

AQUA DRIVER 400™

ACCLAIM
LIGHTING

PROJECT

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Aqua Driver 400™ is a constant current dimming driver for 24VDC-based fixtures, including the Aqua Drum and Aqua Graze ranges. Smooth dimming is provided for up to eight RGBW/A, Dynamic White or Fixed White fixtures under DMX control. Additionally, static colors and adjustable chases can be configured when independent operation is required.

The internal auto-switching power supply can operate from mains inputs ranging from 100-277VAC, 50/60Hz and a full 400W output can be supplied across the eight ports.

The powder-coated aluminum casing is rated to IP20 for dry locations and its base has four slotted holes for secure mounting.

AT A GLANCE

Power

100 to 277VAC
50/60Hz
400W output

Temperature

0° F to 158° F
-20° C to 70° C

Protection

Ingress: **IP20**
Impact: **IK06**

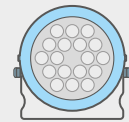
Control



DMX

Supported fixtures

Aqua Drum
HO, SO and EO



x8

Aqua Graze
1' and 4'



ORDER CODE

ADR400



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Specifications subject to change without notice / June 2023

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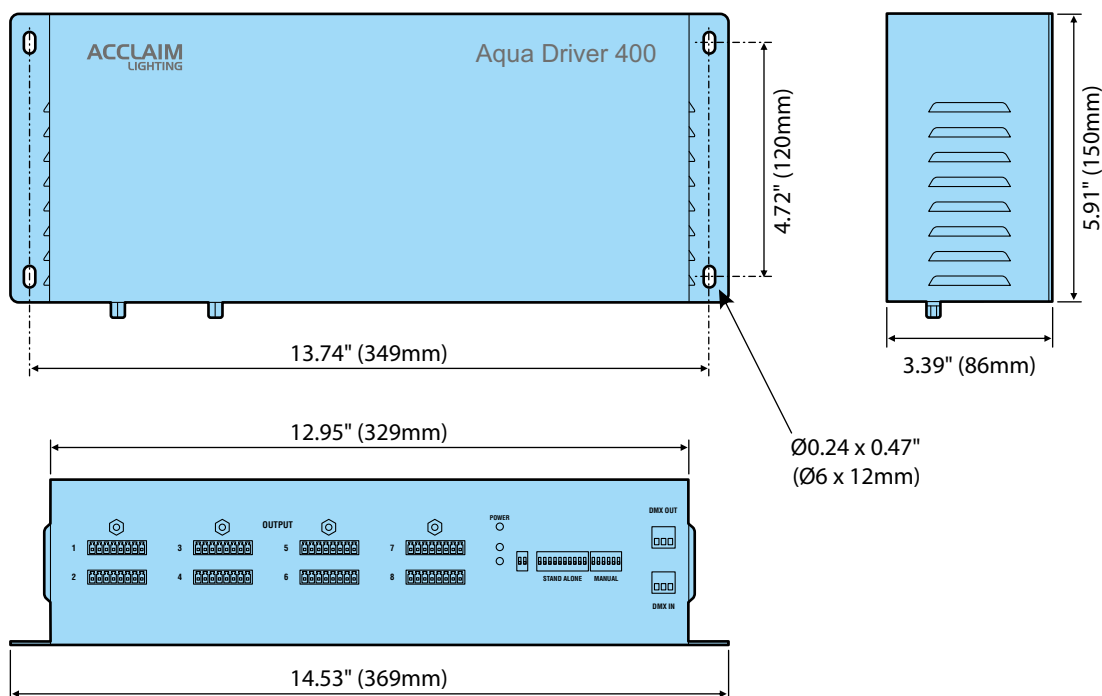
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SPECIFICATIONS

Operating voltage	100-277VAC, 50/60Hz
Control	0-100% dimming via wired DMX (terminal block connections) Standalone static dimming or chases selectable via switch settings
Output	24VDC, constant current at either 350mA (for EO, SO & 1' fixtures) or 700mA (for HO & 4' fixtures)
Output connectors	Eight separate ports with a single 8-way terminal block per port
Mounting	4 x mounting slots Ø0.24" x 0.47" (Ø6 x 12mm) - see below
Material	Aluminum
Finish	Black powder coat
Ambient temperature range	0° F to 158° F (-20° C to 70° C)
Ingress protection	IP20, dry location
Impact protection	IK06, protection against 1 joule impact (40cm distance)
Warranty	5 years, limited
Weight	4.4 lbs (1.99 kg)
Dimensions	WxHxD: 14.53" x 3.39" x 5.91" (369 x 86 x 150mm) - see below
Certifications	  

