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Scientific Medical

INCANDESCENT: Numerous filament lamp types from USHIO serve a lighting role in many ophthalmic, diagnostic and medical tools.

HALOGEN: Precise standards, wide selection of voltages and wattages and a total commitment to high quality; USHIO halogen lamps are used in applications including light curing processes in dentistry, industrial optics and machine vision, fiber-optics, microscopy, analytical equipment, overhead surgical applications, medical treatment and diagnostic instrumentation. Where can you find USHIO halogen lamps in the world of science and medicine - everywhere.

MERCURY AND XENON-MERCURY: USHIO USH and UXM short-arc mercury and mercury-xenon lamps are characterized by their tightly confined plasma discharge, high luminance, and ultra-stable arc, spectral outputs in the ultraviolet and visible light regions, DC- and AC-operated versions up to 200 watts. USHIO lamps are used in all microscopy units, diagnostic, industrial analytical equipment, including spectrofluorometers, blood analyzers, optical comparators, and UV curing applications. Our latest line of USH(SMR) lamps feature precision-aligned mercury burners and specialized reflector designs for ultimate reflectivity and light channeling control in fiber-optic applications. Designed and built in one of our United States manufacturing facilities.

Continuous upgrades in electrode material technology and investments in cutting-edge manufacturing processes enables USHIO to further improve light versus life degradation characteristics.

XENON: USHIO UXL is a world leader in the development and manufacture of high pressure, short-arc xenon gas discharge lamps. UXL lamps provide very high luminance, instant-on ignition, 6000K stable lifetime color temperature, high color rendition, CRI95, and a highly stable arc discharge necessary for critical optical applications. Lamps in power ranges up to 450 watts and available in lower wavelength and ozone-free packages. Applications include microscopy, surgical illumination, spectroscopy, analytical and measurement equipment like metallographs and reprography.

The latest development from USHIO is a line of UXL reflectorized lamps with optimum collection efficiencies; ideal for numerous fiber-optic applications.

CERAMIC XENON: USHIO UXR ceramic xenon lamps are highly efficient, pre-aligned parabolic reflectorized lamps for use in numerous scientific and medical applications. The UXR features strong output reliability over life, highly stable 6000K color temperature, a compact and rugged ceramic to metal seal manufactured body with a 500-hour fully-backed warranty. Manufactured at our ISO-certified plant, all UXR lamps are built to high quality standards.

FLUORESCENT: Low pressure fluorescent ring lights and linear lamps ranging in wattages from 4 to 90 watts and different color temperatures provide general illumination in microscopy, medical viewing boxes and a variety of equipment used in science and medical applications.

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