PRODUCT BROCHURE 2019/20

D-D
The Aquarium Solution
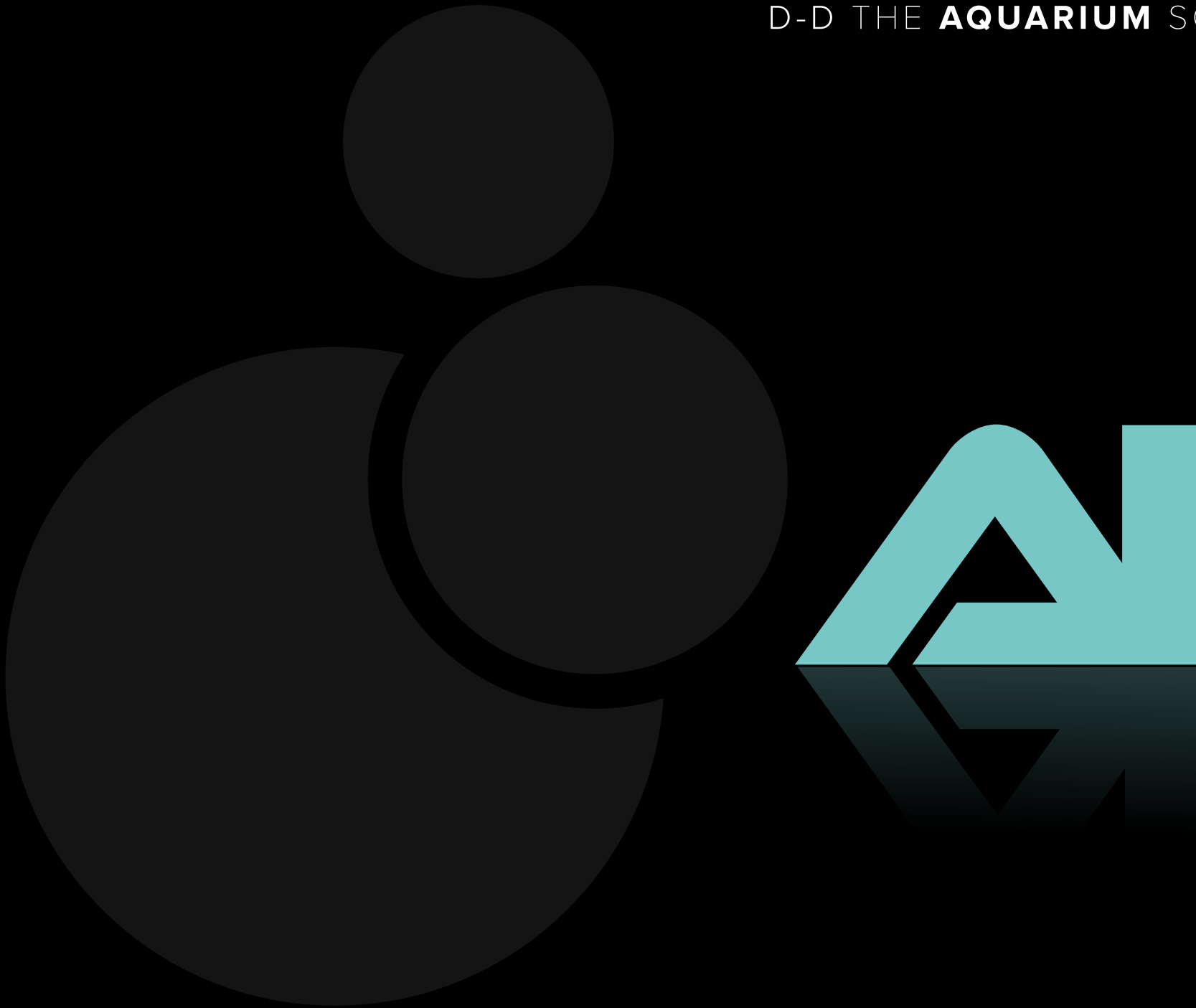
HOW DO YOU MAKE THE MOST POPULAR AQUARIUM LIGHT EVEN BETTER?

