



UV LED for Antimicrobial Light

Features:

- Innovating visible light spectrum for anti-microbe
- Non-UVC antimicrobial light provides both illumination and antimicrobial protection

Suitable Environment:

- Hospital
- Bathroom
- Kitchen
- Indoor public place

How does antimicrobial light work?

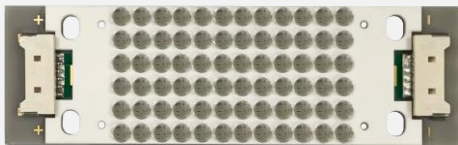
- Antimicrobial light wavelengths initiate a photo-reaction with endogenous non-iron porphyrin molecules found only in microorganisms.
- The porphyrin molecules are photo activated.
- Light frequencies excite the porphyrins, causing a break-off of excess Reactive Oxygen Species (ROS).
- This causes irreparable damage within the cell and ultimately destroys the inside out.

	Antimicrobial light
Wavelength	405nm(visible light)
Reason	Break-off excess ROS that destroys cell
Suitable Environment	Antimicrobial LED lights can be used continuously and unrestrictedly people, animals and plants.
Safety	<ul style="list-style-type: none">• Not dangerous• Certificated by EC/EN 62471

UVA COB for UV Exposure System

Features :

- Uniform energy distribution
- Inorganic quartz lens to deliver UV penetration > 90%
- 30° quartz lens to deliver more focused energy



Product Type	PBCD
Wavelength (nm)	365 ~ 400
Power (W)	200
Radiometric Power (W @ 4200 mA)	54.4 ~ 74.2