



High Performance . . .
Under Pressure®

High Performance News

Making the List



We're thrilled to announce that our industry-leading lines of Emergency Lighting Fixtures™ have received Underwriter's Laboratories listing. The new certification is applicable to both LED and incandescent configurations of the acclaimed lighting systems, which are widely used inside primary nuclear containment across the world. BIRNS emergency lights are [seismically qualified](#) per IEEE-344, are capable of withstanding a major earthquake and provide extended illumination in case of nuclear station power failure.

The new UL listing covers BIRNS' emergency lighting designs models 4710, 4702 and 4726. The [BIRNS Emergency Light Fixture-LED™](#), Model 4710, provides 24-40 hours of automatic SSE lighting, with a 35,000 hour lamp life and a low overall system power draw. It delivers up to five times more standby illumination than required by 10CFR50, App. R Sect. III.J., in case of SBO or loss of AC power, and helps nuclear stations achieve B.5.b (EA-02-026) Post-Fire Safe-Shutdown. The BIRNS Emergency Light Fixture, Model 4702, is a 450 lumen incandescent system, which provides eight hours of automatic lighting. The BIRNS Emergency Power Unit™, Model 4726, allows configurations of remotely mounted LED or incandescent headlights for the fixture.

All BIRNS emergency lighting systems are available with multiple voltage and mounting options, and feature integral sealed, rechargeable batteries and solid state charging circuitry for superior performance. The slim-profiled units have a mirror-finish, stainless steel construction that's highly resistant to humidity, acids, and other corrosives, and is easy to clean.

Double Vision

When you're illuminating a vast fuel pool or reactor cavity, sometimes it's necessary to double up on your lighting intensity for maximum visibility. To help make that choice easier, we've just developed a new [datasheet](#) for our amazing BIRNS Dual Kelvin™, a powerful two lamp tungsten halogen lighting system for use in underwater applications with high levels of radiation and nuclear contamination.

Seismically qualified per IEEE-344, it provides brilliant 32,000+ lumen illumination, yet is lightweight and rugged, with all stainless steel inside containment construction. It can be relamped tool free by hand in 60 seconds, and has ballast free operation, with instant on/off and complete dimming and hot restrike capability. BIRNS Dual Kelvin lamp protectors are made of Lexan polycarbonate—with over 30 times the impact resistance of safety glass, and over 300% the radiation tolerance of acrylic, and the robust system comes in a choice of three beam angles.



ISO Recertification

We are happy to announce that our Quality Management System (QMS) just had its successful ISO 9001:2008 [recertification](#) audit carried out by DNV-GL, an international certification body and classification society created as a result of a merger between Det Norske Veritas and Germanischer Lloyd. ISO 9001:2008 is a globally recognized standard for QMS implementation from the International Organization for Standardization (ISO). During the audit, BIRNS' QMS was thoroughly reviewed across all applicable company departments and all standard elements to ensure proper implementation, procedure compliance and proof of continuous process improvements, as required by the Standard.

We first received ISO certification in 2009 and have maintained it ever since, identifying ways to improve our processes and concomitant productivity each year. DNV-GL has its own requirements for maintaining the certification, requiring internal audits and a surveillance audit each year, in addition to the 3-year recertification audit. Adhering to the rigorous Standard demonstrates our commitment not only to continual improvement, but to sustainable business performance and a high level of customer satisfaction.



1720 Fiske Place Oxnard, CA 93033-1863
Phone: 805.487.5393 | Fax: 805.407.0427 | Toll-Free 1.888.BIRNS.88
service@birns.com | www.birns.com

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

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BIRNS, Inc. | 1720 Fiske Place | Oxnard | CA | 93033