By introducing the HYDRA 64HD, HYDRA 32HD and PRIME 16HD, with even more LED's better colour mixing, wider spread, more colour, more compact, more water resistant, and more refined, all without sacrificing anything that made the 52HD, 26HD and PRIME HD great.

Aquaillumination has always listened to the feedback from hobbyist, retailers and aquaculture facilities. As time goes on, they continue to shape their lighting products to meet and exceed the expectations of the community, for better performance, greater reliability and improved ease of use, understanding that to be your first choice for aquarium lighting they must always be delivering the best value in performance, features and support.

Improved features
- More LEDS
- More PAR
- More Spread
- Improved Optic Design
- Improved Water Resistance
- Thinner Profile
- Dedicated Moonlight Channel
- Wider Spectrum (channels)
- Easier and Faster to Connect to MyAi app

Redesigning the plastics in the Prime and Hydra line-up has resulted in two major benefits: greater efficiency and better aesthetics. Efficiency improvements reduce the demands for active cooling resulting in longer component life, and by reducing the profile depth has enhanced the presence of the light over the aquarium.

Water resistance is a major benefit in aquarium lighting - and while the new Prime and Hydras are not waterproof, design improvements should make them more resilient to accidental splashing and environmental moisture.

Output in terms of PAR, color mixing and spread are all improved with the new fixtures.

The incorporation of more LEDS results in a more complete full spectrum and TIR lenses which shape the light to its most efficient and effective result in both more colour POP as well as a slightly wider output area. LED placement and lens geometry blend the light from the clusters so that colour separation is further reduced.

A dedicated moonlight LED and channel has been added in the new Prime 16HD, Prime Freshwater, Hydra 32HD and Hydra 64HD fixtures. This allows for independent moonlighting programmes that will deliver the desired aesthetic without needing to be a part of your primary schedule or risking over exposure for your livestock.

HYPERDRIVE™ TECHNOLOGY

When Hyperdrive™ HD Technology was introduce with the previous generation of AI lights it revolutionised the way that the LED colours could be controlled, bringing more power and colour where you want it for your corals and fishes, plus the freedom to use your smartphone or mobile device as a controller.

This unique innovation in aquarium lighting still leads the way and allows you to direct power from the LED colours you have turned down to use with the colours you want to turn up, providing you with access to the maximum power output of your light, regardless of your choice of spectrum and creating the most vivid colours in your tank you have ever seen.

By coupling HD technology with the latest TIR colour blending lenses we can direct all of the light into the aquarium, exactly where it is needed, providing optimum PAR with minimal light loss or annoying glare for the observer.

..... Brilliantly Simple and Brighter than Bright.

SIMPLE BUILT-IN CONTROL

Control on the lights will use the existing myAi app which is free, simple and very quick to program offering onsite direct BLE connection through your smart mobile device.

Additional control options may become available for the new generation Prime and Hydras over time.
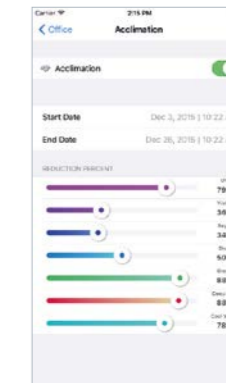

Schedule Mode
Our intuitive schedule mode is so easy to program you'll have plenty of time for more important tasks, like enjoying your corals.

Acclimation
Installing new equipment can be stressful for your livestock. Acclimation mode provides the gentle transition they need to adapt and thrive.

