

UVMATIC®TOWER

Key Features

COMPREHENSIVE DISINFECTION

UV-C lamps in both the main tower and the four detachable satellites emit UV-C light from just 10cm above floor level, effectively disinfecting low-lying objects. The main tower also features a downward UV-C lamp to ensure the floor beneath the device receives an adequate UV-C dosage during each disinfection cycle.

FLEXIBLE PLACEMENT OPTIONS

Designed for use in en-suite patient rooms, bays, and other challenging environments such as ambulances, the four detachable satellites provide 360° UV-C exposure. They can be positioned vertically, horizontally, or at an angle, ensuring optimal disinfection in a variety of settings.

PROVEN PERFORMANCE

Thoroughly tested and independently validated by leading global microbiologists in the UK & EU, with performance benchmarks compared against single UV-C towers.

SIMPLE TO USE

No installation or mapping is required. Simply select the number of towers to deploy and set the desired disinfection cycle time. Once the cycle is complete, the detachable satellites can be easily reattached to the main tower.

ADVANCED SAFETY FEATURES

Equipped with sensors to stop operation if someone is detected in the room, along with an emergency stop button on the main unit for added safety.

TECHNICAL SPECIFICATIONS

Main Unit Dimensions:

- Height: 183.1 cm
- Width: 55.2 cm

Each Satellite Dimensions:

- Height: 159.8 cm
- Width: 12 cm
- Depth: 12cm

Cable Length:

- Main Unit: 5 meters
- Each Satellite: 5 meters

Total Weight: 62 kg

Individual Satellite Weight: 8 kg

Electricity Consumption:

0.498 kW per 15 minutes

CE MARKING & LEGISLATION

The device is CE marked and tested under the following legislation:

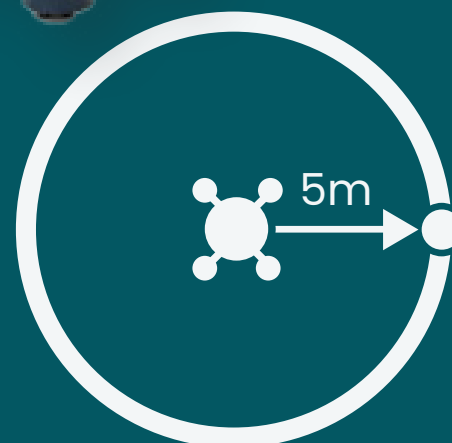
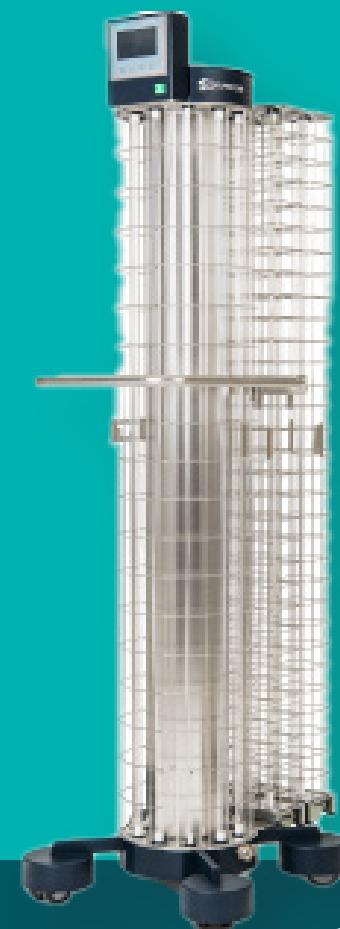
EN 55011:2009/A1:2010, Class A, Group 2

EN 55011:2016, Class A, Group 2

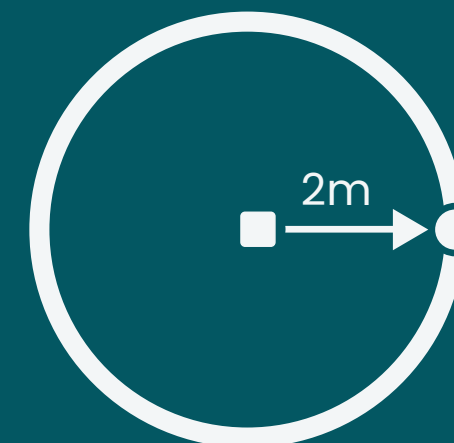
EN 55032-2012+AC:2013, Class A

EN 61000-6-2005

EN 61000-6-4:2007+A1:2011



The UVC-light has an effective radius of 5 meters from the main unit. The main unit has a documented efficacy from the floor up to 265 cm.



