



OSTAR[®]-Observation

Simply best-in-class

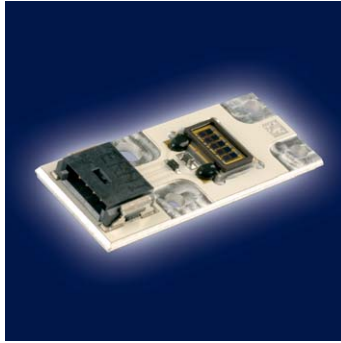
OSRAM Opto Semiconductors' innovative OSTAR[®]-Observation LED offers you the most powerful infrared LED array in the world. Designed specifically for CCTV applications and for use in night vision equipment, they deliver a wavelength specially adapted to CMOS/CCD camera systems.



Opto Semiconductors

OSRAM

OSTAR®-Observation



OSTAR®-Observation.



Night vision system.

Advantages

- High optical IR output, even in continuous operation
- Compact size, with easy-to-mount standard connector
- Certified for automotive applications at temperatures up to 125 °C
- Exceptionally low thermal resistance for optimum thermal management

Features

- Small dimensions, big performance
- Wavelength suitable for CCD and CMOS cameras
- Package with standard connector – easy to mount
- Other geometries possible
- Low thermal resistance
- Efficient Thinfilm technology offers continuous performance increases in the future
- Lambertian radiator – suitable for external optics

Applications

OSRAM Opto Semiconductors' innovative OSTAR®-Observation LEDs are the optimum choice when you need to cover long distances and monitor extensive areas with infrared light, especially in applications that require continuous operation and/or high ambient temperatures.

Products

- OSTAR®-Observation IR LED
- SFH 4730 – black frame (reduces stray light)
 - SFH 4740 – white frame

Technical Data

SFH 4730

Size: 3.3 x 1.35 cm
Output power: 3.6 W at 1 A forward current (target: 5 W)
Thermal resistance: 4 K/W
Wavelength: 850 nm
Package type: Black frame

SFH 4740

Size: 3.3 x 1.35 cm
Output power: 3.6 W at 1 A forward current (target: 5 W)
Thermal resistance: 4 K/W
Wavelength: 850 nm
Package type: White frame

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