Easy Setup
Want an even easier way to program your lights? We've got you covered. Our Easy Setup wizard is a breeze.
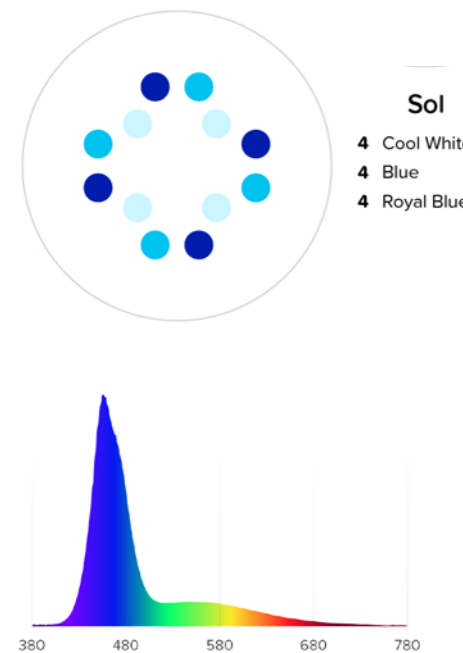
Manual Mode: Kelvin
Set your lights to the exact colour temperature your corals need with our handy Kelvin wheel. Then set the intensity with the inner wheel.

PRIME SOL

Sol
4 Cool White
4 Blue
**4** Royal Blue

Back to the Future

The **Prime SOL** is both a nod to the heritage of the Aquaillumination brand's first LED fixture and also a response to those looking for a no frills coral growing solution. By sacrificing some of the aesthetic appeal delivered by modern wide spectrum fixtures – the hobbyist can save money as fewer channels means less cost.

At **55W** this light is perfect for tanks up to 20 x 20 inches or can be used in multiples on medium aquariums.

CODE	DESCRIPTION
HYD16SOLW	AI PRIME HD LED LIGHT WHITE

PRIME 16HD

Reef
4 Cool White
4 Blue
4 Royal Blue
1 Photo Red
1 Green
1 Violet
1 UV
1 Moonlight
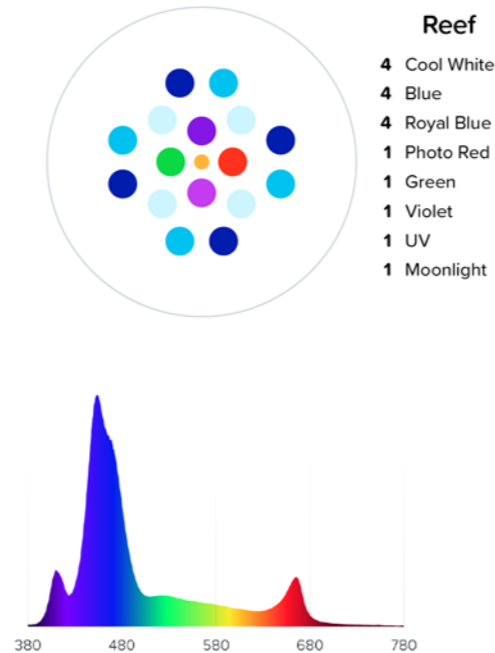
A huge light in a small package

The New AI Prime 16 shares the same full spectrum cluster and features as the Hydra 32 and Hydra 64, as a result the new Prime will be called **Prime 16HD** as the new cluster incorporates 16 LEDs (+1 Moonlight) and the new TIR optic.

At **55W** this small but powerful light is perfect for tanks up to 20 x 20 inches or can be used in multiples on medium aquariums.

CODE	DESCRIPTION
HYD16HDW	AI PRIME 16HD LED LIGHT WHITE
HYD16HDB	AI PRIME 16HD LED LIGHT BLACK

PRIME FUGE

Fuge
6 Photo Red
4 Red
2 Cool White
2 Violet

Refugium Redefined.

The **Prime Fuge** is the ultimate refugium light and has been perfected following years of research and development in the horticulture industry.

The output of the Prime Fuge is optimized to put all of its power towards growing algae, and grow it fast.

