

A-TRACK HOUSING FAMILY

Semi-Custom to Meet Your Needs



Semi-Custom

Offered in a variety of shapes and sizes and endless customizable options

End to End Connectivity

Using our patent pending coupling mounting clips, A-Track offers an elegant solution no matter how short or long your fixture needs to be

Made in the USA

Fabricated of high quality American aluminum and premium optic diffuser lenses

Custom Lengths

Pre-assembled: ≤ 8 ft. (96 in)

Assembly Required: > 8 ft. (96 in)

Tested as suitable for use within clothing closet spaces by ETL/Intertek

Must be installed in accordance with NEC 410.16 for use in clothing closet spaces

See separate installation instructions
Patent Pending - Made in the USA



Components of a complete system include: Aion LED A-Track Light Engine, Aion LED A-Track housing with diffuser lens, & Aion LED driver (power supply). Dimmer not included. Approved dimmers, controls, power supplies, cable, & other components only. Contact Aion LED for questions regarding compatibility. Electrician installed. Strictly adhere to NEC & local building code. Limited 5-year warranty against manufacturing defects only, does not cover labor; voided by: inadequate ventilation, field modifications, installation by unqualified personnel, unapproved controls, drivers, cabling, other devices, not following installation guidelines & protocol, general negligence. Installer assumes all liability with regard to property & safety. This product is UL listed. See separate "Aion LED Warranty Terms" & additional instructional materials for more information. Authorized installers only. Systems tested prior to shipping.



AIONLED.COM | (415) 255-AION

Modified: March 15, 2018

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Customization Options

AT-Series A-Track fixtures are semi custom and made to order. If an additional option or feature is needed, please contact Aion LED to discuss.

Profile

Standard
Deep
45° Asymmetrical

Lens

Frosted
Clear
Prismatic

Finish

Anodized Silver
Anodized Dark Bronze
Custom Color

Mounting

Mounting Clips
Pivot Mounting Clips
HD Adhesive backing

Feed

End
Rear
Side

Length

Custom pre-cut
Field Cuttable

Wiring

24" Leads
48" Leads
Custom length leads
M/F Disconnect Plugs
Color: White/ Black

Custom Lengths

Pre-assembled: ≤ 8 ft. (96 in)
Assembly Required: > 8 ft. (96 in)

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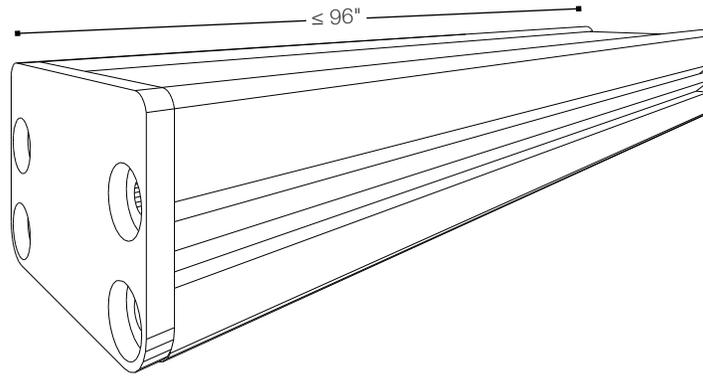


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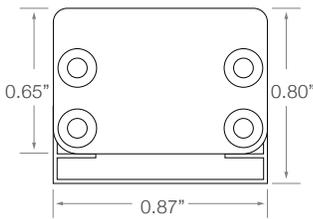
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AT801
Standard Profile

