



**Interzoo 2020**  
19 – 22.5.2020 | Nürnberg, Germany

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in hall 1  
stand 1-442

## Press release Interzoo 2020 – GoldLINE Marine

### HVP aqua introducing their new Marine LED lamps: GoldLINE Marine

During Interzoo 2020 HVP aqua will introduce their updated high power and high par LED lamps specially designed for Marine aquariums. Over the years, the Marine lamps of HVP aqua has proven itself as a stable success and by now it is being used in thousands of aquariums across Europe. Recently HVP aqua improved the formula even more and introduced the GoldLINE Marine. The GoldLINE marine lamps show an unbeatable performance and, in comparison with T5, it provides the same amount of PAR (Photosynthetically Active Radiation). The energy savings relative to T5 is no less than 50%. Just like T5 lamps, the GoldLINE Marine lamps can be combined, allowing any aquarium owner to compose his/her own mix of lamps to create a unique atmosphere.

The HVP aqua MarineLINE is available in three options:

- 10,000K
- 14,000K (combination of 10,000K and 460-463 Actinic blue LEDs)
- 20,000K (460-463 Actinic blue LEDs)

### High quality and PAR output

In order to assure the quality of the MarineLINE LED lamps (and to compare them), HVP AQUA had the PAR-values investigated. A comparison was made between T5 lamps and GoldLINE lamps. For the PAR-measurements, an Apogee Quantum Flux SQ120 PAR-meter was used with original Quantum Sensor.



8X 54W T5: 305 PAR



6X 36W GoldLINE Marine: 304 PAR

Our team will be happy to advise you about the possibilities regarding the OEM-project that would best fit your organization. Please visit us in hall 1, stand 1-442.