CODE	DESCRIPTION
HYD16FUB	AI PRIME FUGE REFUGIUM LED LIGHT BLACK

PRIME FRESHWATER

Freshwater
6 Cool White
4 Warm White
2 Blue
1 Photo Red
1 Green
1 Moonlight

The Prime Freshwater is the perfect light for your planted tanks.

With a spread of 24 x 24 inches, the AI **Prime Freshwater** has more than enough power for the most professional planted tank enthusiast and will grow your plants, highlighting the colours of your fish like never seen before.

Drawing a maximum of **55 watts** from the wall, it follows in the family's efficient footsteps.

CODE	DESCRIPTION
HYD16FWW	AI PRIME FRESHWATER LED LIGHT WHITE
HYD16FWB	AI PRIME FRESHWATER LED LIGHT BLACK

HYDRA 32HD

Reef

4	Cool White
4	Blue
4	Royal Blue
1	Photo Red
1	Green
1	Violet
1	UV
1	Moonlight
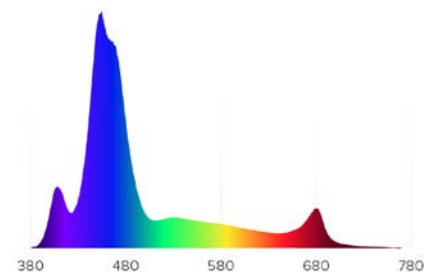
The Hydra 32HD is now sleeker, thinner and continues to build on Aqualllumination's proven record for manufacturing world-class aquarium LED lighting. This model brings an increased level of control and performance for lights in its class and with a maximum of 90W, offers high power whilst following in the family's footsteps for energy efficiency.

The spread from this light is perfect for up to 24 x 24 inch aquariums or can be used in multiples on larger systems.
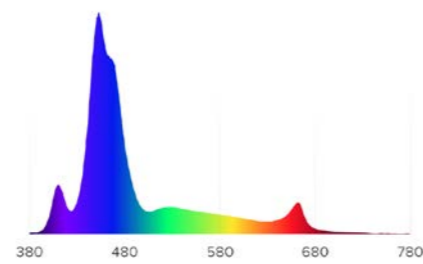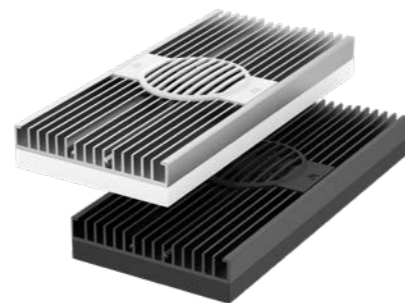
CODE	DESCRIPTION
HYD32HDW	AI HYDRA 32HD LED LIGHT WHITE/SILVER
HYD32HDB	AI HYDRA 32HD LED LIGHT BLACK

HYDRA 64HD

Reef

4	Cool White
4	Blue
4	Royal Blue
1	Photo Red
1	Green
1	Violet
1	UV
1	Moonlight

At 135W the Hydra 64HD is the most powerful light within the AI model range, more than enough for even the most demanding corals. With total control of an almost unlimited spectrum, TIR lenses, Hyper Drive and an impeccable proven track record for growing corals, it is hard to find ways to improve on this fantastic family of modular LED lights.

The spread from this light is perfect for up to 30 x 30 inch aquariums or can be used in multiples on larger systems.

