

WR Type IP67 Wet Rated Flexible Linear



# **Custom Lengths**

Preassembled up to  $\leq$  32 ft. (384 in)\* Regulated by class 2 circuit limitations Refer to driver data sheet for max lengths

## **IP67**

Wet Location

## Made in the USA

Fabricated with high quality material

\*Upto Class 2 Max

Includes #WR-MK Mounting Clips & Screws

**Compatible With** #WR-MT Mounting Tape (Indoor, Sealed Surfaces) -or-Clear Silicone (Outdoor, Porous Surfaces) Select Output & Color Temperature

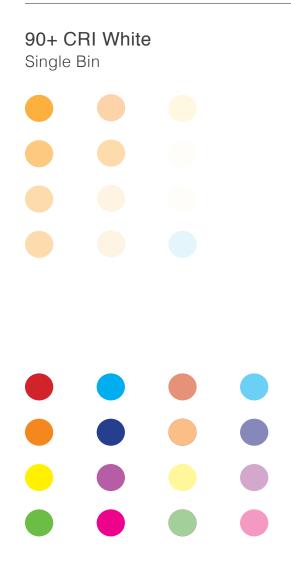
Determine required lengths

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











UL Class 2

IP67 Wet Location

Custom Cut to Fit, Field Trimmable

50,000 Hour Minimum Lifespan

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



Component of a complete system including: 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. 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

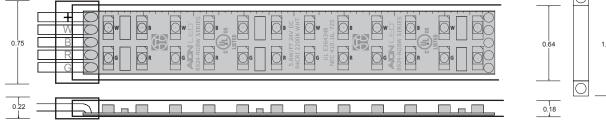


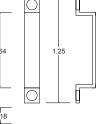


8924-RGBW-WR Color Tuning









8924-RGBW-LE, High Output/ 4 Channel (Common+)

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

**MIN.** Increment: 4 in.

MAX. Increment: 15 ft.

REQUIRES D100-X4 DRIVER, DMX CONTROLLER AND 800-SERIES HOUSING -Sold Separately, Not Included

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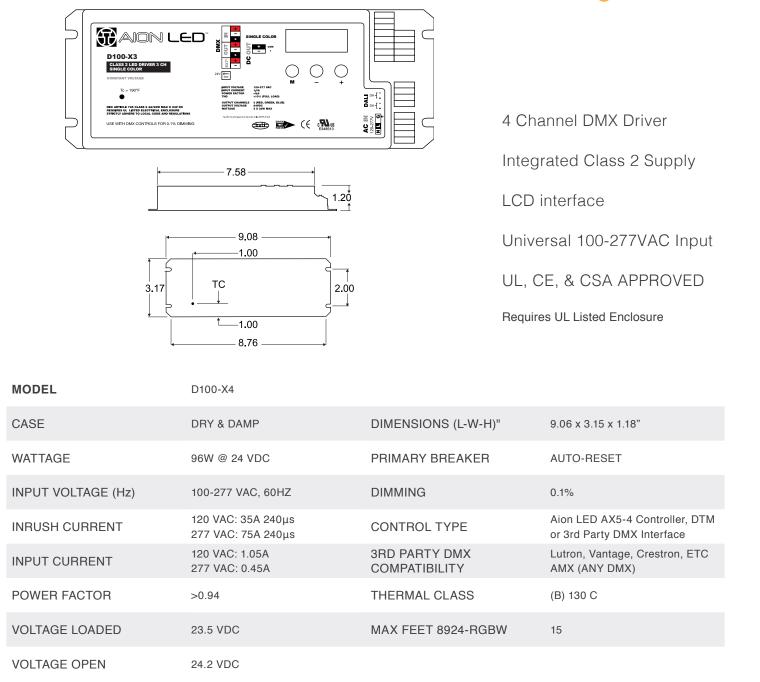
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## X4 4 Channel DMX Driver