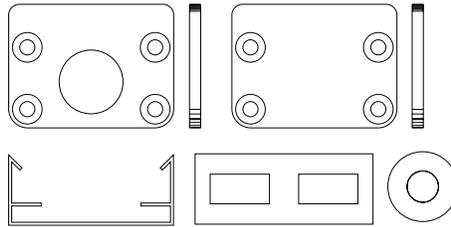


NOT TO SCALE

Dimensions
NOT TO SCALE



Accessories
SCALE 1:1



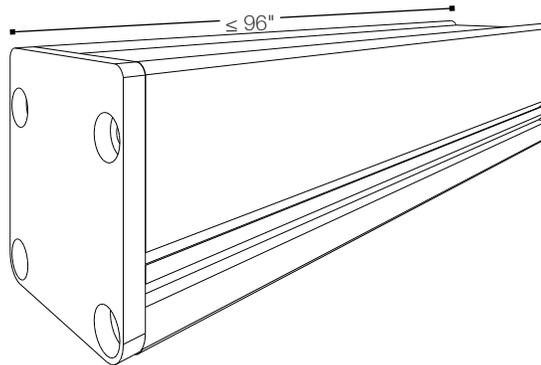
Compatibility

DIRECT VIEW

INDIRECT VIEW

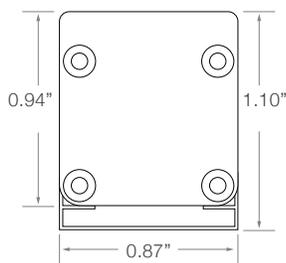
- 8924-RGBW-LE
- 7000-RGB
- 5000-RGB

AT802
Deep Profile

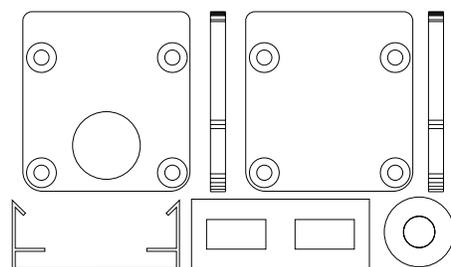


NOT TO SCALE

Dimensions
NOT TO SCALE



Accessories
SCALE 1:1



Compatibility

DIRECT VIEW

INDIRECT VIEW

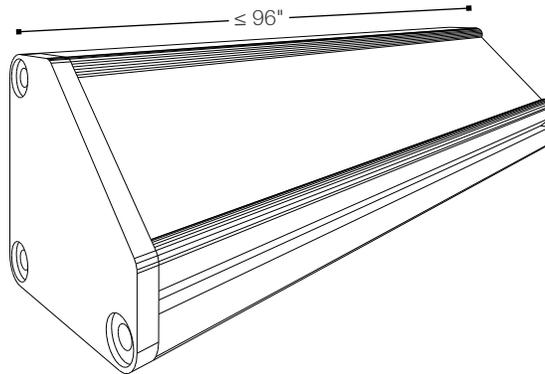
- 8924-RGBW-LE
- 7000-RGB
- 5000-RGB

- 8924-RGBW-LE
- 7000-RGB
- 5000-RGB

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AT845

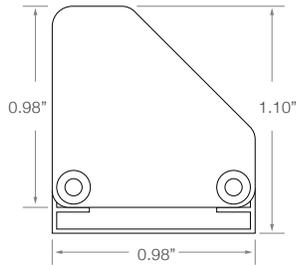
45° Asymmetrical Angle Profile



NOT TO SCALE

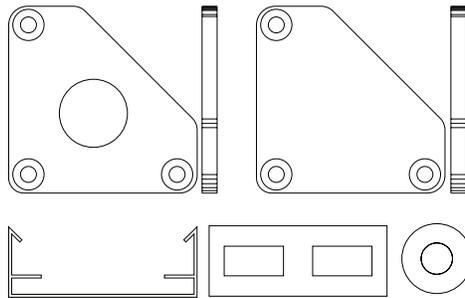
Dimensions

NOT TO SCALE



Accessories

SCALE 1:1



Compatibility

DIRECT VIEW

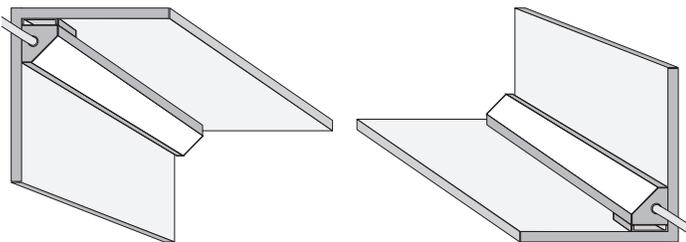
INDIRECT VIEW

8924-RGBW-LE
7000-RGB
5000-RGB

Power Leads & Plugs Orientation Options

If an orientation isn't selected, AT845 Fixtures will be delivered unassembled

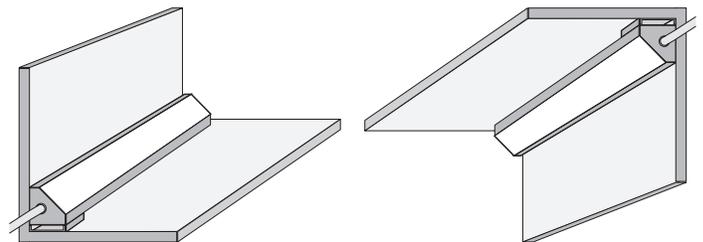
OPTION A



DOWN, LEFT

UP, RIGHT

OPTION B



UP, LEFT

DOWN, RIGHT

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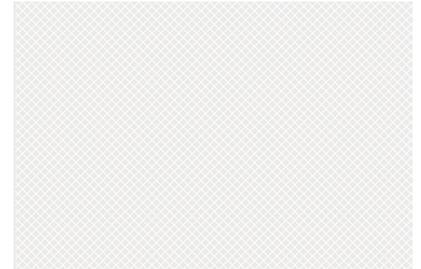
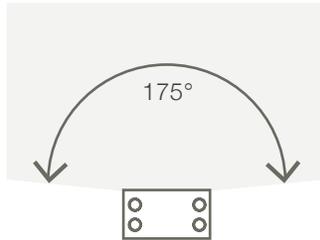
AION LED OPTICS

