ST SERIES
Linear Pendant System

Custom Lengths
Pre-assembled: ≤ 8 ft (96 in) per section

End to End Connectability

Made in the USA

See separate installation instructions

Patent Pending

SKY TRACK REQUIRES
- Aion LED Light Engine
- Aion LED Driver
Sold Separately, Not Included

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.
ST SERIES

SkyTrack fixtures are semi custom and made to order. If an additional option or feature is needed, please contact Aion LED to discuss.

<table>
<thead>
<tr>
<th>Lens</th>
<th>Finish</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frosted</td>
<td>White Powder Coat</td>
<td>Standard Length:</td>
</tr>
<tr>
<td>Clear</td>
<td>Black Powder Coat</td>
<td>8’ on Center, Including</td>
</tr>
<tr>
<td>Prismatic</td>
<td>Custom Color</td>
<td>Mounting Brackets*</td>
</tr>
</tbody>
</table>

Custom pre-cut lengths available

<table>
<thead>
<tr>
<th>Leads</th>
<th>Fixture Suspension Kit</th>
<th>Corner</th>
</tr>
</thead>
<tbody>
<tr>
<td>96” Black or White Cable</td>
<td>Sky Track Suspension 8’</td>
<td>12” x 12”</td>
</tr>
<tr>
<td>Custom Lengths Available</td>
<td>1/32” Diameter Aircraft Cable</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Grippers</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Optional Canopies</td>
<td></td>
</tr>
</tbody>
</table>

8’ on center suspension points. 8’ 0.875” overall fixture length including mounting brackets and end caps.
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.
Aion LED lenses are 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, Approved Controller, AT, WT or ST Series Housing - Sold Separately, Not Included

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
Component of a complete system including: Aion LED A'Task Light Engine, Aion LED A'Task housing with diffuse lens, & Aion LED driver (power supply). Driver not included. Approved dimmers, controls, power supplies, cables, & 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, cables, 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.

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, Approved Controller, AT, WT or ST Series Housing -Sold Separately, Not Included

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
### X4
4 Channel DMX Driver

![Diagram of X4 4 Channel DMX Driver](image)

**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.

**DRIVER | X4**

- **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**

#### WATTAGE
96W @ 24 VDC

#### INPUT VOLTAGE (Hz)
100-277 VAC, 60HZ

#### INRUSH CURRENT
120 VAC: 35A 240μs  
277 VAC: 75A 240μs

#### INPUT CURRENT
120 VAC: 1.05A  
277 VAC: 0.45A

#### POWER FACTOR
>0.94

#### VOLTAGE LOADED
23.5 VDC

#### VOLTAGE OPEN
24.2 VDC

<table>
<thead>
<tr>
<th><strong>CASE</strong></th>
<th><strong>DIMENSIONS (L-W-H)</strong>*</th>
<th><strong>WATTAGE</strong></th>
<th><strong>PRIMARY BREAKER</strong></th>
<th><strong>INPUT VOLTAGE (Hz)</strong></th>
<th><strong>INRUSH CURRENT</strong></th>
<th><strong>INPUT CURRENT</strong></th>
<th><strong>POWER FACTOR</strong></th>
<th><strong>VOLTAGE LOADED</strong></th>
<th><strong>VOLTAGE OPEN</strong></th>
</tr>
</thead>
</table>
| **DRY & DAMP** | 9.06 x 3.15 x 1.18" | 96W @ 24 VDC | AUTO-RESET | 100-277 VAC, 60HZ | 120 VAC: 35A 240μs  
277 VAC: 75A 240μs | 120 VAC: 1.05A  
277 VAC: 0.45A | >0.94 | 23.5 VDC | 24.2 VDC |

---

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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.

