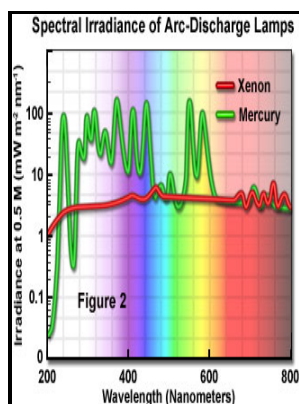


Lines in the infra-red spectrum of the mercury arc.

- - Sodium



Description: -

-
San Juan Capistrano (Calif.) -- History -- Pictorial works.
San Juan Capistrano (Calif.) -- Pictorial works.
Mercury
Infrared spectra
Lines in the infra-red spectrum of the mercury arc.
-Lines in the infra-red spectrum of the mercury arc.
Notes: Thesis (M.A.) -- University of Toronto, 1915.
This edition was published in 1915



Filesize: 23.56 MB

Tags: #Sodium

Sodium

Persistent Lines of Neutral Mercury Hg I Mercury Hg Persistent Lines of Neutral Mercury Hg I Intensity Wavelength Å A ki 10 8s -1 Energy Levels cm -1 Configurations Terms J Line Ref.

Mercury

These lamps have only the same or slightly higher efficiency than incandescent lamps of similar size, but have a longer life. Production of high-pressure mercury vapor lamps, 1965 observed the spectrum of an electric discharge in mercury vapor in 1835, and noted the ultraviolet lines in that spectrum. It does not affect the use of mercury in , nor the use of mercury lamps for purposes other than lighting.

Sodium

The higher the lamp power, the higher will be the amalgam temperature. This high efficiency is partly due to the light emitted being at a wavelength near the peak sensitivity of the human eye. This is not flattering to , so such lamps are typically not used in retail stores.

Strong Lines of Mercury (Hg)

There have been documented cases of lamps being damaged in by balls striking the lamps, resulting in and eye inflammation from shortwave ultraviolet radiation.

Persistent Lines of Neutral Mercury (Hg I)

High-pressure sodium lamps emit a broader of light than the low-pressure lamps, but they still have poorer than other types of lamps.

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