UV stabilized and won't yellow in direct sunlight

Frosted

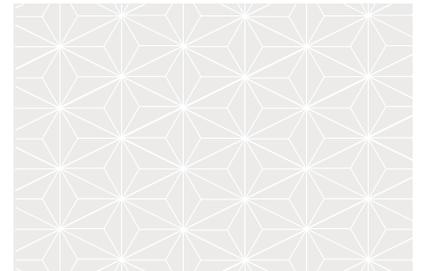
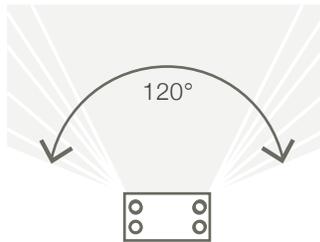
Widest Angle
Mid-Transmittance
100% Diffusion

See direct view for compatible light engines



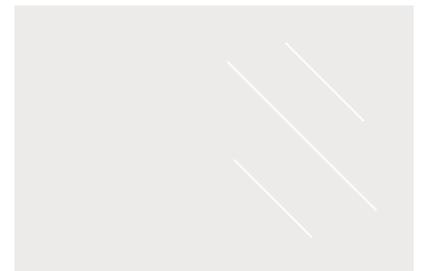
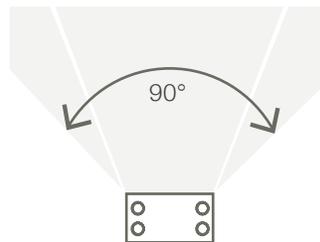
Prismatic

Wider Angle
High Transmittance
Mid Range Diffusion

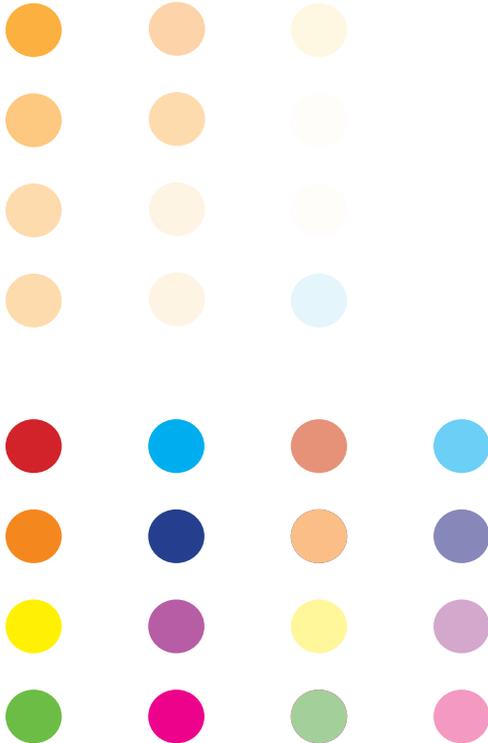


Clear

Wide Angle
Maximum Transmittance
Zero Diffusion
Clear lens is recommended for indirect applications.



8924-RGBW-LE
High Rendering Color Tuning Fixture



UL Class 2

IP20 Dry Location

Custom Cut to Fit, Field Trimmable

50,000 Hour Minimum Lifespan

High Output/ 4 Channel (Common+)

5.8W/ ft. Discrete LEDs:
Red, Green, Blue & White

Max. Increment: 15 ft.

Min. Increment: 4 in.

Requires: Aion LED Driver, Aion LED Housing and Approved Controller
-Sold Separately, Not Included

Tested as suitable for use within clothing closet spaces by ETL/ Intertek

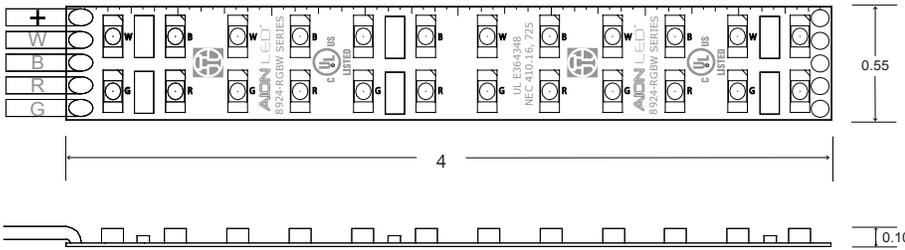
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Patent Pending - Made in the USA

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8924-RGBW-LE
High Rendering Color Tuning Fixture



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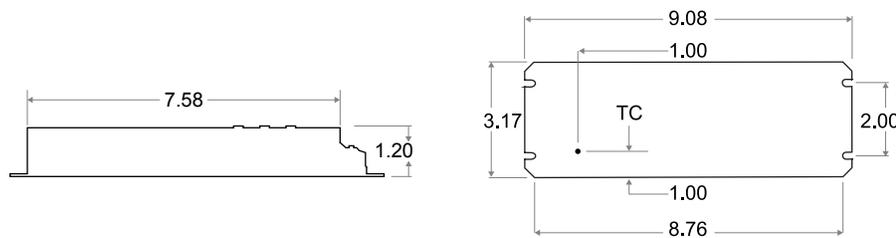
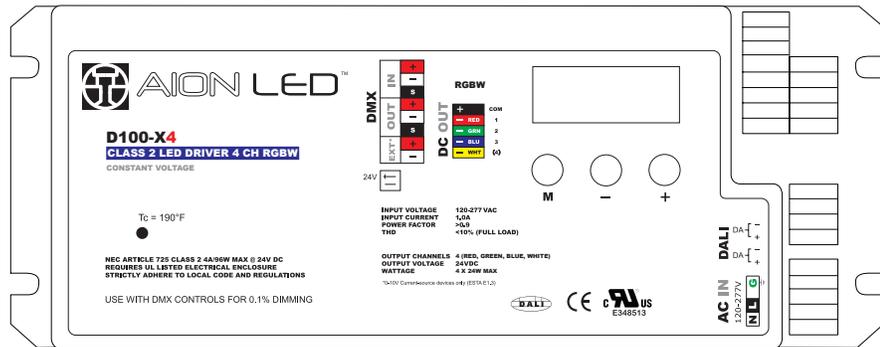