DMX Signal Requires CAT5/ CAT6 or Belden 9841 Wire

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.
X4 WIRING DIAGRAM

---

**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.
### X4 PROGRAMMING GUIDE

**USER MENU**

<table>
<thead>
<tr>
<th>M</th>
<th>DMX Address = 1 Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>Network Resolution = 8 bit</td>
</tr>
<tr>
<td>M</td>
<td>Term = No</td>
</tr>
<tr>
<td>M</td>
<td>Network Set = Manual</td>
</tr>
<tr>
<td>M</td>
<td>Interpolation = Color</td>
</tr>
</tbody>
</table>

**TO LOCK/UNLOCK MODE MENU**

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

**TO ACCESS OUTPUT MENU**

<table>
<thead>
<tr>
<th>M</th>
<th>Hold for 0.5 seconds</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td>LED = RGBW</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>M</th>
<th>External Input = OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>Dim Curve = Log</td>
</tr>
</tbody>
</table>

**TO ACCESS MODE MENU**

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.

---

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.
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

<table>
<thead>
<tr>
<th>MODEL</th>
<th>AX5-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIMENSIONS (L-W-H)*</td>
<td>1.8 x 1.8 x 4.1&quot;</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>2.9 oz</td>
</tr>
<tr>
<td>POWER</td>
<td>2- POSITION SPRING CLIP TERMINAL</td>
</tr>
<tr>
<td>DMX PORT</td>
<td>3- POSITION REMOVABLE TERMINAL BLOCK</td>
</tr>
<tr>
<td>INPUT</td>
<td>24 VDC</td>
</tr>
</tbody>
</table>

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.
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: 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.

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

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

AX5-4 Wiring Diagram:

1. **D100-X4**
2. **D12-M**
3. **AX5**
4. **Optional 3rd Party DMX Interface/Controller**
5. **8924-RGBW-LE**
6. **8924-RGBW-LE**

**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

**AX5-4 Wiring Details:**

- D12-M: Building Power 100-277 VAC dedicated circuit
- AX5: Optional 3rd Party DMX Interface/Controller
- D100-X4: **8924-RGBW-LE**
- D100-X4: **8924-RGBW-LE**

**BELDEN 9841 DMX CONTROL DATA OR SHIELDED CAT5**

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MODIFIED June 19, 2017
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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### Required Fixture Lengths
Please input fixture lengths/ quantity & configuration types

- **Standard Lengths**
  - Light Engines are cut to minimum increments
  - Track measurements are rounded down and cut to the inch. 1” tolerance

- **Precision Lengths**
  - Light Engines are cut to minimum increments
  - Track is cut to a fraction of an inch. 1/8” tolerance

### Notes
Refer to Light Engine Data Sheets for Light Engine Increments.

Allow tolerance for wiring/ plugs

Fixtures up to Class 2 max. length

Fully assembled up to ≤ 8 ft. (96 in).

Fixtures > 8 ft. (96 in) may require assembly at the job site.

### Signature
Final Order Lengths (Requires Signature)

Budgetary only, requires field verification

---

### ST SERIES | RGBW+ | SYSTEM SPECIFICATION

<table>
<thead>
<tr>
<th>NAME</th>
<th>TYPE</th>
<th>SPECIFIER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ST850</strong></td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>LENS</strong></td>
<td>F</td>
<td>Frosted</td>
</tr>
<tr>
<td></td>
<td>C</td>
<td>Clear</td>
</tr>
<tr>
<td></td>
<td>P</td>
<td>Prismatic</td>
</tr>
<tr>
<td><strong>FINISH</strong></td>
<td>BLK</td>
<td>Black</td>
</tr>
<tr>
<td></td>
<td>WHT</td>
<td>White</td>
</tr>
</tbody>
</table>

| **ST850-C** | CORNER | - | - |
| **LENS** | F | Frosted |
| | C | Clear |
| | P | Prismatic |
| **FINISH** | BLK | Black |
| | WHT | White |

