

# SCIENTIFIC-MEDICAL LAMPS

*A Complete and Diverse Lamp Product Lineup*

**Analytical Equipment**

**Dental Equipment**

**Fiber Optics**

**Industrial Inspection**

**Lab Equipment**

**Material Research**

**Microscopes**

**Medical Diagnostic**

**Surgical Lighting**

**Ophthalmic**



**USHIO**



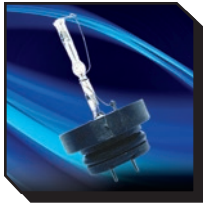
# SCIENTIFIC-MEDICAL PRODUCTS

**USHIO** is a leading specialty lighting manufacturer in the world today. A technology leader in light source manufacturing, USHIO has manufacturing facilities around the world.

We produce lamps for many Specialty Lighting markets including semiconductor, infrared, germicidal, microscopy, analytical and research applications. USHIO offers a complete line of halogen, xenon, mercury, mercury-xenon, miniatures, EmArc® DC discharge and metal halide lamps sources. USHIO lamps are used in all types of medical diagnostic, research and optical tools.

## SOLARC®

Brilliant, small arc gap, DC metal halide lamps in single ended and reflectorized designs from 14-50 watts. USHIO Solarc® lighting solutions also include power supplies, light engines, light modules and complete illuminators.



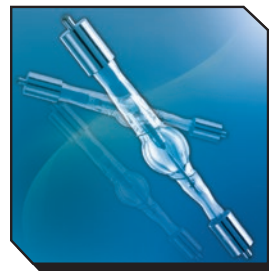
For information on our complete line of SOLARC® products, please visit our website.

## THE WORLD'S LEADER IN XENON & MERCURY LAMPS



### USH SHORT-ARC MERCURY LAMPS

Lamps for Microscopes, Lab  
Equipment & UV Applications.



### UXL SHORT-ARC XENON LAMPS

Lamps for Microscopes, Lab  
Equipment, Material Research &  
Analytical Equipment.

#### DESCRIPTION

#### ITEM #

SHL-50AC2 HG 50W	5000857
SHL-50AC1 HG 50W	5000487
USH-102D HG 100W	5000273
USH-102DH HG 100W	5000274
USH-103D HG 100W	5001329

#### DESCRIPTION

#### ITEM #

UXL-75XE XE 100W	5000371
UXL-150S-O XE 150W	5000326
UXL-152H XE 150W	5000330
UXL150S XE 150W	5000325





## ANSI LAMPS

Lamps for Microscopes,  
Fiber-Optics, Laboratories,  
Medical Diagnostic &  
Surgical Lighting, Ophthalmic,  
Industrial Inspection  
& Dental Equipment.

### DESCRIPTION

### ITEM #

BRL	1000071
CAX/CAW INC 120V-50W	1000122
CAX/130V INC 130V-50W	1000123
CAX/130V HP INC 130V-50W	1000124

### DESCRIPTION

### ITEM #

EFP	1000271
EFR	1000272
EHJ	1000290
EJA	1000297
EJM	1000301
EJV	1000302
EKE	1000306
EKE/L 1,000 HOURS LONG LIFE	1003370
EKZ	1000315
FCR	1000490
FDT	1000504
FHD/ESA	1000531



## SCI-MED INCANDESCENT HALOGEN LAMPS

Lamps for Microscopes,  
Laboratories, Medical Diagnostic  
& Surgical Lighting, Ophthalmic,  
& Dental Equipment.

### DESCRIPTION

### ITEM #

SM-74000	ALM	8000230
SM-50067	ALM	8000430
SM-P129249-001	AMSCO	8000353
SM-P129362-228	AMSCO	8000355
SM-908-22	Berchtold	8000428
SM-907-22	Berchtold	8000429
SM-H2000	Hanalux Siemens	8000325
SM-18566	Hanalux Siemens	8000123
SM-B101028	Skytron	8000316
SM-B501132	Skytron	8000318
SM-B401029	Skytron	8000317
SM-39-01-58	Zeiss	8000175
SM-31-74-28		8000165
SM-77903		8000240
SM-900-930		8000310
SM-8018		8000269
SM-77458		8000238
JCR/M12V-75W/HO		1000929
JCR/M14V-35W		1000930
JCR/M12V-50W		1000926
JC6V-30W/G4		1000867



## VAC CERAMIC XENON LAMPS

Lamps for Surgical Lighting,  
Microscopes, Research &  
Analytical Equipment.