CODE	DESCRIPTION
HYD64HDW	AI HYDRA 64HD LED LIGHT WHITE/SILVER
HYD64HDB	AI HYDRA 64HD LED LIGHT BLACK

COMPARISON

SPECIFICATION	PRIME SOL	PRIME FUGE	PRIME FRESHWATER	PRIME 16HD	HYDRA 32HD	HYDRA 64HD
Max Wattage	55W	55W	55W	55W	90W	135W
Channels	3	4	5 (+1)	7 (+1)	7 (+1)	7 (+1)
LED Colours						
# LEDs	12	14	14 (+1)	16 (+1)	32 (+1)	64 (+1)
Optics	TIR	TIR	TIR	TIR	TIR	TIR
Body Colours	○	●	●○	●○	●○	●○
Length	4.88in. (12.4cm)	4.88in. (12.4cm)	4.88in. (12.4cm)	4.88in. (12.4cm)	7.28in. (18.5cm)	11.9in. (30.2cm)
Width	4.88in. (12.4cm)	4.88in. (12.4cm)	4.88in. (12.4cm)	4.88in. (12.4cm)	5.4in. (13.7cm)	5.4in. (13.7cm)
Height	1.30in. (3.3cm)	1.30in. (3.3cm)	1.30in. (3.3cm)	1.30in. (3.3cm)	1.42in. (3.6cm)	1.42in. (3.6cm)
Soft Coral/LPS/SPS	20 x 20in. (50 x 50cm)	n/a	n/a	20 x 20in. (50 x 50cm)	24 x 24in. (60 x 60cm)	30 x 30in. (75 x 75cm)
High Density SPS	16 x 16in. (40 x 40cm)	n/a	n/a	16 x 16in. (40 x 40cm)	20 x 20in. (50 x 50cm)	24 x 24in. (60 x 60cm)
PAR						
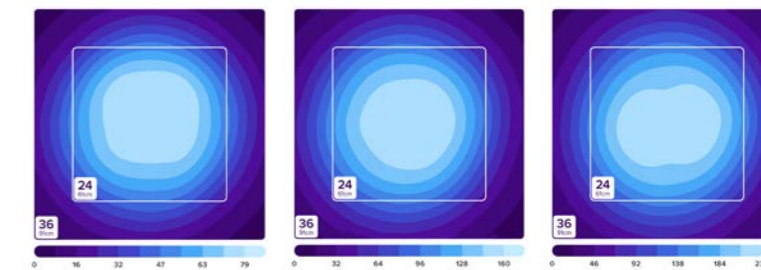
D-D SLIMLINE DESIGNER BRACKET GEN 1

Shown with Hydra 52   Shown with Hydra 26

D-D developed an elegant, lightweight and flexible solution to mount the previous generation of Aquaillumination HYDRA 52 and HYDRA 26 lights directly onto the tank, providing a sleek and complete mounting solution without the need for hanging wires from the ceiling.

Manufactured from aluminium, the brackets are lightweight and strong with a tough textured powder coated finish to compliment the colour of your light or aquarium.

• 3 Sizes available for different width tanks.
• Adjustable in height between 120 and 270mm above top of aquarium glass or pelmet.

Models: HTM50 - 50cm wide tank
            HTM60 - 60cm wide tank
            HTM75 - 75cm wide tank

Colours: Black or Silver/Grey

Suitable for: HYDRA 52, HYDRA 26

NOTE: This model will be phased out in favour of the GEN 2 version.

CODE	DESCRIPTION
HTM50SILVER	D-D SLIMLINE DESIGNER BRACKET 50CM SILVER
HTM50BLACK	D-D SLIMLINE DESIGNER BRACKET 50CM BLACK
HTM60SILVER	D-D SLIMLINE DESIGNER BRACKET 60CM SILVER
HTM60BLACK	D-D SLIMLINE DESIGNER BRACKET 60CM BLACK
HTM75SILVER	D-D SLIMLINE DESIGNER BRACKET 75CM SILVER
HTM75BLACK	D-D SLIMLINE DESIGNER BRACKET 75CM BLACK

D-D SLIMLINE DESIGNER BRACKET GEN 2

For the new HYDRA 64 and HYDRA 32 lights, D-D have modified the design of the Slimline Bracket to fasten directly to the top of the lights.

With the Gen 2 version you can now slide the light back and forwards to cope with different widths of tank and also rotate so that the lights can be positioned along the length or across the width of the aquarium.

