

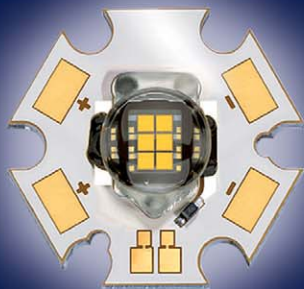


VISIBLE

OSTAR[®]-Lighting

Truly bright – different shades of white

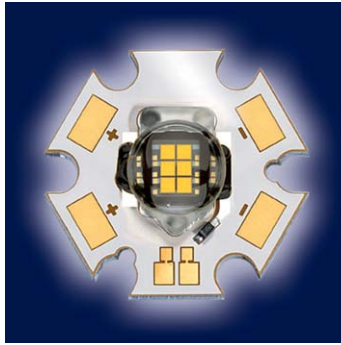
In architecture, health care and countless other applications, OSTAR[®]-Lighting from OSRAM Opto Semiconductors is the light source of choice. Available in four- and six-chip versions and with or without a lens to give lighting designers optimum flexibility, it delivers light with exceptional lumen output. Plus, with a long lifetime it offers outstanding reliability.



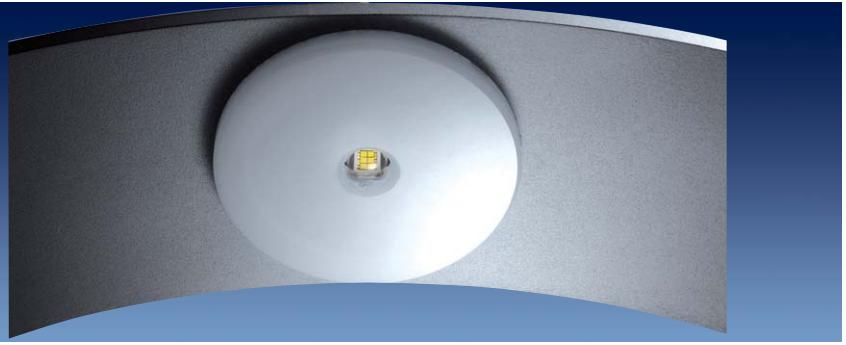
Opto Semiconductors

OSRAM

OSTAR®-Lighting



OSTAR®-Lighting.



OSTAR® design lamp.

Advantages

With the power of the new OSTAR®-Lighting, you will be amazed at the advantages it offers.

Illumination power

The OSTAR®-Lighting generates high luminous intensity. The brightest white can be achieved with more than 400 lm @ 700 mA.

Optical power

The new OSTAR®-Lighting is a pure surface emitter, characterized by true Lambertian radiation characteristics. This allows for effective light coupling into optics.

High flexibility

The OSTAR®-Lighting offers you the greatest design flexibility, because it is available with four or six chips. It can also be ordered without a lens for use with optics. The hexagonal shape enables tight packing density. In addition, the package has small dimensions and a low height of less than 7 mm.

Best reliability

The OSTAR®-Lighting is very reliable due to its long product lifetime (up to 50,000 hours depending on operating conditions) and low thermal resistance.

Features

The new OSTAR®-Lighting has so much power that you won't believe your eyes.

- Hexagonal shape with holes for precise adjustment of external optics
- Pure white is achieved by chip level conversion, simplifying the use of optics and lenses.
- Integrated primary lens with Lambertian beam shape increases light output by 40 %.
- The OSTAR®-Lighting is characterized by low thermal resistance < 4 K/W and high max. forward current.
- The package comes with high ESD protection > 2 kV.
- Simple assembly with screws or springs using locating features
- Electrical connection: Soldering of wires on solder pads or use of spring types
- The OSTAR®-Lighting is lead (Pb) free and RoHS compliant.

Applications

The new OSTAR®-Lighting proves its power in the following applications:

Architectural

- Design and effect lighting
- Room lighting
- Spot lights

Replacement of low voltage incandescent lamps

- Table lamps
- Torch lights
- Under cabinet lighting

Medical

- Microscope illumination
- Emergency lighting

Communication

- High-end strobe lights

OSTAR®-Lighting on Internet:

www.osram-os.com/ostar-lighting

For further information on the available products please visit our product catalog at <http://catalog.osram-os.com>

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