DRIVER |

X4

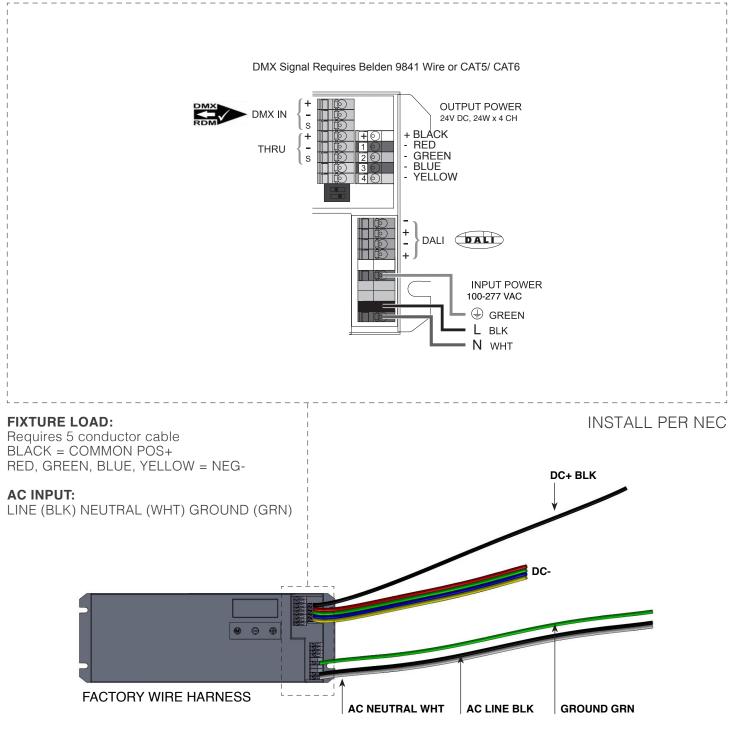


# C E FC PROHS C US





### REQUIRES DMX CONTROLLER & CONTROL WIRE DAISY-CHAIN

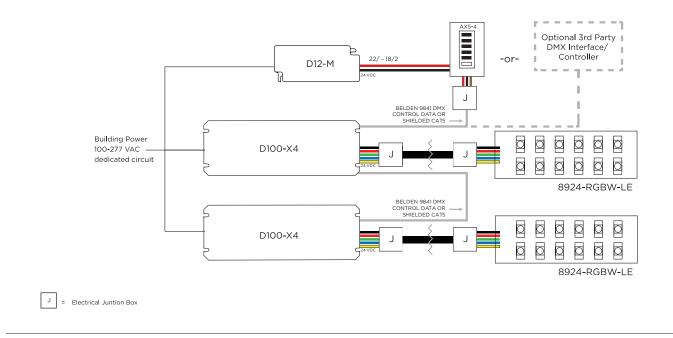


# CEFC PROHS CHAB513





## X4 WIRING DIAGRAM



# 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
- Connect DMX controller to 'DMX in' on first unit with Belden 9841 DMX wire (plus, minus, shield) -or- shielded CAT5/6

# CEFC PROHS CRAUS

- Daisy chain additional units from 'DMX out' to 'DMX in' of following unit with Belden 9841 cable -or- shielded CAT5/6
- 8. Terminate only the final unit in DMX chain via programming interface
- 9. Each driver is pre-programmed from factory Do not change settings
- 10. Wire fixture to wire harness with wire nuts [R, G, B, Y, DC+ (Black)]





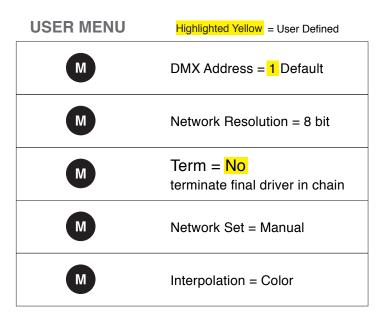
# PROGRAMMING GUIDE







Ensure all wiring is correct and properly terminated **Factory Programmed.** Ships with Default Settings Below

