WR Type
IP67 Wet Rated Flexible Linear

Custom Lengths
Preassembled up to ≤ 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

Select Output & Color Temperature

Determine required lengths

Includes
#WR-MK Mounting Clips & Screws

Compatible With
#WR-MT Mounting Tape (Indoor, Sealed Surfaces)
-Or-
Clear Silicone (Outdoor, Porous Surfaces)

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-CT3022-WR
High Rendering, Dynamic Warm White
Wet Rated Fixture

22 2150K • 95+ CRI
24 2350K • 95+ CRI
27 2650K • 95+ CRI
30 2950K • 95+ CRI

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

90+ CRI
UL Class 2
IP67 Wet Location
Custom Cut to Fit, Field Trimmmable
50,000 Hour Min. Lifespan

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, 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 control, drives, 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-CT3022-WR

High Rendering, Dynamic Warm White Wet Rated Fixture

<table>
<thead>
<tr>
<th>@2150K</th>
<th>@2950K</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Lumens</strong></td>
<td>126.64</td>
</tr>
<tr>
<td><strong>Input Power</strong></td>
<td>2.26 W</td>
</tr>
<tr>
<td><strong>Efficacy</strong></td>
<td>56.80</td>
</tr>
<tr>
<td><strong>Color Rendering Index</strong></td>
<td>94+ CRI</td>
</tr>
<tr>
<td><strong>R9</strong></td>
<td>71.30</td>
</tr>
<tr>
<td><strong>Input Voltage (VDC)</strong></td>
<td>24.00</td>
</tr>
<tr>
<td><strong>Input Current (Amp)</strong></td>
<td>0.09</td>
</tr>
<tr>
<td><strong>Correlated Color Temperature</strong></td>
<td>2150K</td>
</tr>
</tbody>
</table>

**REQUIRES D100-X2 DRIVER and DMX CONTROLLER**

Sold Separately, Not Included

2 Channel Fixture:
- CH 1: 3000K ~ 2.8W/ft.
- CH 2: 2150K ~ 2.8W/ft.

Max. Increment:
- 30 ft. when utilizing Aion LED Dynamic Tuner Module

Min. Increment:
- 2 in.

DimPlant / 74.59 mm / 0.75" / 0.22" / 0.64" / 0.18" / 1.56" / 4.00" / 0.22"
**X2**
DMX, 2 CHANNEL

- **2 Channel DMX Driver**
- Factory Programmed for Dim to Glow
- Factory Wire Harness for Ease of Installation
- Integrated Class 2 Supply
- LCD interface
- Universal 100-277VAC Input
- UL, CE, & CSA APPROVED
- Requires UL Listed Enclosure
- Default Address 1

---

**MODEL**
D100-X2

**DIMENSIONS (L-W-H)**
9.06 x 3.15 x 1.18"

**CASE**
DRY & DAMP

**PRIMARY BREAKER**
AUTO-RESET

**WATTAGE**
96W @ 24 VDC

**DIMMING**
0.1%

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

**CONTROL TYPE**
Aion LED AX5-2 Controller, DTM or 3rd Party DMX Interface

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

**3RD PARTY DMX COMPATIBILITY**
Lutron, Vantage, Crestron, ETC AMX (ANY DMX)

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

**THERMAL CLASS**
(B) 130 C

**POWER FACTOR**
>0.94

**MAX FEET 8924-CT3022**
30 ft. (Max 48W/ Channel)

**VOLTAGE LOADED**
23.5 VDC

**MAX FEET 1524-CT3022**
30 ft. (Max 48W/ Channel)

**VOLTAGE OPEN**
24.2 VDC

**MAX FEET 6524-CT3022**
8 ft. (Max 48W/ Channel)

---

Requires, Sold Separately: Aion LED DTM

---

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 adheres 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.
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.

INSTALL PER NEC

Requires:
DMX Controller & Control Wire Daisy-Chain

Each Fixture Requires:
(1) Black Conductor
(1) White
(1) Yellow

Outputs:
Black= COMMON POS+
White= NEG-
Yellow= NEG-

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

Max Run
(Dictated by Programming)
Max 48W per Channel

DMX Signal Requires CAT5/ CAT6 or Belden 9841 Wire
**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 [White, Yellow, 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-X2

**USER MENU**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>M</strong></td>
<td>DMX Address = 1 Default</td>
</tr>
<tr>
<td><strong>M</strong></td>
<td>Network Resolution = 8 bit</td>
</tr>
<tr>
<td><strong>M</strong></td>
<td>Term = No terminate final driver in chain</td>
</tr>
<tr>
<td><strong>M</strong></td>
<td>Network Set = Manual</td>
</tr>
<tr>
<td><strong>M</strong></td>
<td>Interpolation = White</td>
</tr>
</tbody>
</table>

**TO LOCK/UNLOCK MODE MENU**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>M</strong> +</td>
<td>Hold for 3 seconds, then select (+) or (-) to lock or unlock</td>
</tr>
</tbody>
</table>