DIMENSIONS

SCAN
FOR
PRODUCT
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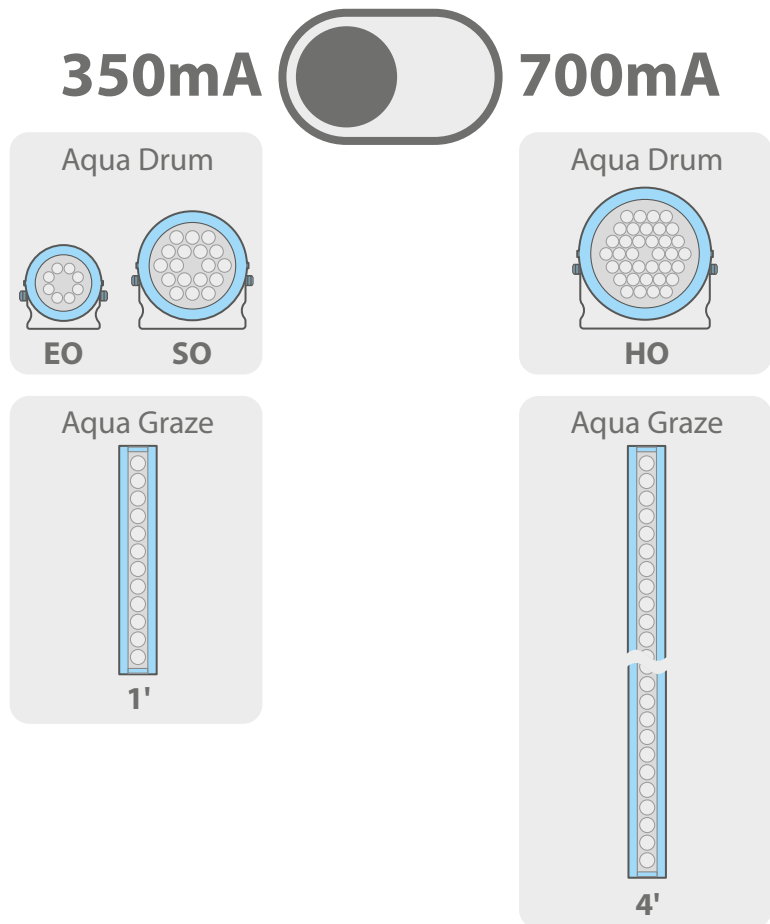
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DRIVE CURRENTS AND COLOR MIXING

The Aqua Driver 400 can be switched between drive currents of either 350mA or 700mA for **all** of the fixtures attached to it. This means the following mixes can be supported:

- Up to **eight 350mA** fixtures: Aqua Drum EO
Aqua Drum SO
Aqua Graze 1'
- or**
- Up to **eight 700mA** fixtures: Aqua Drum HO
Aqua Graze 4'

It is not possible to mix low and high current fixtures on the same driver.



Mixing white, dynamic white and color heads

Independently of the supply current settings discussed above, the Aqua Driver 400 uses switch settings to determine whether the attached heads (Aqua Drum or Aqua Graze) have fixed white, dynamic white or color mixing emitters. The chosen setting is applied to all ports of the driver. However, the electrical characteristics of the ports do not change, only their logical addressing configuration. Therefore, if necessary, it is possible to integrate white heads into a driver configured for color mixing.

When a white model is attached to a driver running in color mixing mode, the various white emitter circuits of the head will respond individually to the equivalent RGBW/A DMX channel addresses. This behavior can be accommodated by grouping those channels together at the DMX controller.

Note: The restriction on not mixing HO/4' heads (whether white or color mixing) with EO/SO/1' heads still remains.



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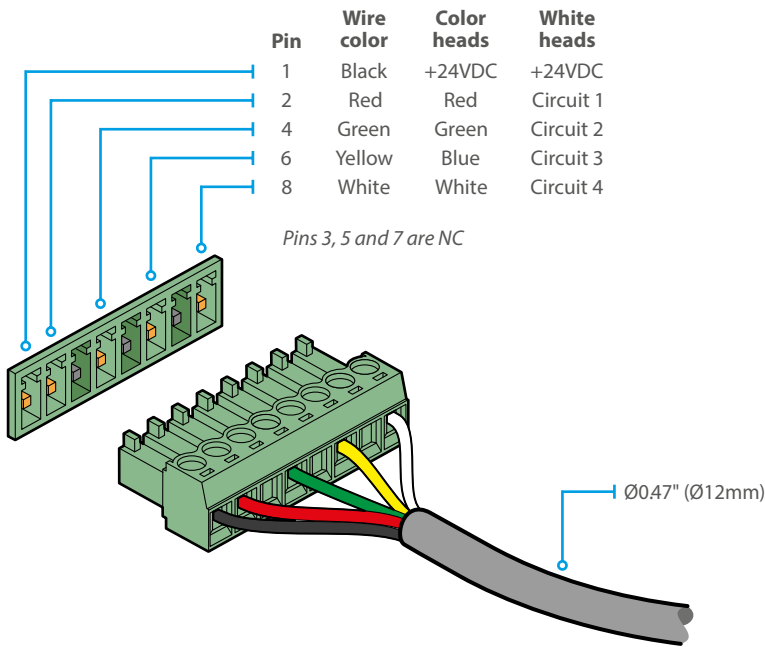
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PORT CABLING

Cable pinout

Aqua Drum and Aqua Graze heads all use cables with five wires connected to an 8-way terminal block:



For full installation details, please refer to the **user guide**, available for free download here:


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