

PROJECT _____ FIRM _____ ORDER # _____ TYPE _____ QTY _____



Aqua Driver 150™ 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 four RGBW/A or single-color 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 150W output can be supplied across the four 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

<p>Power</p> <p>100 to 277VAC 50/60Hz 150W output</p>	<p>Temperature</p> <p>0° F to 158° F -20° C to 70° C</p>	<p>Protection</p> <p>Ingress: IP20 Impact: IK06</p>	<p>Control</p> <p>DMX</p>	<p>Supported fixtures</p> <p>Aqua Drum HO, SO and EO x4</p> <p>Aqua Graze 1' and 4'</p>
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ORDER CODE

ADR157

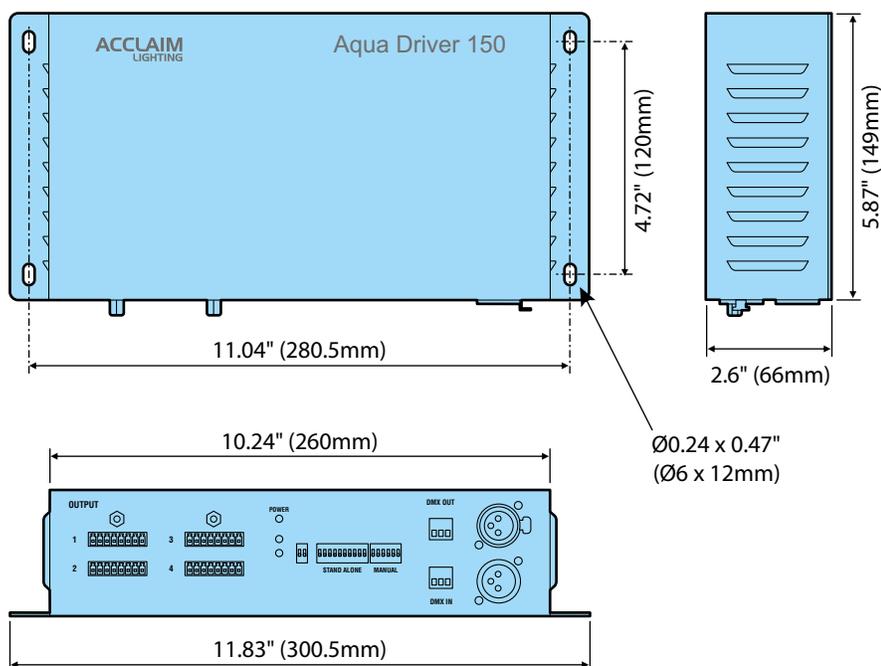


PROJECT FIRM ORDER # TYPE QTY

SPECIFICATIONS

Operating voltage	100-277VAC, 50/60Hz
Control	0-100% dimming via wired DMX (terminal block and XLR 3-pin 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	Four 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	2.6 lbs (1.18 kg)
Dimensions	WxHxD: 11.83" x 2.6" x 5.87" (300.5 x 66 x 149mm) - see below
Certifications	  

DIMENSIONS



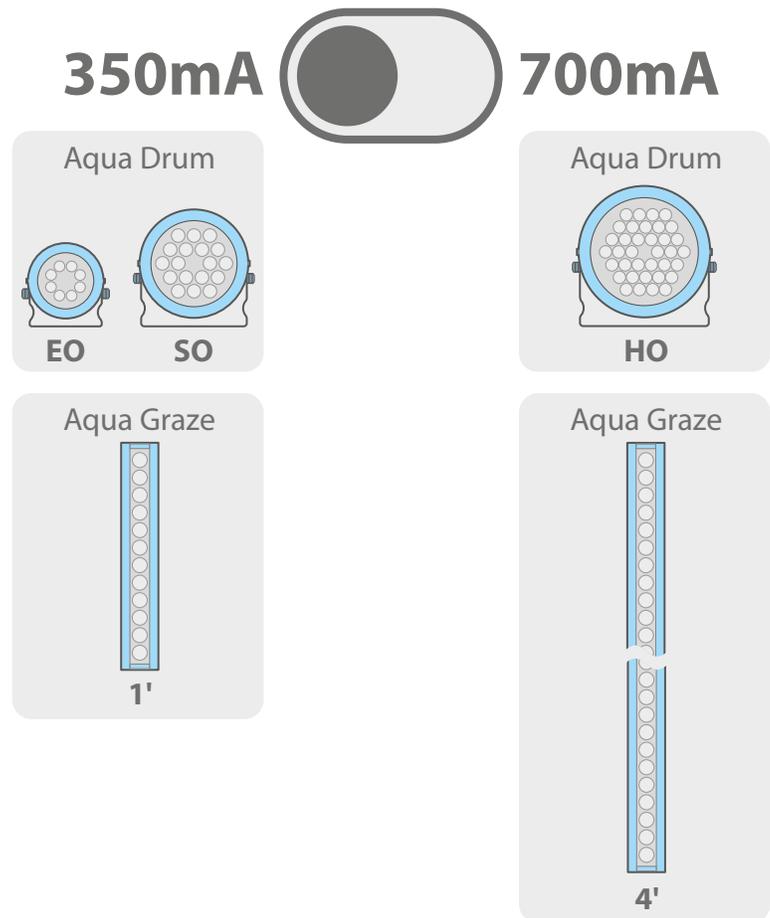
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DRIVE CURRENTS AND COLOR MIXING

The Aqua Driver 150 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 **four 350mA** fixtures: Aqua Drum EO
Aqua Drum SO
Aqua Graze 1'
- or**
- Up to **four 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 and color heads

Independently of the supply current settings discussed above, the Aqua Driver 150 uses switch settings to determine whether the attached heads (Aqua Drum or Aqua Graze) have fixed 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 fixed white heads into a driver configured for color mixing.

When a fixed 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 fixed white or color mixing) with EO/SO/1' heads still remains.



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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:

