



LIGHTS ON, GERMS GONE.

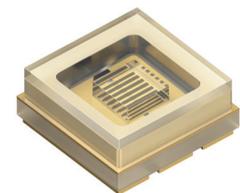
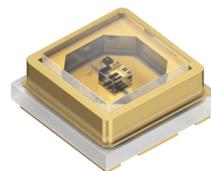


UV-C LEDs from ams OSRAM

Imagine a world in which light makes your everyday life healthier, safer and more pleasant. With UV-C solutions powered by ams OSRAM, this vision becomes reality. The OSOLON® UV series is designed to provide efficient UV-C radiation for but not limited to medical, home goods and consumer applications. It allows for flexible designs for various types of UV-C applications in the areas of air, water and surface disinfection and purification, as well as treatment or sensing. Design possibilities are endless, and range from point-of-use water treatment, automotive interior disinfection to air purification in portal devices or air conditioning systems.

Key Products

OSOLON® UV Series



Key Features	4.7 mW OSOLON® UV 3636 - SU CULBN1.VC	13.5 mW OSOLON® UV 3636 - SU CULCN1.VC	42mW OSOLON® UV 3636 - SU CULDN1.VC
Packaging	Ceramic package with integrated glass cover		
Chip Technology	AlGaN based Flip chip		
Typ. Radiation	120° (Lambertian emitter)		
Color	$\lambda_{\text{peak}} = 275 \text{ nm}$ (ultraviolet (UV-C))		
ESD	2 kV acc. to ANSI/ESDA/JEDEC JS-001 (HBM)	2 kV acc. to ANSI/ESDA/JEDEC JS-001 (HBM)	5 kV acc. to ANSI/ESDA/JEDEC JS-001 (HBM)
Radiant Flux	typ. 4.7 mW	typ. 13.5 mW	typ. 42 mW
Radiant Efficiency	typ. 2.6 %	typ. 2.4 %	typ. 2.1 %

The OSOLON® UV family combines both low and mid power with a robust, small, flexible design - reliable and efficient radiation output.

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Key Applications

- UV-C Air Disinfection
- UV-C Surface Disinfection
- UV-C Water Disinfection
- Smoke/Dust/Particle Sensing
- Curing applications
- Treatment in the chemical industry

Block Diagramm

Gas Sensing & Analytical/
Medical Instruments



Disinfection & Purification



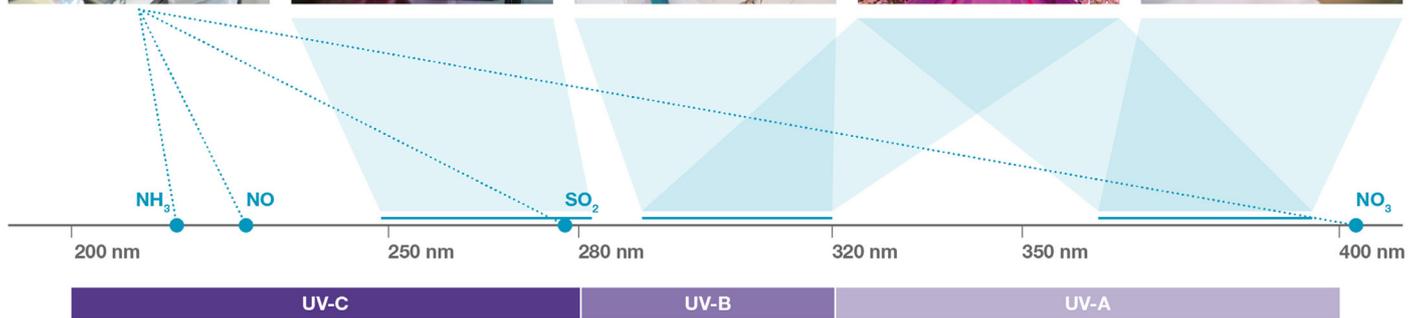
Medical



Horticulture



Curing



UV-C LED Technology Campaign Video

