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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.

<table>
<thead>
<tr>
<th>Profile</th>
<th>Lens</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>Frosted</td>
<td>Anodized Silver</td>
</tr>
<tr>
<td>Deep</td>
<td>Clear</td>
<td>Anodized Dark Bronze</td>
</tr>
<tr>
<td>45° Asymmetrical</td>
<td>Prismatic</td>
<td>Custom Color</td>
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<table>
<thead>
<tr>
<th>Mounting</th>
<th>Feed</th>
<th>Length</th>
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<tbody>
<tr>
<td>Mounting Clips</td>
<td>End</td>
<td>Custom pre-cut</td>
</tr>
<tr>
<td>Pivot Mounting Clips</td>
<td>Rear</td>
<td>Field Cuttable</td>
</tr>
<tr>
<td>HD Adhesive backing</td>
<td>Side</td>
<td></td>
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<table>
<thead>
<tr>
<th>Wiring</th>
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<tbody>
<tr>
<td>24” Leads</td>
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<tr>
<td>48” Leads</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Custom length leads</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M/F Disconnect Plugs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color: White/ Black</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Custom Lengths</th>
<th>Tested as suitable for use within clothing closet spaces by ETL/Intertek</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-assembled: ≤ 8 ft. (96 in)</td>
<td>Must be installed in accordance with NEC 410.16 for use in clothing closet spaces</td>
</tr>
<tr>
<td>Assembly Required: &gt; 8 ft. (96 in)</td>
<td>See separate installation instructions Patent Pending - Made in the USA</td>
</tr>
</tbody>
</table>

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 for 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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AT801
Standard Profile

AT802
Deep Profile

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.
AT845
45° Asymmetrical Angle Profile

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
## 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

![Frosted Optics](image)

### Prismatic
- Wider Angle
- High Transmittance
- Mid Range Diffusion

![Prismatic Optics](image)

### Clear
- Wide Angle
- Maximum Transmittance
- Zero Diffusion

Clear lens is recommended for indirect applications.

![Clear Optics](image)
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.

8924-RGBW-LE
High Rendering Color Tuning Fixture

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

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.
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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
**X4**

4 Channel DMX Driver

![Diagram of X4 4 Channel DMX Driver]

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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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.
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.

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.
Programming Guide
D100-X4

USER MENU

DMX Address = **1** Default

Network Resolution = **8** bit

Term = **No**
terminate final driver in chain

Network Set = **Manual**

Interpolation = **Color**

TO LOCK/ UNLOCK MODE MENU

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

TO ACCESS OUTPUT MENU

Hold for 0.5 seconds
LED = **RGBW**

External Input = **OFF**

Dim Curve = **Log**

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.

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AX5-4
Compact DMX Controller

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.

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)&quot;</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>
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Compact DMX Controller

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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

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

Wiring Diagram

AX5-4

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
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Off

Wiring Diagram

AX5-4

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Down: White 55/40/35/30/27/24/22
RGBW Fade: Slow/ Med/ Fast
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Off

Wiring Diagram

AX5-4

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LEADS & PLUGS

RGBW+

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

Fixture Power Lead

<table>
<thead>
<tr>
<th>Fixture Power Lead</th>
<th>White Jacket</th>
<th>Black Jacket</th>
</tr>
</thead>
<tbody>
<tr>
<td>12” Power Lead</td>
<td>RGBW-A12</td>
<td>RGBWB-A12</td>
</tr>
<tr>
<td>24” Power Lead</td>
<td>RGBW-A24</td>
<td>RGBWB-A24</td>
</tr>
<tr>
<td>48” Power Lead</td>
<td>RGBW-A48</td>
<td>RGBWB-A48</td>
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</tbody>
</table>

