



Product Launch Information

Hydra® 32HD
Hydra® 64HD
Prime™ 16HD Reef
Prime™ Freshwater
Prime™ Fuge
Prime™ Sol

More of what your customers love.



How do you make the most popular aquarium lighting in the world even better?

The Prime™ 16HD, Hydra® 32HD and Hydra® 64HD!

The AI Hydra® 26HD will be replaced by the new Hydra® 32HD.

The AI Hydra® 52HD will be replaced by the new Hydra® 64HD.

The Prime™ HD will be replaced with the Prime™ 16HD.

The Prime™ Sol will join the Prime line.

The Prime™ Freshwater and Prime™ Fuge will also receive changes to optics, heat sink and LEDs although spectrums will remain largely unchanged.

More Color. More Spread. More Power and More Refined . All without sacrificing anything that made the AI lights great. Best of all the new Prime and Hydras are being offered at the same price* as the current 26, 52 and Primes. (*US MRP and Price always subject to change*).

We understand that to be your first choice for aquarium lighting we must always be delivering the best value in performance, features and service –we are truly honored by your support. - Chris Clough, AI

A new generation?

AI's hobbyist community built the AI brand and continues to drive the evolution of AI products. Truer now than ever before - the specific feedback from aquarists, retailers and aquaculture facilities shaped the new Prime, 32 and 64. Our user community's expectations for better performance, tougher reliability and improved ease of use push forward the development of the most popular aquarium products available.

Most Impressive

- More LEDs
- More PAR
- More Spread
- Improved Optic Design
- Improved Water Resistance
- Thinner Form Factor
- Dedicated Moonlight Channel
- Wider Spectrum (more channels)

Still Impressive

- The best value Aquarium lighting on the market
- MyAI® app control
- HD overdrive capability (*route power to the spectrum you need*)
- AI customer support
- Numerous mounting options. The bracket for the 32HD and 64HD on the flex mount will change in the Flex Arm packaging. HMS mounting solutions are identical. Prime mounting solutions are identical.

AI lights deliver a proven spectrum that grows coral & will push coral coloration to the MAX. This newest generation of Primes and Hydras moves forward with that focus and delivers more PAR (Photosynthetically Active Radiation) and resulting PUR (Photosynthetically Useful Radiation) increasing the efficiency and value of these lights. Additionally this has been accomplished while enhancing the colors that make coral beautiful to the human eye. The new wide spectrum clusters deliver a CRI (Color Rendition Index) that will not disappoint!

- Chris Clough, AI

Features Explained

Design

Redesigning the plastics in the Prime and Hydra lineup has resulted in two major benefits: better efficiency and better aesthetics. Efficiency improvements reduce the demands on active cooling for longer component life. Improvements to design thin the fixtures and reduce their profile and presence over your aquarium.



The All-New Hydra® 32HD in White.

Resilient

Water resistance is a major benefit in aquarium lighting - and while the new Prime and Hydras are not waterproof, design improvements make them more capable of facing the moisture rich adventures of reef keeping.

Moonlight

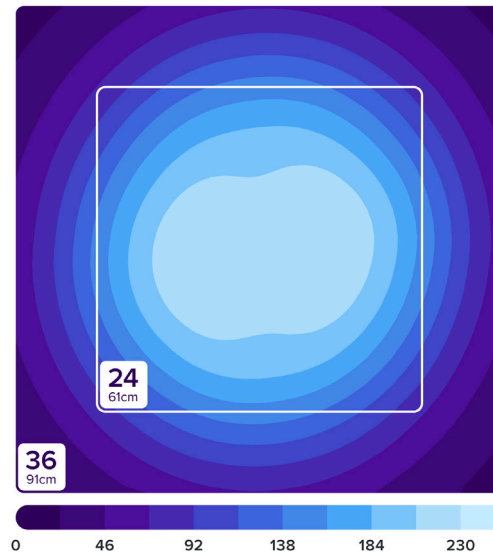
A dedicated moonlight LED and channel has been added in the new Prime HD, Prime FW , Hydra 32HD and Hydra 64HD modules. This allows for independent moonlighting designed to simulate the natural lunar color and intensity.

