
Catalog Number:
Project:
Location:

| Model		Length (in feet)						Type	Finish
A2L90	155-323 lm/ft (2700-5000K) 20-123 lm/ft (RGB) 2.3-5.4 W/ft	**01**	**05**	**10**	**16**	**20**	**CC**	*RGBWW*	**WT** *White*

Example: **A2L90-05-CCWT**

DESCRIPTION

Architectural grade RGB and white tape light that delivers precise color consistency and brightness throughout the strip. With a high lumen output, choose a Color Temperature anywhere from 2700K to 5000K and entire visible color spectrum for a unique and custom lighting effect. Its 10mm size allows it to be used variety of channels for a wide range of applications.

FEATURES

- May be cut and easily reconnected every 4 inches
- Tune to desired CCT from 2700K to 5000K and visible color spectrum with DMX/RDM control
- Unshielded Data Cable: 25 ft. max run between DMX controller and beginning of the tape
- Shielded Data Cable: 90 ft. max run between DMX LED controller and beginning of the tape
- Strong adhesive bonding with the 3M adhesive VHB
- Gold plated connector protects from corrosion, heat, and ensures a reliable connection

LINE DRAWING
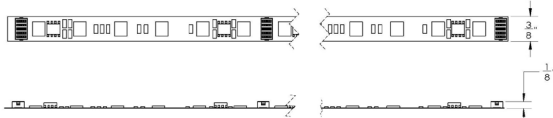
SPECIFICATIONS

Construction:	Flexible strip light
Cutting Interval:	4"
Input:	24VDC
Lumens:	Up to 323 lm/ft (white Light)
Max Run:	Depends on Color & Dimming level, Refer to table on pg.3
Control:	Through A2C10-3 DMX LED Controller
CRI:	90+ (White Light)
McAdams Steps:	3
Color Temp:	2700-5000K, R/G/B
Rated Life:	50,000 hours
Operating Temp:	-4˚F to 104˚F (-20˚C to 40˚C)
Standards:	UL & cUL listed, Damp Location listed, Title 24 Compliant

DMX CONTROLLER & POWER SUPPLIES (REQUIRED)
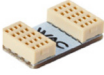
Controller	Model	Input	Output	Dimension	
	A2C10-3	3X24VDC	3X 24VDC	7 7/8" x 3 7/8" x 1 13/16"	UL Listed Class 2 Output 3 DMX/RDM Individual Addressable Output Channels 35MM DIN RAIL & Surface Mount DMX Port: RJ45/ XLR 3 Pins / Phoenix Connector Support both RGBWW / CCT Tunable AISPIRE products
	Includes: 3 pcs A2L03-072-WT & DIN RAIL STOPPER				
	A2D10-96	120-277VAC	24VDC	7 7/8" x 3 7/8" x 1 13/16"	96W, UL Listed Class 2 Output Input Power Cord Plug Ready 35MM DIN RAIL & Surface Mount Capability 5 Years Warranty
	Includes: DIN RAIL STOPPER				
	HDR-100-24N	120VAC	24VDC	3.54" x 2.75" x 2.38"	96W, UL508 Class 2 Isolation DIN RAIL Mount Capability 3 Years Warranty

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1

	Model	Finish		
	A2L00-WT	*White*	Tape to Tape Connector *Connects tape sections*	
	A2L06-WT	*White*	Tape to Tape T Connector *Connects tape sections*	
	A2L07-WT	*White*	Tape to Tape X Connector *Connects tape sections*	
	A2L05-WT	*White*	Tape to Tape L Connector *Connects tape sections*	
	A2L01-WT	*White*	Joiner Cable Extender *Connects joiner cable to joiner cable, female on both sides*	
	A2L08-WT	*White*	Flex Tape to Tape Y Connector *Connects tape sections*	
	A2L09-WT	*White*	Flex Tape to Tape X Connector *Connects tape sections*	
	A2L02-002-WT **A2L02-006-WT** **A2L02-012-WT** **A2L02-036-WT** **A2L02-072-WT** **A2L02-144-WT** **A2L02-240-WT**	*White*	In Wall Rated Joiner Cable *Connects tape sections, 2 male ends*	*2 in* *6 in* *1 ft* *3 ft* *6 ft* *12 ft* *20 ft*
	A2L03-072-WT **A2L03-144-WT**	*White*	In Wall Rated Extension Cable *Extends distance between a hard wire power supply or a wiring box to a tape section*	*6 ft* *12 ft*
	A2L16-CL	*Clear*	Plastic Mounting Clip (Pack of 10) *Secure tape to uneven surfaces*	
	A2L15-WT	*White*	5-3 Low Voltage Wiring Box *Connects between 5 wires and 3 wires cable*	

AiSPiRE® RGBWW
DMX Value & Power Consumption

POWER CONSUMPTION AND MAXIMUM RUN

Tape power consumption depends on the color and dimming level. A lookup table below shows the light output at maximum level from linear RGBWW. The maximum run length value is at maximum brightness of particular color or CCT with 96W power supply.

Color & CCT (K)	Power (W/ft)	Max Run (ft)	Lumen	CH1: RED	CH2: GREEN	CH3: BLUE	CH4: 2700K	CH5: 5000K	CH6: R/G/B	CH7: 27/50
							DMX Value			
RGB (White)	4.8	20	124	255	255	255	0	0	255	0
RED	2.3	41	27	255	0	0	0	0	255	0
GREEN	2.3	41	72	0	255	0	0	0	255	0
BLUE	2.3	40	21	0	0	255	0	0	255	0
2700K	3.2	30	156	0	0	0	255	0	0	255
2800K	3.3	28	164	0	0	0	255	5	0	255
2900K	3.5	27	183	0	0	0	255	20	0	255
3000K	3.7	26	213	0	0	0	255	40	0	255
3100K	3.9	24	212	0	0	0	255	60	0	255
3200K	4.0	23	227	0	0	0	255	80	0	255
3300K	4.2	22	244	0	0	0	255	105	0	255
3400K	4.5	21	265	0	0	0	255	140	0	255
3500K	4.8	20	274	0	0	0	255	170	0	255
3600K	5.0	19	309	0	0	0	255	210	0	255
3700K	5.4	17	323	0	0	0	255	255	0	255
3800K	5.2	18	308	0	0	0	205	255	0	255
3900K	4.8	20	293	0	0	0	175	255	0	255
4000K	4.5	21	273	0	0	0	140	255	0	255
4100K	4.4	22	260	0	0	0	120	255	0	255
4200K	4.2	22	250	0	0	0	100	255	0	255
4300K	4.1	23	232	0	0	0	80	255	0	255
4400K	4.0	24	223	0	0	0	65	255	0	255
4500K	3.9	24	217	0	0	0	55	255	0	255
4600K	3.8	25	209	0	0	0	40	255	0	255
4700K	3.7	26	202	0	0	0	35	255	0	255
4800K	3.6	27	192	0	0	0	20	255	0	255
4900K	3.5	27	189	0	0	0	15	255	0	255
5000K	3.3	29	177	0	0	0	0	255	0	255

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