

## EmArc-Lamps (Enhanced Metal Arc Lamps) from Ushio



Ushio EmArc-lamps are comparable to metal halide lamps in luminous efficiency yet with 2 to 5 times life expectancy.

Short arc metal halide lamps, originally developed as light sources for LCD and DVD projectors, emit a well-balanced visible light spectrum.

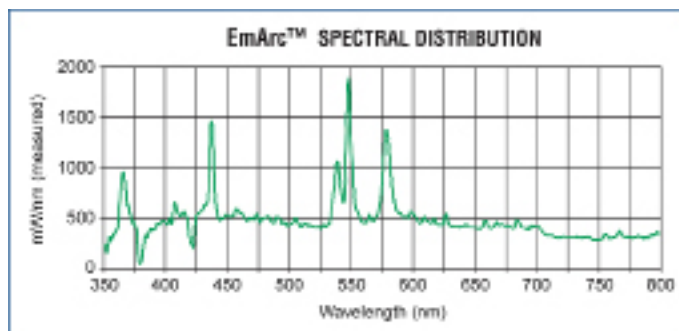
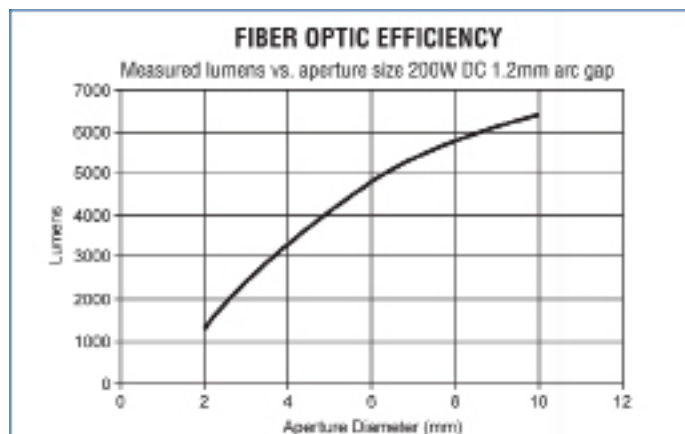
EmArc-lamps are very efficient and provide good color rendering to reproduce vivid color images. The special design with a very concentrated light spot achieves a high efficiency in the projector's optical system.

EmArc enhanced metal arc lamps are also applied in the SSTV industry, featuring a well-balanced light output in a visible spectrum combined with high efficiency.

Ushio EmArc-lamps are particularly effective in reproducing natural colors.





### APPLICATION AREAS

· fiber optics, endoscopy · uv curing · entertainment, special effects



Left image: fiber optic efficiency of EmArc-lamps  
 Top right image: spectral distribution of EmArc-lamps

### TECHNICAL INFORMATION

Lamp Type:				
	SMH-200/D2	SMH-600/D1	SMR-75/D1	SMR-200/D1
Part No.:	5001122	5001172	5000426	5010120
Lamp Wattage (W):	150-200	600	50-75	150-200
Lamp Current (A):	4.65	8.8	1.33	4.65
Lamp Voltage (V):	43	68	55	43
Arc Gap (mm):	1.2	3.0	1.2	1.2
Luminous Flux (lm):	10,000	44,000	700	5,100
Avg. Life (h):	Ø 2,000	Ø 1,000	Ø 1,000	Ø 2,000
Color Temp. (K):	6,000	5,700	8,200±500	6,500



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### ORDER INFORMATION

Type	Description	Part No.
SMH-200/D2	EmArc metal arc lamp, 200 W	5001122
SMH-600/D1	EmArc metal arc lamp, 200 W	5001172
SMR-75/D1	EmArc metal arc lamp, 75 W, with reflector	5000426
SMR-200/D1	EmArc metal arc lamp, 200 W, with reflector	5010120

Current prices at: [www.msscientific.de/shortarclamps\\_pdfpricelist.pdf](http://www.msscientific.de/shortarclamps_pdfpricelist.pdf).