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X4

4 Channel DMX Driver



4 Channel DMX Driver

Factory Programmed for:
RGBW+

Factory Wire Harness for Ease of Installation

Integrated Class 2 Supply

LCD interface

Universal 100-277VAC Input

UL, CE, & CSA APPROVED

Default Address 1

Requires UL Listed Enclosure

MODEL	D100-X4		
CASE	DRY & DAMP	DIMENSIONS (L-W-H)"	9.06 x 3.15 x 1.18"
WATTAGE	96W @ 24 VDC	PRIMARY BREAKER	AUTO-RESET
INPUT VOLTAGE (Hz)	100-277 VAC, 60HZ	DIMMING	0.1%
INRUSH CURRENT	120 VAC: 35A 240µs 277 VAC: 75A 240µs	CONTROL TYPE	Aion LED AX5-4 Controller, DTM or 3rd Party DMX Interface
INPUT CURRENT	120 VAC: 1.05A 277 VAC: 0.45A	3RD PARTY DMX COMPATIBILITY	Lutron, Vantage, Crestron, ETC AMX (ANY DMX)
POWER FACTOR	>0.94	THERMAL CLASS	(B) 130 C
VOLTAGE LOADED	23.5 VDC	MAX FEET 8924-RGBW	15
VOLTAGE OPEN	24.2 VDC		



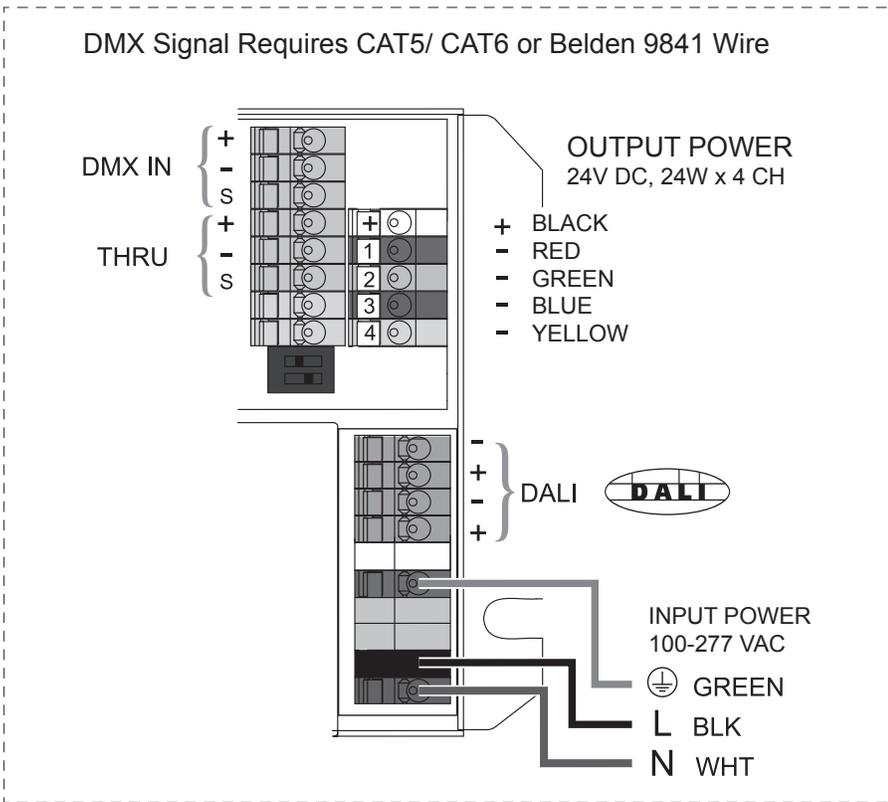
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INSTALL PER NEC

Requires:

DMX Controller & Control Wire Daisy-Chain

Fixture Load:

Requires 5 Conductor Cable

Black = Common POS +

Red, Green, Blue, Yellow = NEG -

AC Input:

