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.

**X1**
**DMX, 1 CHANNEL**

1 Channel DMX Driver
Factory Programmed
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

<table>
<thead>
<tr>
<th>MODEL</th>
<th>D100-X1</th>
<th>DIMENSIONS (L-W-H)&quot;</th>
<th>9.06 x 3.15 x 1.18&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>CASE</td>
<td>DRY &amp; DAMP</td>
<td>PRIMARY BREAKER</td>
<td>AUTO-RESET</td>
</tr>
<tr>
<td>WATTAGE</td>
<td>96W @ 24 VDC</td>
<td>DIMMING</td>
<td>0.1%</td>
</tr>
<tr>
<td>INPUT VOLTAGE (Hz)</td>
<td>100-277 VAC, 60HZ</td>
<td>CONTROL TYPE</td>
<td>Aion LED AX5-1 Controller, DTM or 3rd Party Interface</td>
</tr>
</tbody>
</table>
| INRUSH CURRENT | 120 VAC: 35A 240μs
277 VAC: 75A 240μs | 3RD PARTY DMX COMPLIANCE | 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 3000 SERIES | 60 ft. |
| VOLTAGE LOADED | 23.5 VDC | MAX FEET 4000 SERIES | 30 ft. |
| VOLTAGE OPEN | 24.2 VDC | MAX FEET 8000 SERIES | 15 ft. |
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DMX Signal Requires CAT5/ CAT6 or Belden 9841 Wire

INSTALL PER NEC

Requires:
DMX Controller & Control Wire Daisy Chain

Fixture Load:
Requires 2 Conductor Cable
Black = Common POS +
White = NEG -

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

Max Runs:
3000 Series: 60 ft.
4000 Series: 30 ft.
8000 Series: 15 ft.

INPUT POWER
100-277 VAC

OUTPUT POWER
24V DC, 96W MAX

BLACK
WHITE

GREEN
L BLK
N WHT

FACTORY WIRE HARNESS

DC+ BLK

DC-

GROUND GRN

AC LINE BLK

AC NEUTRAL WHT
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
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. Wire fixture to wire harness with wire nuts [White, 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-X1

USER MENU

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

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 = 1 - 4 L
- 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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