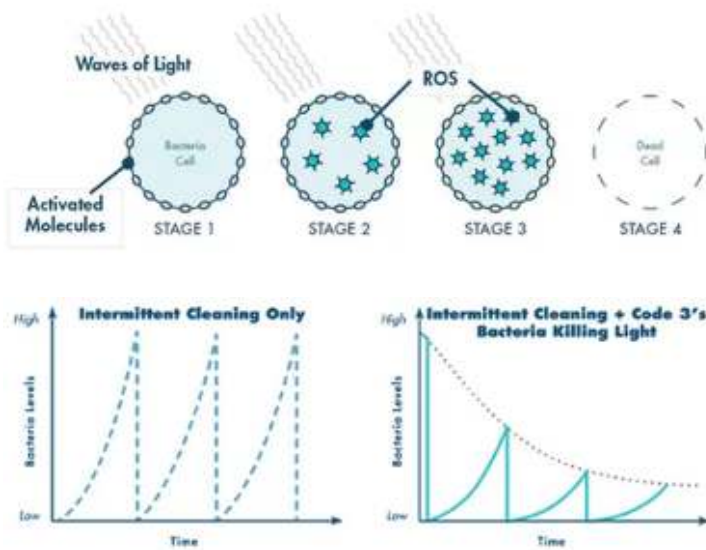


# Case Study

## ECCO's Bacteria Killing Patient Compartment Light

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### Always On, Always Protected

ECCO's Patient Compartment Light powered by Vital Vio's VioSafe™ Technology provides continuous disinfection of bacteria on objects and surfaces, while providing safe illumination with its precisely engineered wavelengths of visible light.

### Bacteria Killing Patient Compartment Light

Keeping the patient area of an ambulance clean for each and every patient is critical to keeping the ambulance road ready. Unfortunately, because of the fast-paced nature of the job, and the unexpectedness of each call, bacteria can spread throughout the patient compartment quite easily and frequently. Each time a new person enters the ambulance, new bacteria is introduced and deposited, leading to constant build-up of bacteria on surfaces, especially on high-touch surfaces.

### The Science

ECCO's Patient Compartment Light powered by Vital Vio Technology provides surface disinfection in addition to providing white light to illuminate any emergency service response vehicle workspace. Vital Vio's precise spectrum of visible light works to disinfect by initiating a photo-activation of porphyrin molecules found in bacteria, yeast, and fungi. This photo-activation leads to the production of reactive oxygen species (ROS). In high doses, ROS causes irreparable damage to the cellular structure, which leads to bacterial cell death. These activated molecules are unique to bacteria, yeast, and fungi cells, and are not found in human or animal cells, making this spectrum of light safe to be used continuously around humans and animals.

### Product Information

The ECCO Patient Compartment Light powered by Vital Vio can be easily installed or retrofitted into existing industry standard cutouts.

### Design Features

- VioSafe™ technology
- Clear polycarbonate lens
- Fits in an industry standard 7.0" cutout
- 48 LEDs
- Bright and dim mode available
- Compartment light part numbers: PCL-LED-VV and PCL-LED-VV-P (with Deutsch connector)

### Specifications

- 9" diameter (229 mm) x 0.5" depth (13 mm)
- Effective lumens: 750 bright mode and 250 dim mode
- 12-24VDC
- KKK-A-1822F certified and AMD compliant
- Internationally certified by IEC and UL
- 5-year warranty