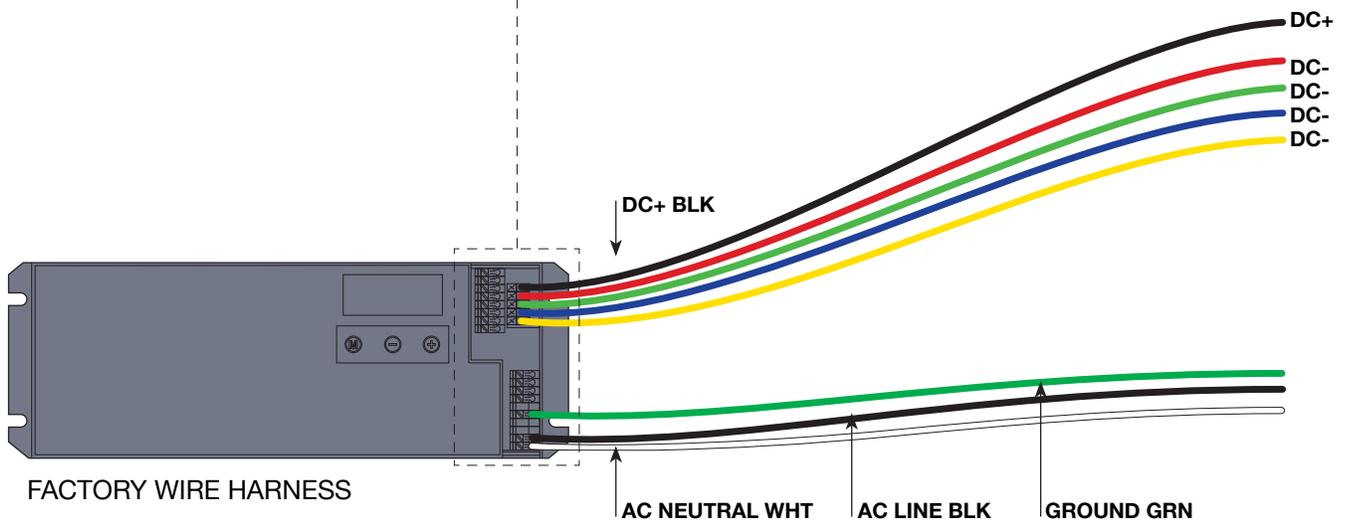
LINE (BLK)

NEUTRAL (WHT)

GROUND (GRN)

Max Run

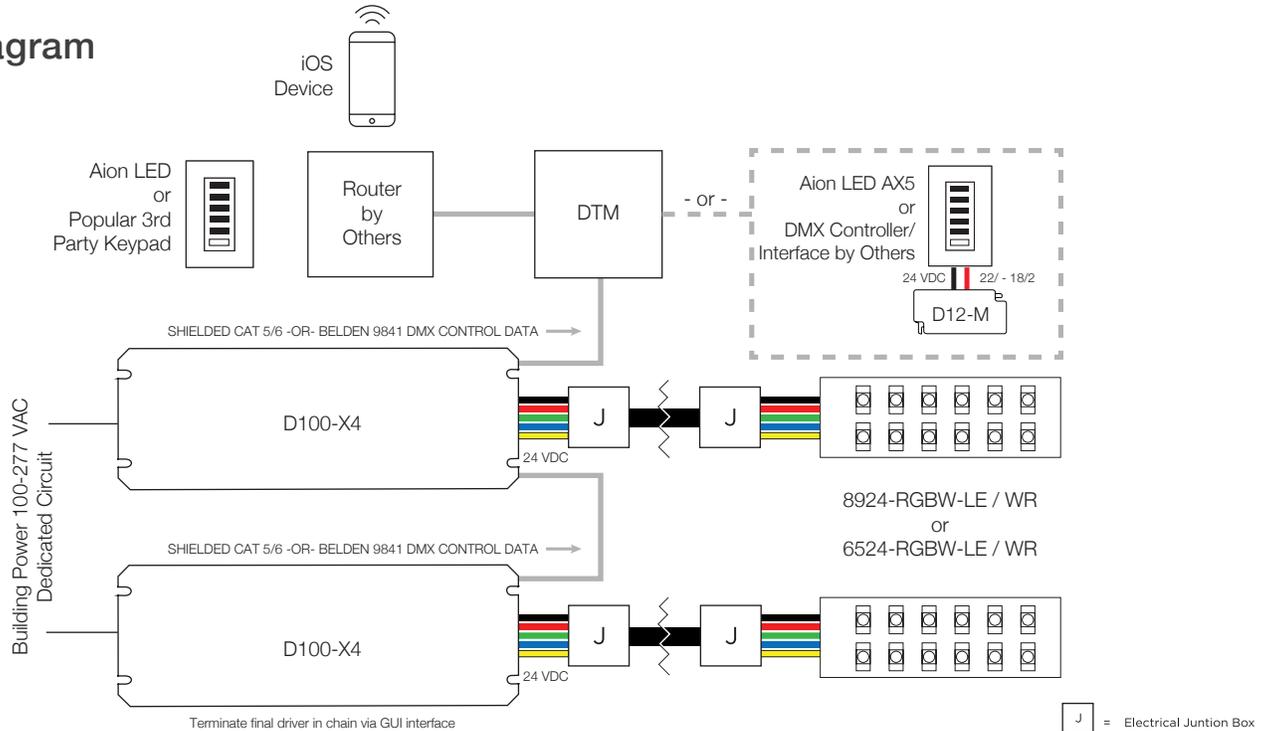
15 ft.



