Components

Solid State Light Sources for Microscopy Applications

Light sources for microscopy applications are normally made with conventional lamps, with or without fiber optics to convey light to the object under observation.

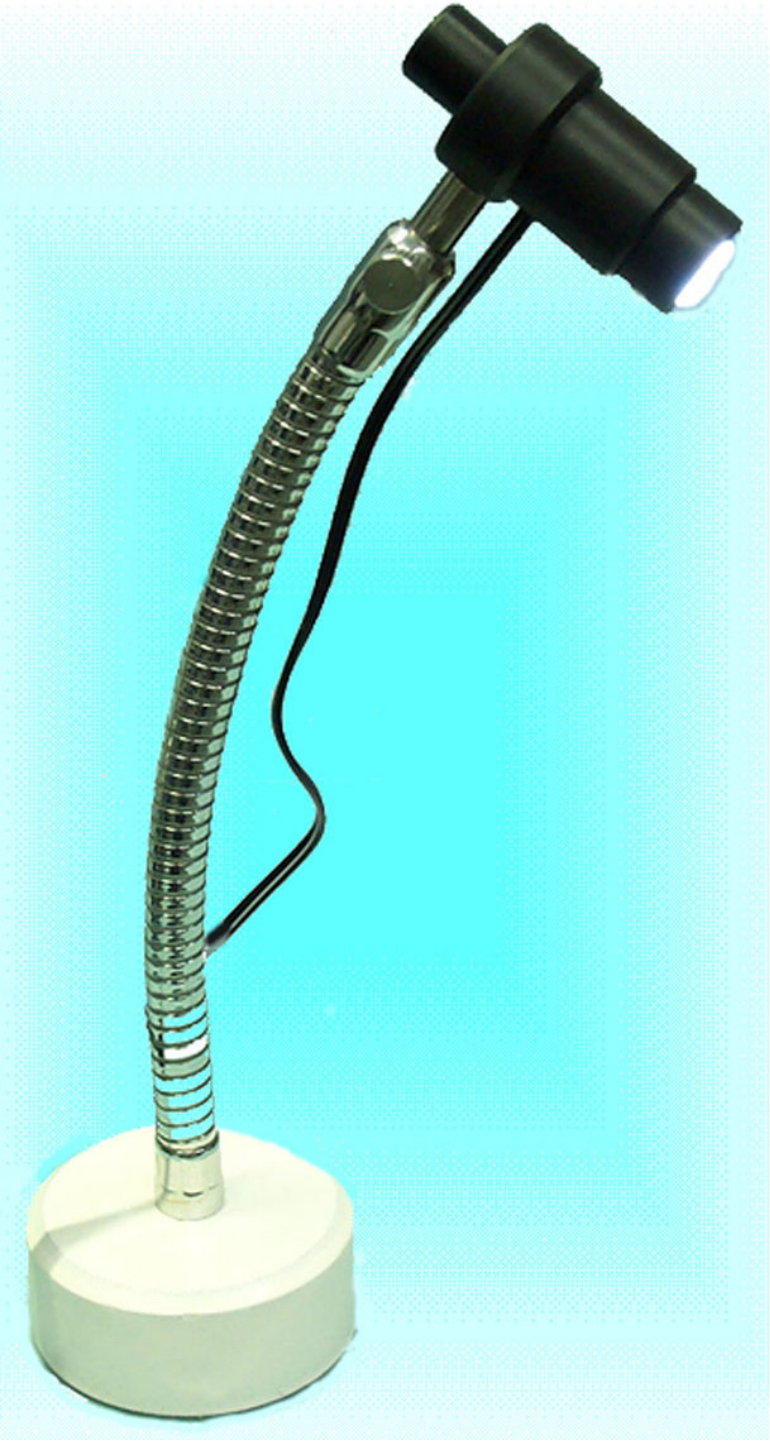
Solid state light sources are featured by a number of advantages and can be used in many applications instead of conventional sources.

Main advantages of solid state sources are: small dimensions, high light level with low power consumption and no high temperatures and extremely high MTBF.

With Semicon Synapsis solid state light sources it is possible to replace cold light fiber optics sources without having bulk light generators.

It is also possible to provide portable light sources, with long battery life, for field applications.

Many different shapes of light sources are available, and special applications can be developed on request.



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MAIN FEATURES:

Solid State Source with intensity adjustment;

Light colour: on request white, amber, blue or green;

Power supply: portable versions: 3 Vdc, rechargeable Ni-MH batteries for more than 6 hours of continuous operation; laboratory versions: 12 Vdc with 220 Vac power supply;

Light intensity: Depending on used emitters (standard version with 7 high power white emitters is equivalent to a 60 W conventional lamp)

Standard version: 7 emitters, overall dimensions 27 mm diameter, 65 mm lenght; one M6 standard hole for mounting;

Other versions available: single extra high power emitter with flexible stand, ring versions.

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