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

<table>
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<tr>
<th>Hard Wire Jumper</th>
<th>White Jacket</th>
<th>Black Jacket</th>
</tr>
</thead>
<tbody>
<tr>
<td>4” Hard Wire Jumper</td>
<td>RGBW-C4</td>
<td>RGBWB-C4</td>
</tr>
<tr>
<td>12” Hard Wire Jumper</td>
<td>RGBW-C12</td>
<td>RGBWB-C12</td>
</tr>
<tr>
<td>24” Hard Wire Jumper</td>
<td>RGBW-C24</td>
<td>RGBWB-C24</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>5 Pin Jumper w/ Disconnect</th>
<th>White Jacket</th>
<th>Black Jacket</th>
</tr>
</thead>
<tbody>
<tr>
<td>4” Jumper with Disconnect</td>
<td>RGBW-BP4</td>
<td>RGBWB-BP4</td>
</tr>
<tr>
<td>12” Jumper with Disconnect</td>
<td>RGBW-BP12</td>
<td>RGBWB-BP12</td>
</tr>
<tr>
<td>24” Jumper with Disconnect</td>
<td>RGBW-BP24</td>
<td>RGBWB-BP24</td>
</tr>
<tr>
<td>48” Jumper with Disconnect</td>
<td>RGBW-BP48</td>
<td>RGBWB-BP48</td>
</tr>
</tbody>
</table>

Patch Cord - Optional, to Extend Length

<table>
<thead>
<tr>
<th>Patch Cord</th>
<th>White Jacket</th>
<th>Black Jacket</th>
</tr>
</thead>
<tbody>
<tr>
<td>24” M to F Extension Cord</td>
<td>BP-5FM24</td>
<td>BPB-5FM24</td>
</tr>
<tr>
<td>48” M to F Extension Cord</td>
<td>BP-5FM48</td>
<td>BPB-5FM48</td>
</tr>
<tr>
<td>96” M to F Extension Cord</td>
<td>BP-5FM96</td>
<td>BPB-5FM96</td>
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### CONFIGURATION TYPES

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<thead>
<tr>
<th>Configuration</th>
<th>Compatibility</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONFIGURATION 1</td>
<td>Default, Unless Otherwise Noted</td>
<td>Power Lead to Fixture</td>
</tr>
<tr>
<td>CONFIGURATION 2</td>
<td>Not Compatible with Track</td>
<td>Power Lead to Fixture with End Lead</td>
</tr>
<tr>
<td>CONFIGURATION 3</td>
<td>Not Compatible with Track</td>
<td>Power Lead to Fixture with End Plug</td>
</tr>
<tr>
<td>CONFIGURATION 4</td>
<td>Not Compatible with Track</td>
<td>Power Plug to Fixture with End Plug</td>
</tr>
<tr>
<td>CONFIGURATION 5</td>
<td>Not Compatible with Track</td>
<td>Power Plug to Fixture</td>
</tr>
<tr>
<td>CONFIGURATION 6</td>
<td>Not Compatible with Track</td>
<td>Power Lead to Fixture with Jumper to Next Fixture</td>
</tr>
<tr>
<td>CONFIGURATION 7</td>
<td>Not Compatible with Track</td>
<td>Jumper to Fixture with Jumper to Next Fixture</td>
</tr>
<tr>
<td>CONFIGURATION 8</td>
<td>Not Compatible with Track</td>
<td>Jumper to Fixture</td>
</tr>
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**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.

**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

**ZONE**

<table>
<thead>
<tr>
<th>LENGTH</th>
<th>QUANTITY</th>
<th>CONFIGURATION TYPE</th>
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**LEADS**

- **POWER LEADS**
  - White
  - Black
  - Custom

- **JUMPER W/ DISCONNECT PLUGS**
  - White
  - Black

- **HARD WIRED JUMPERS**
  - White
  - Black

**REFERENCES LEADS & PLUGS CONFIGURATION TYPES PAGE**

**DRIVER**

- **DMX, 4 CHANNEL**
  - D100-X4

- **DMX CONTROLLER**
  - AX5-4
  - D12-M

- **DYNAMIC TUNER**
  - MODULE & IOS APP
    - Configuration A
      - No Keypad
    - Configuration B
      - Aion LED Keypad
    - Configuration C
      - Authorized 3rd Party Control

**SIGNATURE**

- Final Order Lengths (Requires Signature)
- Budgetary only, requires field verification

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