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Wiring Diagram

D100-X4



Installation Instructions

1. Install per NEC and Local code by qualified personnel
2. Requires UL Listed enclosure with adequate ventilation
3. Strain-relief wiring to enclosure to prevent wires from pulling out
4. Wire AC power with 18AWG power wire
5. Ensure that jacket goes all the way into connector
6. Connect DMX controller to 'DMX in' on first unit with Belden 9841 DMX wire (plus, minus, shield),- or- shielded CAT5/6
7. Daisy chain additional units from 'DMX out' to 'DMX' of following unit with Belden 9841 cable -or- shielded CAT5/6
8. Terminate only the final unit in DMX chain via programming interface
9. Wire fixture to wire harness with wire nuts [R, G, B, Y, DC+ (Black)]
10. Drivers are pre-programmed and tested at Aion LED for specific Aion LED fixtures. Each of the four D100-X series models (X1,X2, X3, X4) ship with a separate and unique Aion LED factory wiring harness for plug and play functionality and to eliminate mistakes in the field. Aside from changing the default DMX address (1) via supplied GUI interface, or activating "Termination" on the final unit in a control chain, only certified integrators and qualified personnel should attempt changing other settings. Default programming settings are for reference only.



Components of a complete system include: Aion LED A-Track Light Engine, Aion LED A-Track housing with diffuser lens, & Aion LED driver (power supply). Dimmer not included. Approved dimmers, controls, power supplies, cable, & other components only. Contact Aion LED for questions regarding compatibility. Electrician installed. Strictly adhere to NEC & local building code. Limited 5-year warranty against manufacturing defects only, does not cover labor; voided by: inadequate ventilation, field modifications, installation by unqualified personnel, unapproved controls, drivers, cabling, other devices, not following installation guidelines & protocol, general negligence. Installer assumes all liability with regard to property & safety. This product is UL listed. See separate "Aion LED Warranty Terms" & additional instructional materials for more information. Authorized installers only. Systems tested prior to shipping.



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Programming Guide

D100-X4

USER MENU

Highlighted Yellow = User Defined

M	DMX Address = 1 Default
M	Network Resolution = 8 bit
M	Term = No terminate final driver in chain
M	Network Set = Manual
M	Interpolation = Color

TO LOCK/ UNLOCK MODE MENU

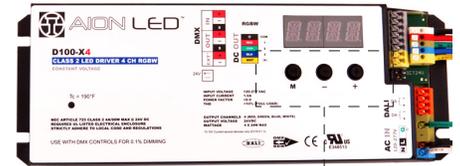
M + +	Hold for 3 seconds, then select (+) or (-) to lock or unlock
---------------------	--

TO ACCESS OUTPUT MENU

M + +	Hold for 0.5 seconds LED =RGBW
M	External Input = OFF
M	Dim Curve = Log

TO ACCESS MODE MENU

M	Hold for 3 seconds SET MODE = DMX
----------	--------------------------------------



Ensure all wiring is correct and properly terminated

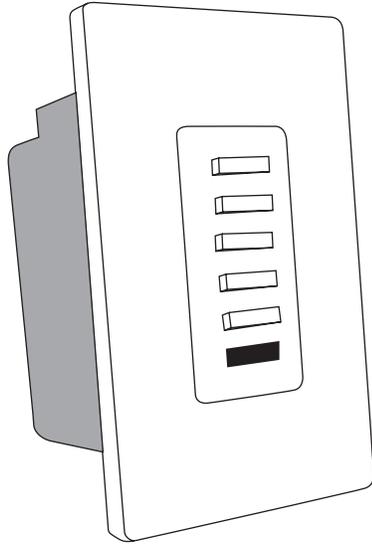
Default DMX address is 1 and can be changed via GUI interface.

Drivers are pre-programmed and tested at Aion LED for specific Aion LED fixtures. Each of the four D100-X series models (X1, X2, X3, X4) ship with a separate and unique Aion LED factory wiring harness for plug and play functionality and to eliminate mistakes in the field.

Aside from changing the default DMX address (1) via supplied GUI interface, or activating "Termination" on the final unit in a control chain, only certified integrators and qualified personnel should attempt changing other settings. Default programming settings are for reference only.