| **8924** | RGBW | LE |

<table>
<thead>
<tr>
<th><strong>LEADS</strong></th>
<th><strong>POWER LEADS</strong></th>
<th><strong>TOTAL SUSPENSION POINTS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>RGBW</td>
<td>White 96”</td>
<td>SK</td>
</tr>
<tr>
<td>RGBW</td>
<td>Black 96”</td>
<td>SK</td>
</tr>
<tr>
<td>RGBW</td>
<td>Custom</td>
<td>SK</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>X</strong></th>
<th>DMX, 4 CHANNEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>AX5</td>
<td>DMX CONTROLLER</td>
</tr>
<tr>
<td>D100-X4</td>
<td></td>
</tr>
<tr>
<td>AX5-4</td>
<td></td>
</tr>
<tr>
<td>D12-M</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>DYNAMIC TUNER</strong></th>
<th><strong>MODULE &amp; IOS APP</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Configuration A</td>
<td>No Keypad</td>
</tr>
<tr>
<td>Configuration B</td>
<td>Aion LED Keypad</td>
</tr>
<tr>
<td>Configuration C</td>
<td>Authorized 3rd Party Control</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>SIGNATURE</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Final Order Lengths (Requires Signature)</td>
</tr>
<tr>
<td>Budgetary only, requires field verification</td>
</tr>
</tbody>
</table>
7024-RGB-LE, 5024-RGB-LE
Color Tuning Fixture

- Violet
- Indigo
- Blue
- Green
- Amber
- Red

UL Class 2
IP20 Dry Location
Custom Cut To Fit
50,000 Hour Minimum Lifespan

Requires: Aion LED Driver, Approved Controller, AT, WT or ST Series Housing - Sold Separately, Not Included

 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

Component of a complete system including: Aion LED A Task Light Engine, Aion LED A Task housing with diffuse 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.
7024-RGB-LE
Mid Output Color Tuning
Min. Increment: 4 in.
Max Increment: 20 ft.
4.4W/ft. Tri-Color (3 in 1) LEDs: Red, Green & Blue

5024-RGB-LE
Standard Output Color Tuning
Min. Increment: 8 in.
Max Increment: 35 ft.
2.2W/ft. Tri-Color (3 in 1) LEDs: Red, Green & Blue

Requires: Aion LED X3 Driver, Aion LED AX5-3 DMX Controller or DTM and AT, WT or ST Series Housing - Sold Separately, Not Included
3 Channel DMX Driver

Integrated Class 2 Supply

LCD interface

Universal 100-277VAC Input

UL, CE, & CSA APPROVED

Requires UL Listed Enclosure

MODEL
D100-X3

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 AX5-3 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 7024-RGB
20

VOLTAGE OPEN
24.2 VDC

MAX FEET 5024-RGB
35
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.

REQUIRES DMX CONTROLLER & CONTROL WIRE DAISY-CHAIN

FIXTURE LOAD:
Requires 4 conductor cable
BLACK = COMMON POS+
RED, GREEN, BLUE = NEG

AC INPUT:
LINE (BLK) NEUTRAL (WHT) GROUND (GRN)

INSTALL PER NEC

AC NEUTRAL WHT
AC LINE BLK
GROUND GRN
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.

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MODIFIED June 19, 2017
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---

**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
6. Connect DMX controller to ‘DMX in’ on first unit with Belden 9841 DMX wire (plus, minus, shield) -or- shielded CAT5
7. 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)]
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.

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**PROGRAMMING GUIDE**

Ensure all wiring is correct and properly terminated

*Factory Programmed.* Ships with Default Settings Below

### 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 ACCESS OUTPUT MENU

- **Hold for 0.5 seconds**
  - LED = RGB
- **M**
  - External Input = OFF
- **M**
  - Dim Curve = Log

### TO LOCK/ UNLOCK MODE MENU

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

### 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™ 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

<table>
<thead>
<tr>
<th>MODEL</th>
<th>AX5-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIMENSIONS (L-W-H)*</td>
<td>1.8 x 1.8 x 4.1&quot;</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>2.9 oz</td>
</tr>
<tr>
<td>POWER</td>
<td>2- POSITION SPRING CLIP TERMINAL</td>
</tr>
<tr>
<td>DMX PORT</td>
<td>3- POSITION REMOVABLE TERMINAL BLOCK</td>
</tr>
<tr>
<td>INPUT</td>
<td>24 VDC</td>
</tr>
</tbody>
</table>

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.
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 defects only, does not cover labor; voided by: 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.