

Light Emitting Plasma Deep Submergence Light



BIRNS launched a powerful underwater vehicle light on the market at Underwater Intervention 2011 in New Orleans, USA: the BIRNS Aurora. The company held a huge product launch event to introduce the new high intensity Light Emitting Plasma (LEP) deep submergence light, which provides 14,000 lumen brilliance, to usher in the next generation of extreme depth subsea lighting systems.



The catered "BIRNS High Performance Product Launch" event at the BIRNS booth drew approximately 125 attendees eager to see for the industry's first LEP light, and were rewarded with a demonstration of its power when the tank was revealed during the presentation by

Eric Birns, President and CEO.



LEP is a new lighting technology that is a more powerful and efficient alternative to LED, Tungsten Halogen and Metal Halide lighting. Its light sources use a solid-state device to generate Radio Frequency (RF) energy to power a plasma light source. Unlike traditional metal halide lights, the BIRNS Aurora does not require metal electrodes to drive power into the source, thus has a more robust quartz vessel. This unique LEP light has a 30,000 hour lamp life, produces a continuous spectrum and the single bulb (approximately 2 mm long) produces 14,000 lumens of brilliant white light at 5,300K, at a Colour Rendering

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Birns said to be proud to introduce yet another industry first at this important show. "We believe that the BIRNS Aurora will blaze a trail at depth never seen before." At the event BIRNS also launched the new BIRNS website, the BIRNS Aquila Articulating Helmet Mount, an innovative design that allows for articulated movement of any BIRNS Aquila to swivel in all directions, providing an unmatched level of flexibility in usage, and two new UV lights for helmet and vehicle use.

The BIRNS Aurora offers physical dimensions that are smaller and more efficient than costly metal halide systems, and is engineered with a robust aluminum housing with a tempered 6km borosilicate glass lens. It has an overall length of just 11", and a housing length of 5.5", so it's immensely powerful, yet very low profile for a wide range of demanding applications. With a mounting diameter of 2.5", it can be tailored to fit large or small vehicles, and runs on 28Vdc with a 9.3A power draw.