AX5-4

Compact DMX Controller



AX5 ships pre-programmed to factory default settings per application

Standard Decora™ Mounting

Optional programming software, USB interface & remote control available

Requires Approved DMX Signal Cable, Including Belden 9841 -Sold Separately

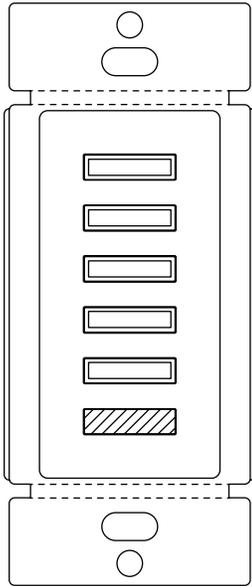
Requires D12-M-24 Power Supply

MODEL	AX5-4
DIMENSIONS (L-W-H)"	1.8 x 1.8 x 4.1"
WEIGHT	2.9 oz
POWER	2- POSITION SPRING CLIP TERMINAL
DMX PORT	3- POSITION REMOVABLE TERMINAL BLOCK
INPUT	24 VDC

AX5-4
Compact DMX Controller



Default Programming



Up: White 22/24/27/30/35/40/55
 Down: White 55/40/35/30/27/24/22
 RGBW Fade: Slow/ Med/ Fast
 Static Colors: Color/ Pastel White
 Off

AX5 ships pre-programmed to factory default settings per application

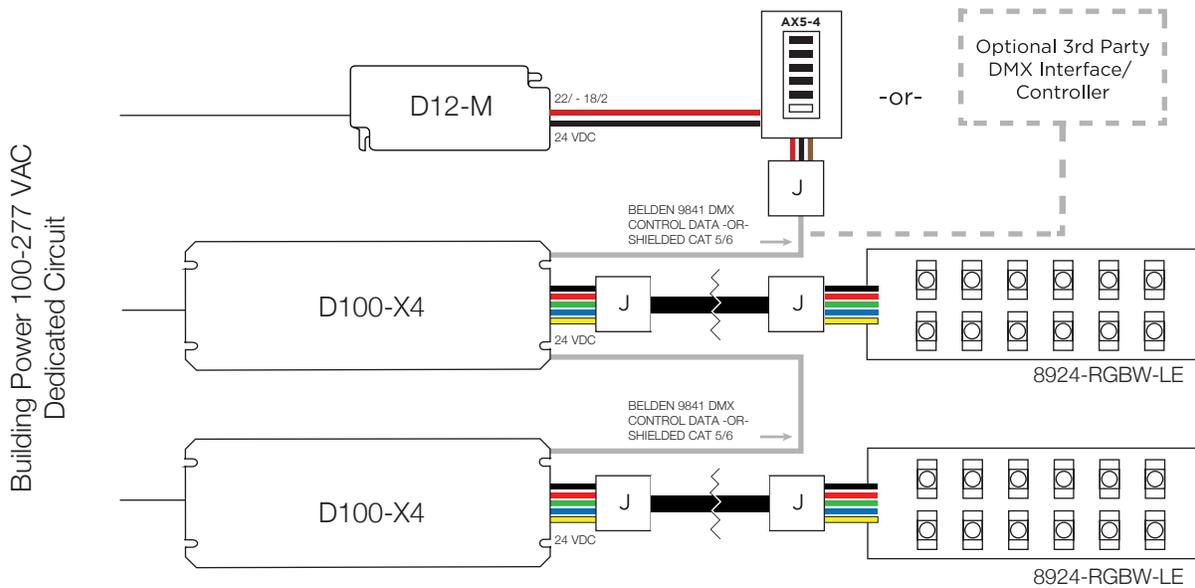
Requires Approved DMX Signal Cable, Including Belden 9841 -Sold Separately

Requires D12-M-24 Power Supply

Default programming subject to change without notice

Wiring Diagram

AX5-4



J = Electrical Junction Box

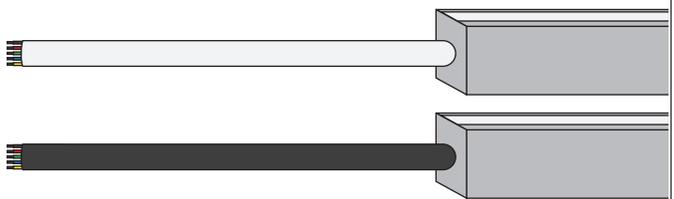
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LEADS & PLUGS

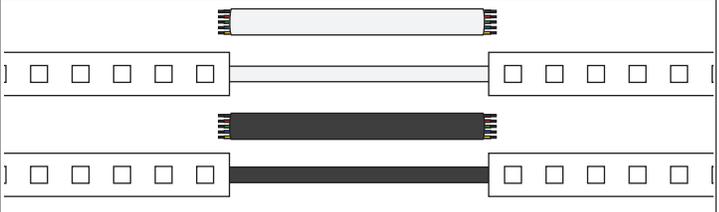
RGBW+

Low-Voltage Class 2/3 Power Cable by Aion LED
UV Rated · Indoor/ Outdoor

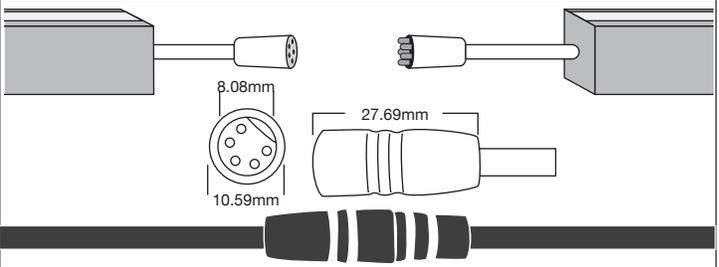
Fixture Power Lead

Fixture Power Lead	White Jacket	Black Jacket	
12" Power Lead	RGBW-A12	RGBWB-A12	
24" Power Lead	RGBW-A24	RGBWB-A24	
48" Power Lead	RGBW-A48	RGBWB-A48	