### DESCRIPTION

### ITEM #

VAC175-F-C	5001603
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## EmArc® SHORT-ARC, DC ENHANCED METAL-ARC LAMPS



### DESCRIPTION

### ITEM #

SMR-75/D1	5002046
SMR-200/D1	5001399
SMR-201/UV1	5002183

(Hg) contains mercury  
contient du mercure



Manage in Accord with Disposal Laws  
www.lamprecycle.org 1-800-895-8842

⚠ CALIFORNIA PROPOSITION 65 WARNING: These products can expose you to Mercury known to the state of California to cause birth defects or other reproductive harm. For more information, please go to: www.p65warnings.ca.gov

Visit us at [www.ushio.com](http://www.ushio.com) for an in-depth look at our product lineup.

**EmArc SMR-7501 Metal Arc**

For over 50 years Ushio has been producing advanced, superior quality lamps for the world. Our new EmArc SMR-7501 is a new and improved metal arc lamp. The 750W metal arc lamp is designed for high power applications in a variety of industrial and scientific lighting systems. The lamp is designed for use in high pressure mercury vapor lamps and is designed to meet the needs of high power applications. The lamp is designed for use in high pressure mercury vapor lamps and is designed to meet the needs of high power applications. The lamp is designed for use in high pressure mercury vapor lamps and is designed to meet the needs of high power applications.

**USH-103D Short Arc Mercury**

Ushio America is a recognized leader in specialty lighting. Since 1950, we have advanced in lamp technology. Our advanced Ushio short arc mercury lamps (USH-103D and USH-103D) are designed to meet the needs of high power applications. The lamp is designed for use in high pressure mercury vapor lamps and is designed to meet the needs of high power applications. The lamp is designed for use in high pressure mercury vapor lamps and is designed to meet the needs of high power applications.

**VAC Ceramic Xenon**

Ceramic Xenon Lamps for Scientific-Medical

Ushio America is a recognized leader in specialty lighting. Since 1950, we have advanced in lamp technology. Our advanced VAC ceramic xenon lamps (VAC-103D and VAC-103D) are designed to meet the needs of high power applications. The lamp is designed for use in high pressure mercury vapor lamps and is designed to meet the needs of high power applications. The lamp is designed for use in high pressure mercury vapor lamps and is designed to meet the needs of high power applications.

**UV AMALGAM**

Low Pressure UV Amalgam Lamps

Ushio America offers two types of low pressure amalgam lamps. These lamps have a special coating that allows for transmission of 254nm and 365nm and 185nm for ozone production. The low pressure amalgam lamps utilize low power UV power density, all standard low pressure lamps and low power ozone production while operating at a higher temperature than conventional low pressure mercury lamps. The higher efficiency of the amalgam lamps allows less lamps per system or lower wattage lamps in the system while achieving the same results as standard low pressure mercury lamps. Amalgam lamps use less mercury than standard low pressure mercury lamps and are RoHS compliant. Life time of the amalgam lamps are in excess of 16,000 hours with only a 20% degradation in output.

**SM-907-22, SM-908-22 LAMPS FOR SURGICAL LIGHTING**

These lamps are designed and constructed to provide consistent and guaranteed performance for your surgery. We built the new VAC Ceramic Xenon lamps to improve quality standards. The VAC Ceramic Xenon lamps are designed to meet the needs of high power applications. The lamp is designed for use in high pressure mercury vapor lamps and is designed to meet the needs of high power applications. The lamp is designed for use in high pressure mercury vapor lamps and is designed to meet the needs of high power applications.



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