Manufactured from aluminium, the brackets are lightweight and strong with a tough textured powder coated finish to compliment the colour of your light or aquarium.

• One size available, adjustable for tanks between 23cm and 60cm wide.
• Adjustable in height between 120mm and 270mm above top of aquarium glass or pelmet.

Colours: Black or Silver/Grey

Suitable for: HYDRA 64, HYDRA 32, HYDRA 52, HYDRA 26, HYDRA, VEGA, SOL

CODE	DESCRIPTION
HTMG2SILVER	D-D GEN 2 SLIMLINE DESIGNER BRACKET SILVER
HTMG2BLACK	D-D GEN 2 SLIMLINE DESIGNER BRACKET BLACK

Gen 2 model adjustable width

Gen 2 model rotate light

AI HYDRA HMS MOUNTING SYSTEM

Adapts to Your Tank
Tailor the HMS to your tank. Width, height, and even the angle of the light is able to be fine-tuned.

Slide & Swivel
Slide and swivel your lights to exactly where you want them, then fasten them in place to best illuminate your livestock.

The single arm Hydra Mounting System (HMS™) is designed to provide an easy to use, fully adjustable tank mount solution for the Aquaillumination range of LED lighting.

A complete kit for mounting a single light to your tank.

Note: Rimless tanks only. 1.2" (3cm) max glass/acrylic thickness.

Colours: Black

Suitable for: HYDRA 64HD, HYDRA 32HD, HYDRA 52, HYDRA 26, HYDRA, VEGA, SOL

Cable Management
The HMS features a slim profile with integrated cord management to minimize visual clutter and complement the clean look of your Hydra fixtures.

CODE	DESCRIPTION
HMSSA	AI HYDRA MOUNT SYSTEM SINGLE ARM

HYDRA FLEX ARM

Now available for the Hydra 32HD and Hydra 64HD, flex arm mounting is no longer reserved for the AI Prime alone.

The Hydra Flex Arm is the simplest and cleanest way to mount your new Hydra light to a pelmet or rimless aquarium.

Note that that a different version may be required for mounting the older models.

CODE	DESCRIPTION
HYDRAFLEX18B	18 INCH FLEX ARM BRACKET FOR HYDRA 32/64

PRIME MOUNTING SOLUTIONS

Choose from a selection of simple and attractive hanging and mounting options for your AI lighting. Mounting options are sold separately.

Prime Flex Arm ●
This silicone-coated Prime flex arm is a simple solution for rimmed or rimless tanks.

12in or 18in. lengths available.

Prime Hanging Kit ○
An innovative single wire kit makes it simple to hang and tilt your Prime to the right position and height.

Prime Tank Mount ● ○
An elegant tank mount with unique ball joint to tilt and turn your Prime for optimal light coverage.

CODE	DESCRIPTION
PBRACKET	AI PRIME TANK MOUNT SILVER
PBRACKET B	AI PRIME TANK MOUNT BLACK
PFLEX12	12 INCH FLEX BRACKET FOR PRIME
PFLEX18	18 INCH FLEX BRACKET FOR PRIME
PWIRE	AI PRIME HANGING WIRE KIT

D-D HANGING RAIL SYSTEM

The D-D rail system provides an anaesthetic and functional solution to the installation of your Aquaillumination LED lights, with an anodised aluminium section and built in cable management system.

Twin rail shown. Wires optional.

Available in 3, 4, 5 and 6-foot lengths but can also be cut down to fit if required.

Features
• Versions suitable for SOL, VEGA, HYDRA 64/52 & HYDRA 32/26 and all HYDRA HD lights.
• Aesthetic custom anodised aluminium section/stainless steel construction.
• Suitable for suspended or tank mounting (optional parts required).
• Integrates with fully modular concept.
• Designed with integral cable management system.
• Adjustable hanging along the whole length of the rail.
• Fully height adjustable by using AI WIRE 03 wire kit.
• Strong and lightweight in a range of lengths.