**TO ACCESS OUTPUT MENU**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>M</strong> +</td>
<td>Hold for 0.5 seconds LED = 2 - 4 L</td>
</tr>
<tr>
<td><strong>M</strong></td>
<td>External Input = OFF</td>
</tr>
<tr>
<td><strong>M</strong></td>
<td>Dim Curve = Log</td>
</tr>
</tbody>
</table>

**TO ACCESS MODE MENU**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>M</strong></td>
<td>Hold for 3 seconds SET MODE = DMX</td>
</tr>
<tr>
<td><strong>—</strong> +</td>
<td>SET MODE = DMX, DALI, SHOW</td>
</tr>
<tr>
<td><strong>M</strong></td>
<td>Select M to Select</td>
</tr>
</tbody>
</table>

Can operate Aion LED X Series with DMX or DALI controls. DMX as default. To change to DALI, follow appropriate steps on page 2 of programming guide.

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.

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.
## Programming Guide

### DALI

Press M to view the number of ballasts connected (Channels per fixture). Address is set by DALI Control (or via LED type set in DMX menu.)

Press M again to view address (ADDR SET) or if one has not been set (NO ADDR)

Press M again to exit configuration and turn off display

---

In DALI mode, fixtures are addressed through the DALI controller

---

### SHOW

Press M and (+) or (-) to select a different SHOW sequence (1-20)

Press M again and (+) or (-) to change the speed (SPD) of the selected show sequence (-99 through 99)

- -99 Twice as Slow
- 0 Sequence's Default
- 99 Twice as Fast

Press M again and (+) or (-) to change the intensity (INT) of the selected show sequence (0 through 255)

- 0 Off
- 255 Full On

Press M again to exit configuration and turn off display

---

SHOW mode is intended to pretest fixtures prior to controls installation. Return to DMX or DALI mode after testing.
AX5-2
Compact DMX Controller

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

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>AX5-2</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: 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.

DEFAULT PROGRAMMING

Up: 2150K @ 0.1% - 2950K @ 100%
Down: 2950K @ 100% - 2150K @ 0.1%, Off
Scene: 2150K - 2700K - 2950K @ 100%
Demo
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

AX5-2 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 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

**Low-Voltage Class 2/3 Power Cable**
**Dynamic White System**

### 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&quot; power lead</td>
<td>CT-A12</td>
<td>CTB-A12</td>
</tr>
<tr>
<td>24&quot; power lead</td>
<td>CT-A24</td>
<td>CTB-A24</td>
</tr>
<tr>
<td>48&quot; power lead</td>
<td>CT-A48</td>
<td>CTB-A48</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>HARD WIRED JUMPER</th>
<th>WHITE JACKET</th>
<th>BLACK JACKET</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; Hard Wired Jumper</td>
<td>CT-C4</td>
<td>CTB-C4</td>
</tr>
<tr>
<td>12&quot; Hard Wired Jumper</td>
<td>CT-C12</td>
<td>CTB-C12</td>
</tr>
<tr>
<td>24&quot; Hard Wired Jumper</td>
<td>CT-C24</td>
<td>CTB-C24</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>3 PIN JUMPER w/ disconnect</th>
<th>WHITE JACKET</th>
<th>BLACK JACKET</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; Jumper with Disconnect</td>
<td>CT-BP4</td>
<td>CT-BPB4</td>
</tr>
<tr>
<td>12&quot; Jumper with Disconnect</td>
<td>CT-BP12</td>
<td>CT-BPB12</td>
</tr>
<tr>
<td>24&quot; Jumper with Disconnect</td>
<td>CT-BP24</td>
<td>CT-BPB24</td>
</tr>
<tr>
<td>48&quot; Jumper with Disconnect</td>
<td>CT-BP48</td>
<td>CT-BPB48</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&quot; M to F Extension Cord</td>
<td>BP-5FM24</td>
<td>BPB-5FM24</td>
</tr>
<tr>
<td>48&quot; M to F Extension Cord</td>
<td>BP-5FM48</td>
<td>BPB-5FM48</td>
</tr>
<tr>
<td>96&quot; M to F Extension Cord</td>
<td>BP-5FM96</td>
<td>BPB-5FM96</td>
</tr>
</tbody>
</table>

Black standard for dark bronze housings
White standard for silver housings

---

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.

UL Approved
UV Rated
Indoor/Outdoor

© 2017 Aion LED. All Rights Reserved

AIONLED.COM | (415) 255-AION
MODIFIED June 19, 2017
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.

POWER LEADS & PLUGS CONFIGURATION

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)
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.

---

### Required Fixture Lengths

Please input fixture lengths/ quantity & configuration types

<table>
<thead>
<tr>
<th>ZONE</th>
<th>LENGTH</th>
<th>QUANTITY</th>
<th>CONFIGURATION TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Notes

Refer to Light Engine Data Sheets for Light Engine Increments. Allow tolerance for wiring/plugs. Fixtures up to Class 2 max. length.

### Custom Lengths

Preassembled up to ≤ 16 ft. (192 in) Regulated by class 2 circuit limitations. Refer to X2 data sheet for max lengths.

---

### Signature (Required if Final Lengths)

- [ ]  Final Order Lengths*
- [ ]  Budgetary only, requires field verification

---

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.