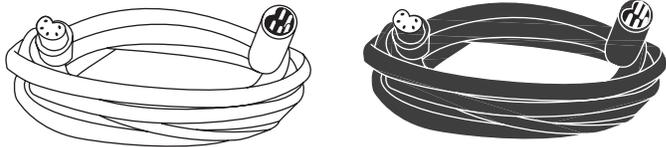
Hard Wire Jumper - Recommended with WR Type & LE Applications Only

Hard Wire Jumper	White Jacket	Black Jacket	
4" Hard Wire Jumper	RGBW-C4	RGBWB-C4	
12" Hard Wire Jumper	RGBW-C12	RGBWB-C12	
24" Hard Wire Jumper	RGBW-C24	RGBWB-C24	

5 Pin Plugs - Recommended with all AT Series Housings & Fixtures

5 Pin Jumper w/ Disconnect	White Jacket	Black Jacket	
4" Jumper with Disconnect	RGBW-BP4	RGBWB-BP4	
12" Jumper with Disconnect	RGBW-BP12	RGBWB-BP12	
24" Jumper with Disconnect	RGBW-BP24	RGBWB-BP24	
48" Jumper with Disconnect	RGBW-BP48	RGBWB-BP48	

Patch Cord - Optional, to Extend Length

Patch Cord	White Jacket	Black Jacket	
24" M to F Extension Cord	BP-5FM24	BPB-5FM24	
48" M to F Extension Cord	BP-5FM48	BPB-5FM48	
96" M to F Extension Cord	BP-5FM96	BPB-5FM96	



Black standard for dark bronze housings
White standard for silver housings

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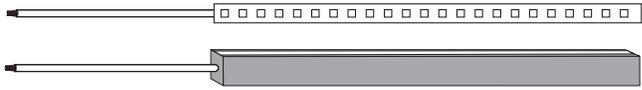
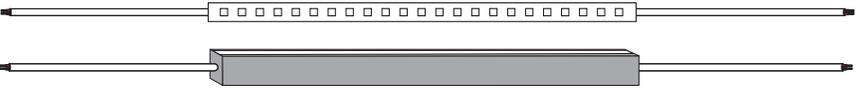
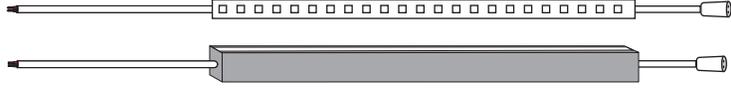
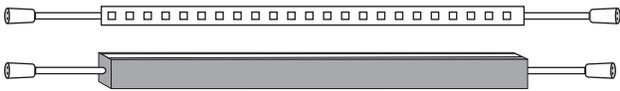
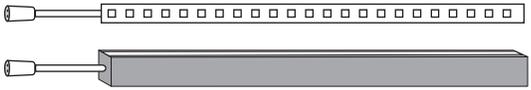


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Modified: March 15, 2018

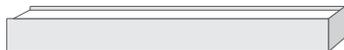
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Unless Otherwise Noted, Leads are 24" and Plugs are 4". Other Lengths Available

- CONFIGURATION 1**
 Power Lead to Fixture
Default, Unless Otherwise Noted

- CONFIGURATION 2**
 Power Lead to Fixture with End Lead
 
- CONFIGURATION 3**
 Power Lead to Fixture with End Plug
 
- CONFIGURATION 4**
 Power Plug to Fixture with End Plug
 
- CONFIGURATION 5**
 Power Plug to Fixture
 
- CONFIGURATION 6**
Not Compatible with Track
 Power Lead to Fixture with Jumper to Next Fixture
 
- CONFIGURATION 7**
Not Compatible with Track
 Jumper to Fixture with Jumper to Next Fixture
 
- CONFIGURATION 8**
Not Compatible with Track
 Jumper to Fixture
 

A-TRACK FIXTURES

Pre-assembled: ≤ 8 ft (96 in)



Assembly Required: > 8 ft (96 in)



Components of a complete system include: Aion LED A-Track Light Engine, Aion LED A-Track housing with diffuser lens, & Aion LED driver (power supply). Dimmer not included. Approved dimmers, controls, power supplies, cable, & other components only. Contact Aion LED for questions regarding compatibility. Electrician installed. Strictly adhere to NEC & local building code. Limited 5-year warranty against manufacturing defects only, does not cover labor; voided by: inadequate ventilation, field modifications, installation by unqualified personnel, unapproved controls, drivers, cabling, other devices, not following installation guidelines & protocol, general negligence. Installer assumes all liability with regard to property & safety. This product is UL listed. See separate "Aion LED Warranty Terms" & additional instructional materials for more information. Authorized installers only. Systems tested prior to shipping.