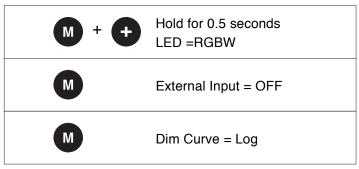


### TO LOCK/ UNLOCK MODE MENU



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

### TO ACCESS OUTPUT MENU



### TO ACCESS MODE MENU



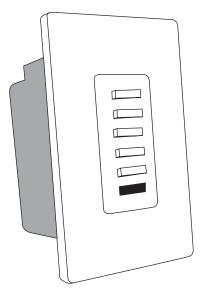
Hold for 3 seconds SET MODE = DMX







### AX5-4 Compact DMX Controller





AX5 ships pre-programmed to factory default settings per application

Standard Decora<sup>™</sup> 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



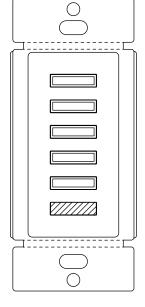




Off

### DEFAULT PROGRAMMING

**95+** CRI 0.1% DIMMING **2**555 MACADAM **R9** 80+ RGBW4<sup>54</sup>



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

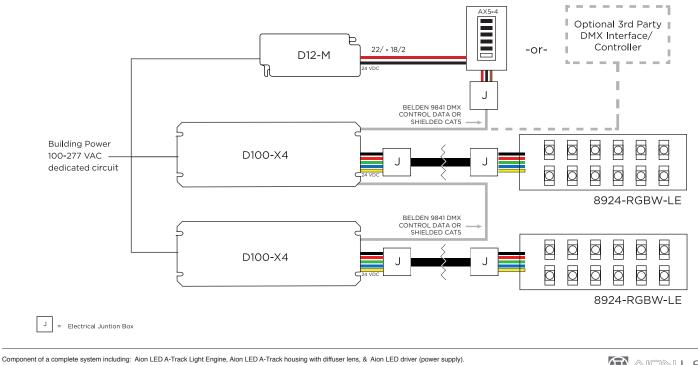
AX5 ships pre-programmed to factory default settings per application

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

Requires D12-M-24 Power Supply

Default programming subject to change without notice

AX5-4 WIRING DIAGRAM



Component of a complete system including: 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 lability 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 orior to shipoino. AIONLED.COM I (415) 255-AION MODIFIED June 19, 2017 © 2017 Aion LED. All Rights Reserved



Low-Voltage Class 2/3 Power Cable by Aion LED Dynamic Color System

UL Approved UV Rated Indoor/ Outdoor



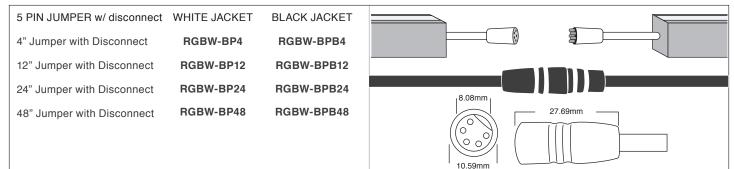
### Fixture Power Lead

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 WIRED JUMPER	WHITE JACKET	BLACK JACKET	
4" Hard Wired Jumper	RGBW-C4	RGBWB-C4	
12" Hard Wired Jumper	RGBW-C12	RGBWB-C12	
24" Hard Wired Jumper	RGBW-C24	RGBWB-C24	

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



### 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 C**A** E348513





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

	<b>CONFIGURATION 1</b> Power Lead to Fixture <i>Default, Unless Otherwise Noted</i>			
	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 FIXTU	JRES	
	Pre-assembled: ≤ 8 ft (96 i	in)	Assembly Required: > 8 ft (	96 in)
Dimmer no Electrician inadequate guidelines	to of a complete system including: Aion LED A-Track Light Engine, Aion LED A-Trac to included. Approved dimmers, controls, power supplies, cable, & other component installed. Strictly adhere to NEC & local building code. Limited 5-year warranty aga ventilation, field modifications, installation by unqualified personnel, unapproved cc & protocol, general negligence. Installer assumes all liability with regard to property ferms" & additional instructional materials for more information. Authorized installer	s only. Contact Aion LED for questi- inst manufacturing defects only, doe ontrols, drivers, cabling, other device & safety. This product is UL listed.	ons regarding compatibility. ss not cover labor; voided by: ss, not following installation See separate "Aion LED	AIONLED.COM I (415) 255-AION MODIFIED June 19, 2017 © 2017 Aion LED. All Rights Reserved



