



Disinfection

SteriWhite Air Q115

for UVC disinfection of ambient air in rooms
with constant occupancy

Effectiveness of our UV lamps at
inactivating SARS-CoV-2 (COVID 19)
on surfaces confirmed
by accredited S3-laboratory

System-Features

- Equipped with high-performance UVC low pressure lamps
- Meets all safety guidelines for UV irradiation
- Modern Design
- With floor stand or for wall or ceiling mounting

Advantages

- Chemical-free air disinfection
- Inactivation rate up to 99,99 % for viruses, germs and mould spores on surfaces
- No ozone formation
- Very low operating noise

SteriWhite Air Q115

Chemical-free UVC disinfection of ambient air

The **SteriWhite Air Q115** is a highly efficient disinfection system for reliably inactivating micro-organisms in ambient air.

Powerful and **very silent fans** (< 39 dB(A); decibel scale of quiet apartment: 45 dB(A)) inside the housing generate a continuous airflow through the disinfection system, where it is irradiated by UVC low pressure lamps.

Active principle: High-energy shortwave UVC rays penetrate the cell membrane or viral envelope and disrupt the base building of RNA or DNA by triggering the formation of pyrimidine-dimers and uridine-hydrates. The genetic information is destroyed, bacteria, viruses (e.g. COVID-19, influenza) and spores can no longer proliferate. The chain of infection is broken.

In the laboratory, an inactivation rate of 99,99 % was confirmed for SARS-CoV-2 viruses on surfaces.

With SteriWhite Air Q115 function meets form: Due to its modern design the UVC disinfection system fits in any interior. Its powder-coated sheet steel housing combined with specially developed light traps prevent the leaking of UV irradiation. In addition, no ozone is generated. Thus, SteriWhite Air Q115 does not only meet the safety guidelines for UV irradiation but **can also be used in all rooms with constant occupancy without any health risk.**

SteriWhite Air Q115 is a plug & play disinfection system (connection cable: 3 m) which is available either with a floor stand or alternatively can be mounted to the wall or ceiling. It is simply switched on and off by pressing a button.

Our UVC lamps have an extremely long-life service of up to 16.000 operating hours. A service-display on the housing gives an early warning for the rare lamp exchange.

Application fields

Rooms with constant occupancy, especially where a low sound emission is demanded:
e.g. surgeries, treatment rooms, laboratories, shops, retail stores, bars, clubs, cafeterias, refectories, restaurants, hotels, schools, retirement or special care homes, meeting rooms, conference rooms, receptions, waiting rooms

Occupational safety

SteriWhite Air Q115 meets the following EG guidelines: CE, EMV 2014/30/EU, Low voltage guideline 2014/35/EU, RoHS 2, 2011/65/EU, **DIN EN 62471 photobiological Safety.**

Technical data

Air volume fans	ca. 160 m³/h
Air flow rate*	ca. 115 m³/h
Dimensions (HxWxD) **	600 x 600 x 100 mm
Wavelength UVC lamp	254 nm
Operating hours UV lamp	up to 16.000 h
Supply voltage	230 V / 50 Hz
Power consumption	ca. 60 W
Sound level	< 39 dB(A) (1 m distance)
Weight	ca. 15 kg

* in standard room air: 20°C, 50 % humidity

** dimensions can vary depending on way of mounting / foot



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Operating parameters depend on production characteristics and may differ from the foregoing information.
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