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

Optics and Output

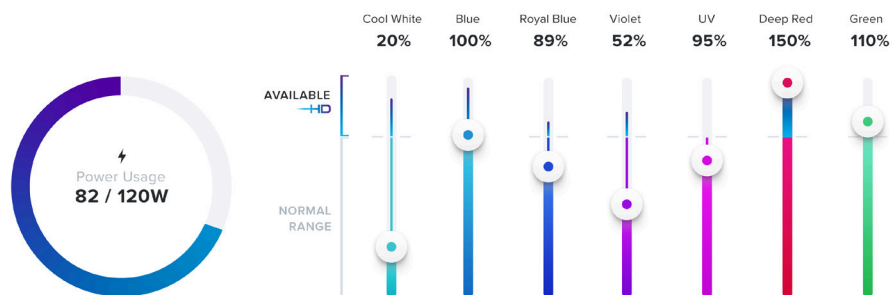
Output in terms of PAR, color mixing and spread are all improved with the new fixtures. The incorporation of more LEDs results in a more targeted full spectrum, TIR lenses shape the light's output and improve its efficiency. The result is more color POP as well as a slightly wider output area and higher average PAR. A combination LED placement and lens geometry blend the light from the clusters so that color separation is further reduced.



The Hydra® 64HD delivers more output with higher average PAR than any other AI Module.

HD

AI's popular HD functionality, through which a user can route power not in use by one color channel into another color channel is a much loved feature on the previous generation HD fixtures. As the new product names imply (Prime 16HD, Hydra 32HD and 64HD) all the new HD lights retain this exciting feature.



Mounting


Mounting hardware as previously available for Hydra and Prime fixtures will work with the new version lights. The exception is the Hydra Flex arm which will require a different light bracket due to the size difference in the new fixtures. The Flex arm bracket will change with the new fixtures. Older flex arms being used to mount the new lights will need a new light bracket.

Mounting Options

The Prime 16HD, Fuge, FW, Hydra 32HD and 64HD can be mounted using the existing Prime and HMS Mounting accessories.

Flex Arm Mounts will also be available with adjusted clips to accommodate the smaller footprint of the 32 and 64.


(Previous Model Lights Shown)



HMSSA
Single Arm Kit

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


Notes: Rimless tanks only. 1.2" (3cm) max glass thickness.



HMS2ARM
Double Arm Kit

Great for mounting multiple lights on one rail across your tank.


Requires a mounting rail to fit your tank, and brackets for each Hydra (sold separately).



HMSHK
Hanging Kit

An elegant solution to hang one or multiple Hydras over your tank.

Requires a mounting rail to fit your tank, and brackets for each Hydra (sold separately).



Hydra Flex Arm

Hydra MRP Pricing

Hydra® 32HD	USD\$366.50	Black & White	United States MRP
Hydra® 64HD	USD\$629.99	Black & White	United States MRP

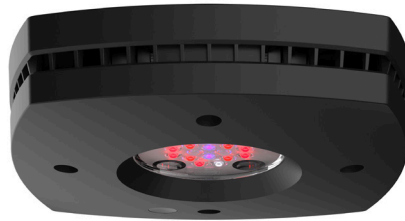
Specifically Prime



Prime™ 16HD Reef



Prime™ Freshwater



Prime™ Fuge



Prime™ Sol

The New AI Prime 16HD shares the same cluster as the Hydra 32HD and Hydra 64HD. The new Prime will be called Prime 16HD incorporating 16 LEDs (+1 Moonlight) and an all new TIR optic. The Prime Fuge and Freshwater will also get the new optic and new clusters. Existing spectrums will be achievable with all new versions of existing lights.

In addition to the Prime 16HD, Prime Fuge and Prime Freshwater there will also be a new Prime member – the Prime Sol. The Prime Sol is both a nod to the heritage of the Aqualllumination brand's first LED fixture and also an answer for those looking for a no frills coral growing solution.



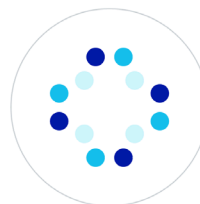
Reef

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



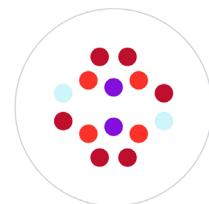
Freshwater

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



Sol

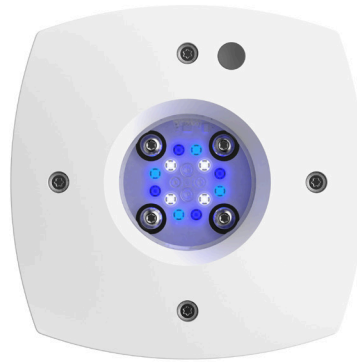
- 4 Cool White
- 4 Blue
- 4 Royal Blue



Fuge

- 6 Photo Red
- 4 Red
- 2 Cool White
- 2 Violet

New Prime LED Placement and Colors



Introducing the All-New Prime™ Sol

In addition to the AI Prime Line getting an update – a new Prime version is being added The Prime Sol.