NAM	Ξ	LOCATION		SPECIFIER	3		
RGBW <sup>4"</sup> LIGHT ENGINE	8924	- RGBW	- WR	Please ir		Ire Leng lengths/ qua	
	POWER LEADS	JUMPER W/ DISCONNECT PLUGS	HARD WIRED JUMPERS				
POWER LEADS	RGBW-A96 White RGBWB-A96 Black RGBW-A Custom	RGBW-BP4 White   RGBW-BP84 Black   RGBW-BP Custom	RGBW-C4 White RGBWB-C4 Black RGBW-C Custom				
	<b>X</b> DMX, 4 CHANNEL	AX5 DMX CONTROLLER	DYNAMIC TUNER MODULE & IOS APP	Notes Refer to Light Engine D Engine Increments. Allow tolerance for wirir Fixtures up to Class 2 n			-
DRIVER	D100-X4	AX5-4	DTM	<b>Custom L</b> Preassem Regulated	.engths bled up to ≤ I by class 2	15 ft. (180 circuit limita neets for ma	in) ations
Dimmer no Electrician nadequate	nt of a complete system including: Aion LED A-Trach ti included. Approved dimmers, controls, power sup installed. Strictly adhere to NEC & local building co e ventilation, field modifications, installation by unque & protocol, general negligence. Installer assumes a	plies, cable, & other components only. Contact Ai de. Limited 5-year warranty against manufacturing alified personnel, unapproved controls, drivers, cal	on LED for questions regarding compatibility. g defects only, does not cover labor; voided by: bling, other devices, not following installation	Fina	l Order Lengt	AIONLED.CO	



# Colors



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



Component of a complete system including: 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: Lectrocal installed of the second binary schede to the second binary outcome of the second binary schede binary outcome of the second binary outcome of the secon Warranty Terms" & additional instructional materials for more information. Authorized installers only. Systems tested prior to shipping.

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

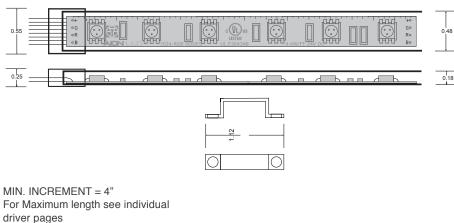
Must be installed in accordance with NEC 410.16 for use in clothing closet spaces





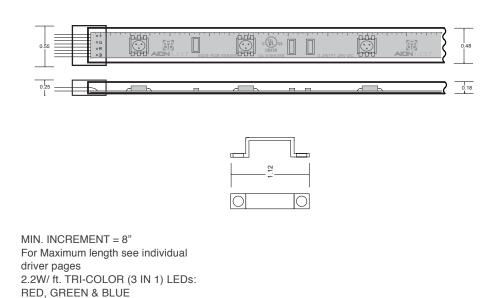
## 7024-RGB-WR

Mid Output Color Tuning



4.4W/ ft. TRI-COLOR (3 IN 1) LEDs: RED, GREEN & BLUE

### 5024-RGB-WR Standard Output Color Tuning





Component of a complete system including: 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.







3-Channel Light Engine

UL Class 2

**IP20 Dry Location** 

Custom Cut to Fit

Input Voltage: 24VDC

50,000 Hour Minimum Lifespan

Requires: Aion LED D100-X3 Driver Aion LED AX5-3 DMX Controller, DTM ART 4 or approved 3rd party controller AND Aion LED AT Series Housing - Sold Separately, Not Included

