

# ArcMeister R-Type

broad spectral range

## Short arc lamp with reflector



ARC-Meister lamps are short arc lamps with high energetic efficiency where Xenon gas and various metallic salts form a plasma in the tube. The patented design of the arc tube makes this possible without generating high overpressure. The lamps are quasi „explosion-proof“. The innovative ceramic rods between arc tube and metal connection approaches the thermal expansion coefficients, so that mechanical tension between the different materials is nearly reduced to zero. This makes the lamps largely insusceptible to temperature changes.

The tubes can be filled with several different gases/salts so that various spectrums and varying light intensity between visible and UV light are available. The lamps deliver a wattage of between 40 und 80W and can electrically be dimmed within this range.

The lamps are equipped with an elliptic reflector which enables the connection to light guides and optical systems.

Fields of application:

- cold light sources for the use of light fibers
- analytical instruments
- video projectors, light spots

Properties and advantages:

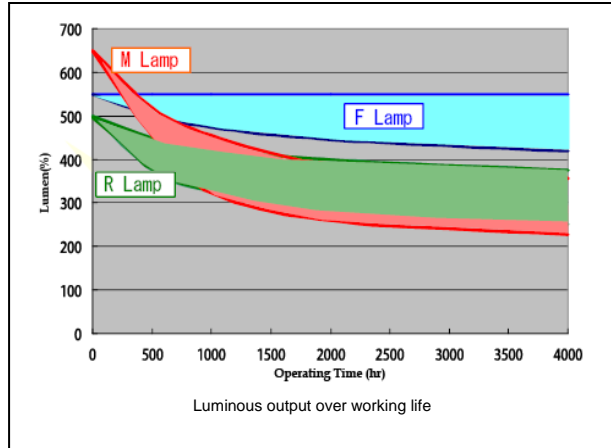
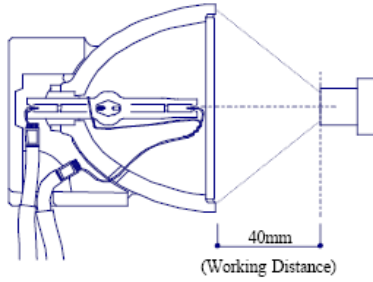
- very high luminance
- continuing spectrum in visible range
- constant colour temperature over whole working life
- stable arc
- DC operation
- hot restrike
- very long working life
- quasi „explosion-proof“ through front glass with filter effect
- arc tube protected from touch

Patents: EU 0619379 ,0650184

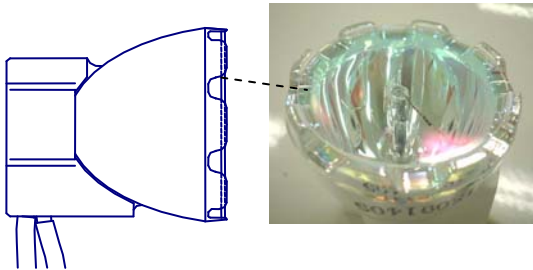
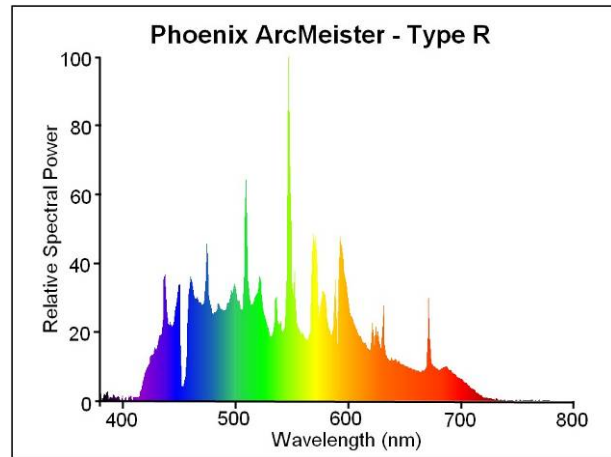
Technical specifications

lamp	wattage [W]	dimmmable area	lamp voltage [V]	lumen	colour temperature [K]	working life [h]	arc length [mm]	article number
R-type	60W	40W-80W	55V±15V	4000±100	8000	4000	2.5, 1.5	Xon-O-PC-R25 / R15

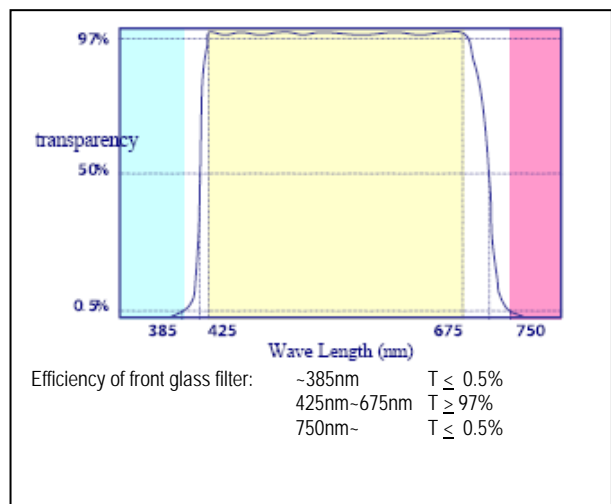
Technische Details



connector, designed for 30kV pulse and compatible with GE XMH60



special design with cooling slits for improved heat dissipation in compact applications



TechnoLab Systems GmbH  
 Am Borsigturm 46  
 13507 Berlin  
 Tel.: +49 30 4303 3160  
 Fax: +49 30 4303 3169