A single rail version allows the lights to be orientated along the length of the aquarium rather than across the width, allowing a further mounting option for difficult to light aquariums. Uses SOL WIRE 03 wires.

Wire Sets
There are 2 D-D wire sets that are available for use with the Aquaillumination products.

AI WIRE 03 - This wire kit is designed for use with the D-D Hanging Rail system and has a ball on each end of the Y connector so that you can slide the wire to any position and to any angle along the length of the rail for maximum flexibility.

AI WIRE 05 - This wire kit is used for hanging single HYDRA HD32/64, HYDRA 52/26, VEGA or GEN II HYDRA lights.

AI WIRE 05

| CODE	DESCRIPTION
TWINRAIL 36	2 X D-D TWIN RAIL SET 36" LONG (HYDRA 32/64/26/52/VEGA/SOL)
TWINRAIL 48	2 X D-D TWIN RAIL SET 48" LONG (HYDRA 32/64/26/52/VEGA/SOL)
TWINRAIL 60	2 X D-D TWIN RAIL SET 60" LONG (HYDRA 32/64/26/52/VEGA/SOL)
TWINRAIL 72	2 X D-D TWIN RAIL SET 72" LONG (HYDRA 32/64/26/52/VEGA/SOL)
RAILENDNARROW	PAIR OF END PLATES FOR HYDRA 32/26
RAILENDDOUBLE	PAIR OF END PLATES FOR HYDRA 64/52/VEGA/SOL
RAILENDSINGLE	PAIR OF END PLATES FOR SINGLE RAIL
AI WIRE 03	WIRE FOR HANGING D-D RAIL SYSTEM
AI WIRE 05	HANGING WIRE KIT FOR SINGLE HYDRA/VEGA/EXT RAIL

NERO 5 SUBMERSIBLE PUMP

Nero 5 – the submersible wave pump with both brains and brawn.

Small but mighty
Don't be fooled by its compact demeanour! The Nero™ 5 punches well above its class delivering a true 3000 gallons per hour, (11,300 LPH). That's the kind of flow that keeps your tank clean and your coral healthy.

myAI®
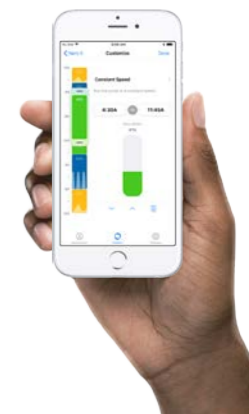
Simple built-in control
The Nero™ 5 uses Bluetooth LE and the myAI® app to connect to any iOS or Android device in seconds, for easy set up and programming of one or multiple Nero™ 5 pumps.

No smartphone, no problem! The Nero™ 5 includes an integrated controller for simple stand-alone speed adjustments.
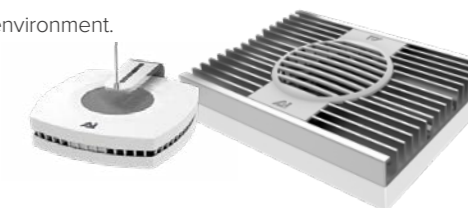
3 pump modes
'Drag & drop' pump modes onto your timeline:

Constant Speed: A constant stream of flow at the intensity of your choosing.

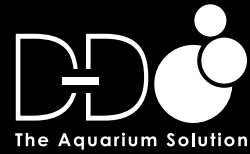**Pulse:** Consisting of uniform high & low levels.

Random: Simulates a high-energy reef environment.

Perfect partners
Users with current AI lighting will have the added benefit of viewing the Nero™ 5 and their lighting control side by side on the same myAI® app.

CODE	DESCRIPTION
NERO5	NERO 5 WAVE PUMP

D-D
The Aquarium Solution

D-D
The Aquarium Solution

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