Basic Beauty

A decade ago AI released the first aquarium LED light that proved LED technology was ready to grow coral - the AI Sol. With blue and white LEDs the Sol's spectrum provides enough energy at the blue peaks while the white LEDs fill the rest of the spectrum that coral needs to survive and thrive. A decade of LED advancement and the same proven output can be produced from the attractive and compact Prime Sol. The bonus being that giving up some of the color rendition present in current wide spectrum fixtures means less channels and less cost.

The Prime Sol is the ideal no frills coral growing solution for the budget conscious, the new hobbyist or the experienced hobbyist with the inevitable frag tank. Great control and great results. -Chris Clough, AI

Prime MRP Pricing

Prime™ 16HD Reef	USD\$209.99	Black & White	United States MRP
Prime™ Fuge	USD\$209.99	Black Only	United States MRP
Prime™ Freshwater	USD\$209.99	Black & White	United States MRP
Prime™ Sol	USD\$189.99	White Only	United States MRP

Features & Talking Points

Overall

- The New Prime Lineup is unbeatable for performance and value.
- Prime was the best small light hands down – Now its even better.
- 4 Models that deliver to specific user needs.
 - **Prime 16HD Reef** – Small Reef tanks – or multiples for Medium sized tanks.
 - **Prime Freshwater** – LED selection to optimize aquatic plant growth while delivering beautiful color rendition to your aquascape.
 - **Prime Fuge** – All the power you could want to grow macro algae in your refugium.
 - **Prime Sol** – Sacrifice full spectrum and spend the savings on more coral. Put that wattage into growth. Go Blue!

All-New Model Primes

- More Versatility (model options)
- More channels and output on each model (existing models)
- Improved Ergonomics.
- TIR lenses for maximum output efficiency
- All Features and Control Options incorporate in previous versions
- All previously available mounting hardware compatible

Specific to Prime™ 16HD

- More LEDs
- More Channels
- More Output
- Individual Moonlight channel

Prime Time

- Fully programmable including channel control, intensity and timing from your smartphone. (myAI®)
- BLE onboard – no additional hardware required for programmable control.
- Onboard button control for basic adjustment.
- Utilize all current Prime Mounting Hardware including – Prime Mount, Prime Flex Arm 12”, Prime Flex Arm 18” and the Prime hanging Kit.
- Add them to your myAI profile and create a schedule to coordinate with other AI fixtures.
- Backed by Aqualllumination Customer Service

(Previous Model Light Shown)

Mounting Solutions



Prime Flex Arm



Prime Tank Mount



Prime Hanging Kit

NEW & IMPROVED

Hydra® **HD** Series



GET MORE.

The All-New Hydra® 64HD & Hydra® 32HD are here.

Brilliantly Simple.



