



High Performance . . .
Under Pressure®

High Performance News

The New Compact BIRNS Quantum-C™



BIRNS, Inc. has launched the new BIRNS Quantum-C™ LED floodlight for powerful, extended use illumination at a long range for wide work areas inside containment. The durable, brilliant system is engineered with low profile cooling fins, so its more compact footprint makes it ideal for high ceiling and crane applications. It's seismically qualified per IEEE-344 and has a 21,383 lumen output to enhance safety and productivity. The BIRNS Quantum-C has a ~109,000 hour lamp life, which minimizes maintenance, and delivers a near-daylight color temperature

of ~5000K. It has a low 210W power draw and optical efficiency of nearly 83% (102 lumens per Watt), providing enormous energy and cost savings over metal halide and tungsten-halogen lamp options. Plus, it accepts a wide range of input voltages, from 110V to 277V. The system comes with an adjustable Universal mount for ceiling, wall and crane mount configurations, and captivated flex-top nuts make it easy to securely lock the fixture in place.

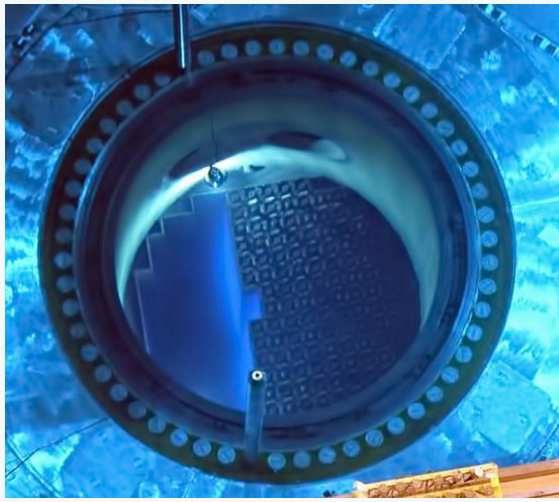


This unique light is precision manufactured in the U.S. and has a robust all stainless steel exterior housing and is well suited for extended use in nuclear environments. It features an exclusive breather system, so it withstands containment integrated leak rate testing at full pressure. Like all field-proven BIRNS nuclear lighting fixtures, the BIRNS Quantum-C is designed with safety and productivity in mind, so all corners and edges are rounded for worker safety, and all surfaces are smooth for easy cleaning and decontamination. It's constructed of nuclear-

compatible materials, and is designed with fully captivated parts for safety and efficiency of use.

Forty Light Years Ahead: Four Decades of Nuclear Lighting Excellence

2017 marks our 40th anniversary of serving the nuclear power industry with high performance lighting solutions. As we celebrate this milestone, we proudly reflect on our successful past, and look ahead to ways that our contributions to nuclear lighting technology will continue to positively impact the future.

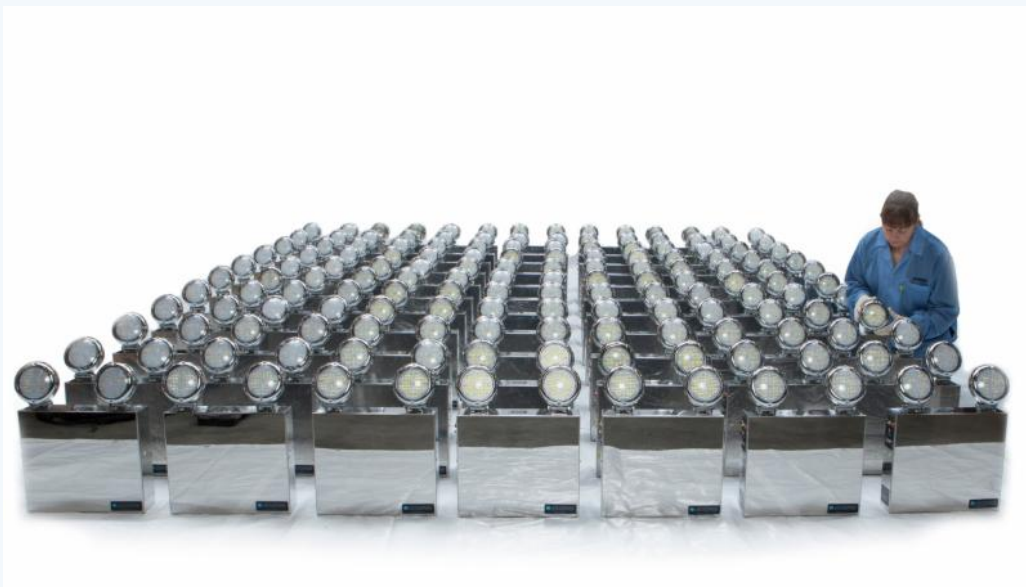


One of our earliest underwater nuclear lighting solutions was provided in 1977, when Babcock & Wilcox Energy used our BIRNS Snoopers™ as fuel pool lights. Shortly thereafter, in 1979 an emergency order for BIRNS Snoopers for Consolidated Edison's Buchanan, NY plant helped prevent a major Manhattan blackout. We then went on to develop the versatile, 16,000 lumen BIRNS Kelvin™ fuel pool light, which in 1984 was used to relamp the entire South Texas Project Electric Generating Station. We continued to drive innovation in the development of new technology for lighting fuel pools and reactor cavities during fuel handling and turbine inspection, introducing the BIRNS

Corona™, a highly advanced high pressure sodium vapor floodlight in 1992. With 130,000 lumens, a 24,000 hour lamp life and commercially available 1kW lamps, it quickly took the market by storm.

We decided to expand our lines to include emergency lighting, introducing in 1993 the BIRNS Emergency Light Fixture™, and subsequently adding LED versions to the incredibly popular line in 2011. In 2014, we answered the call of the industry and created a seismically qualified, UL-listed nuclear grade LED high bay light, the BIRNS Quantum™, with a lamp life that allows the fixture to run for up to 12 hours a day for 23 years before needing replacement.

It's been an honor to be trusted for the last four decades by our industry to make the workplace and operations inside containment safer and more efficient. We are very grateful to our customers, and look forward to serving them in the years ahead.




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BIRNS' Quality Management System is
ISO 9001:2008 Certified;
NRC 10CFR50, App. B Compliant

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