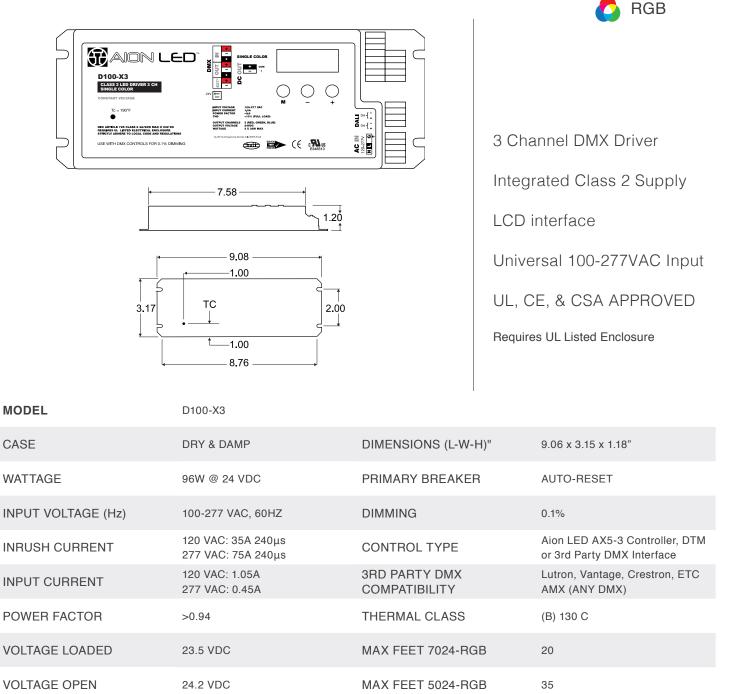


MACADAM

**95** Cri **0.1%** 



## X3 3 Channel DMX Driver

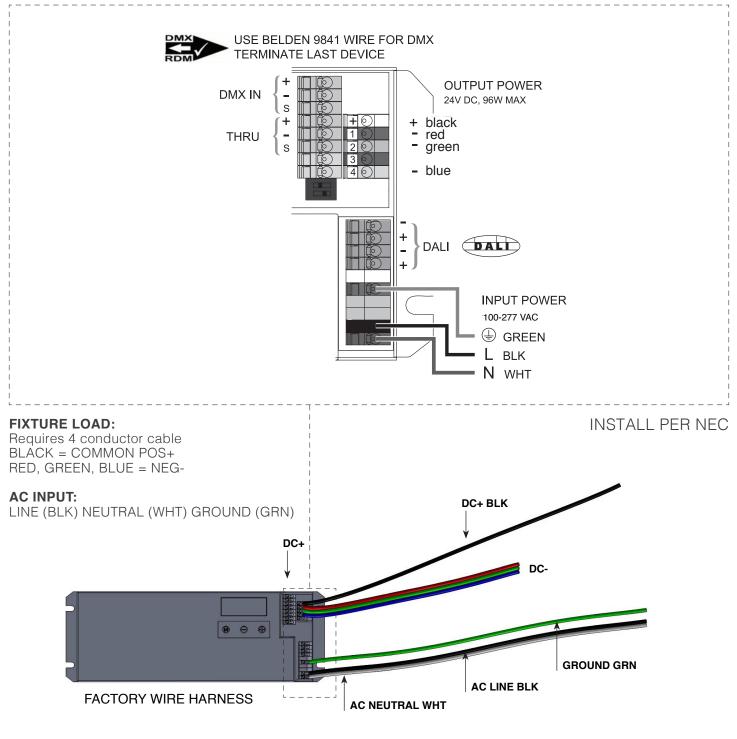


# CEFC PROHS CHARLES





### REQUIRES DMX CONTROLLER & CONTROL WIRE DAISY-CHAIN



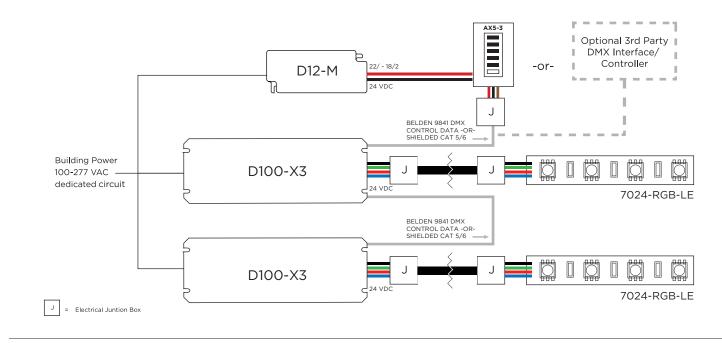








## X3 WIRING DIAGRAM



## INSTALLATION INSTRUCTIONS

- 1. Install per NEC and Local code by qualified personnel
- 2. Requires UL Listed enclosure with adequate ventilation
- 3. Stain-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
- Connect DMX controller to 'DMX in' on first unit with Belden 9841 DMX wire (plus, minus, shield) -or- shielded CAT5

# CEFC PROHS CRAUS

- Daisy chain additional units from 'DMX out' to 'DMX' of following unit with Belden 9841 cable -or- shielded CAT5
- 8. Terminate only the final unit in DMX chain via programming interface
- 9. Each driver is pre-programmed from factory Do not change settings
- 10.Wire fixture to wire harness with wire nuts [R, G, B, DC+ (Black)]





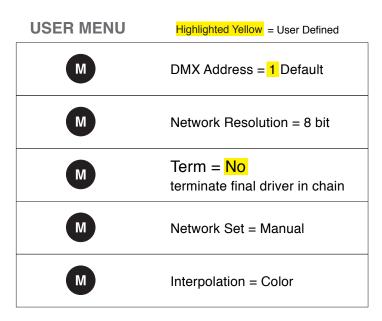
# PROGRAMMING GUIDE







Ensure all wiring is correct and properly terminated **Factory Programmed.** Ships with Default Settings Below

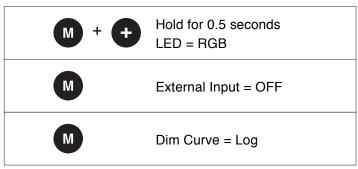


### TO LOCK/ UNLOCK MODE MENU



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