New Product Information



Product	Part Number	UPC	Color Channels	# of LEDs	Wattage	Optics	Dimensions	MRP Price	Package Dims	Package Weight
Prime Sol (White only)	HYD16SOLW	653341191427	3	12	NA	TIR	4.88 x 4.88 x 1.3in	NA	7.75 x 6.75 x 3.5	2.15lbs
Prime Fuge (Black Only)	HYD16FUB	653341191328	4	14	NA	TIR	4.88 x 4.88 x 1.3in	NA	7.75 x 6.75 x 3.5	2.15lbs
Prime Freshwater (White)	HYD16FWW	653341191229	5 (+1)	14 (+ 1)	60W	TIR	4.88 x 4.88 x 1.3in	209.99	7.75 x 6.75 x 3.5	2.15lbs
Prime Freshwater (Black)	HYD16FWB	653341191120	5 (+1)	14 (+ 1)	60W	TIR	4.88 x 4.88 x 1.3in	209.99	7.75 x 6.75 x 3.5	2.15lbs
Prime 16HD Reef (White)	HYD16HDW	653341191021	7 (+1)	16 (+ 1)	60W	TIR	4.88 x 4.88 x 1.3in	209.99	7.75 x 6.75 x 3.5	2.15lbs
Prime 16HD Reef (Black)	HYD16HDB	653341190925	7 (+1)	16 (+ 1)	60W	TIR	4.88 x 4.88 x 1.3in	209.99	7.75 x 6.75 x 3.5	2.15lbs
Hydra 32HD (White)	HYD32HDW	653341191625	7 (+1)	32 (+ 2)	90W	TIR	7.28 x 5.375 x 1.42in.	366.50	7.9 x 7.2 x 3.5in.	3.5lbs
Hydra 32HD (Black)	HYD32HDB	653341191526	7 (+1)	32 (+ 2)	90W	TIR	7.28 x 5.375 x 1.42in.	366.50	7.9 x 7.2 x 3.5in.	3.5lbs
Hydra 64HD (White)	HYD64HDW	653341191823	7 (+1)	64 (+ 4)	135W	TIR	11.875 x 5.375 x 1.42in.	629.99	12.6 x 6.6 x 3.5in.	5.5lbs
Hydra 64HD (Black)	HYD64HDB	653341191724	7 (+1)	64 (+ 4)	135W	TIR	11.875 x 5.375 x 1.42in.	629.99	12.6 x 6.6 x 3.5in.	5.5lbs

Quick Start Guide



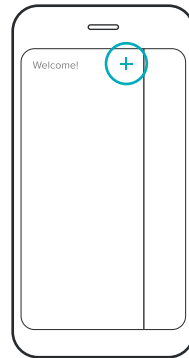
For instructional videos, FAQs and support, visit:
support.aquillumination.com

Download myAI® App

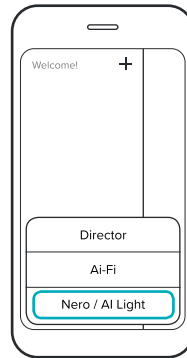
The myAI® app will connect through your phone to the AI LED using Bluetooth Low Energy (BLE) in order to setup and program schedules and settings.



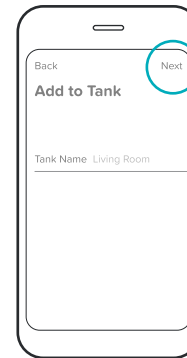
Download the myAI® app:
<http://www.aquillumination.com/control/>



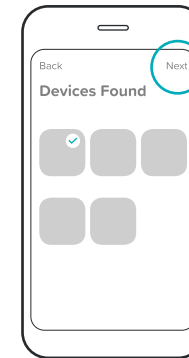
Tap the + **Add** icon in the device drawer.



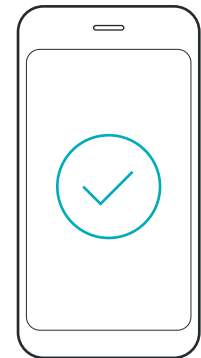
Tap the **Nero / AI Light** option.



Type a **Tank Name** and tap **Next**.



Select the device you'd like to add and tap **Next**.



Success! Now you're ready to set your schedule and settings.

Button Functions

Increment Intensities

(Only applies to devices in an unconfigured state.)

Press the button to increment LED intensities by 20%. There are also increments for 1% and moonlight only *(if applicable)*.

Soft Reset

A soft reset restarts the device but retains the schedule and settings. To perform a soft reset:

1. Unplug from power.
2. Reapply power.

Factory Reset

A factory reset restarts the device and removes your settings and schedule data, returning it to factory defaults.

To perform a factory reset:

1. Unplug from power.
2. Press and hold button.
3. Reapply power and wait for the LED to blink red.
4. Release button.

LED States



Solid Green

Your device is running a lighting schedule.



Solid Blue

Your device is running a scene.



Blinking Blue / Green

Your device is unconfigured.



Blinking Red

Thermal cool-down mode.



Blinking Red / Green / Blue

Firmware update process is active.



Alternating Red / Purple

Low voltage. Contact Support.



Alternating Red / Yellow

Over current. Contact Support.



Alternating Red / White

Over voltage. Contact Support.



Alternating Red / Teal

Driver fault. Contact Support.



Now Shipping to LFS stores worldwide!

REEF
BOLD