### TO ACCESS OUTPUT MENU



### TO ACCESS MODE MENU



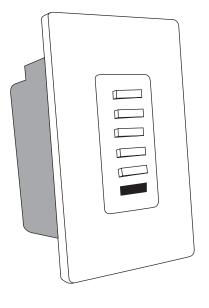
Hold for 3 seconds SET MODE = DMX







### AX5-3 Compact DMX Controller





AX5 ships pre-programmed to factory default settings per application

Standard Decora<sup>™</sup> Mounting

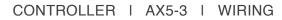
Optional programming software, USB interface & remote control available

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

Requires D12-M-24 Power Supply

MODEL	AX5-3
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

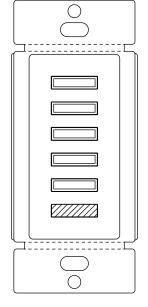






### DEFAULT PROGRAMMING

**95**+ CRI 0.1% 2.57 R9 80+ RGB



Static Colors: Color/ Pastel White RGB Fade: Slow/ Med/ Fast Dim Up

Dim Down

Off

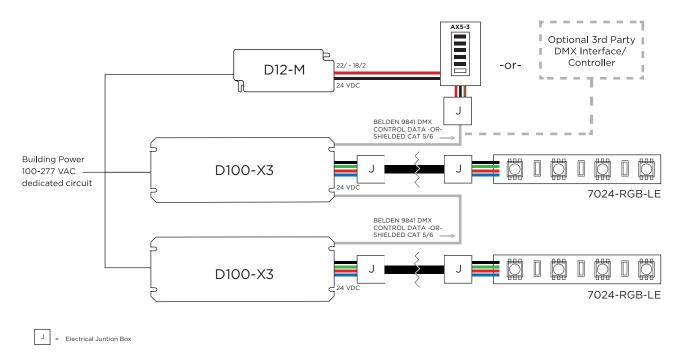
AX5 ships pre-programmed to factory default settings per application

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

Requires D12-M-24 Power Supply

Default programming subject to change without notice

# AX5-3 WIRING DIAGRAM



Component of a complete system including: 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 detects 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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