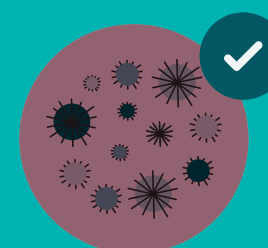
The satellite units have a 2-metre irradiation radius, used to disinfect areas not covered by the main unit.

PATHOGEN EFFICACY TESTING TO BS8628:2022



BACTERICIDAL

> LOG 5



VIRICIDAL

> LOG 4



SPORICIDAL

> LOG 4



YEASTICIDAL

> LOG 4

Request a copy of our efficacy reviews, which provide detailed test results demonstrating effectiveness against the most resistant pathogens commonly found in healthcare settings.

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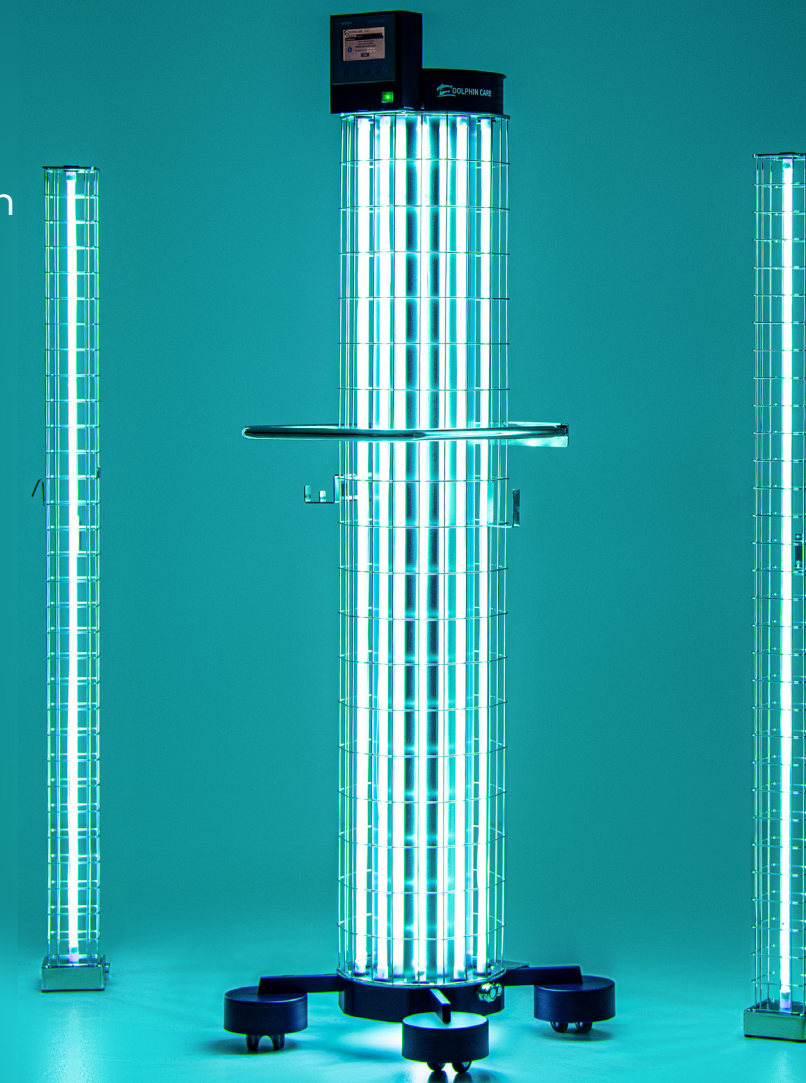
UVMATIC®TOWER

Introducing a New Standard in Total Room UV-C Disinfection

In the fight against healthcare-associated infections, the effectiveness of UV-C disinfection is often sacrificed for speed.

The UVMATIC® TOWER addresses this challenge head-on, offering healthcare professionals a solution that is both highly effective and fast.

Now in use across the
UK, Denmark, France,
and Germany.




DDCDOLPHIN.COM

EASY TO USE

With no prior install needed, operation couldn't be easier.

Simply select the number of towers you wish to operate followed by the total disinfection cycle time and off you go.



ALL ROUND, 360°, TOP TO BOTTOM COVERAGE

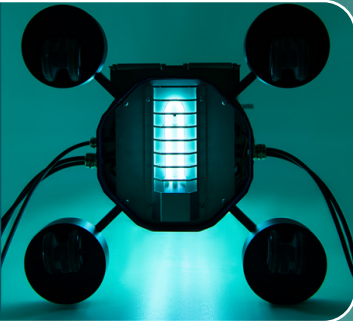
Starting at just 10cm above floor level, the lamps are able to radiate UV-C light directly under and around low lying objects such as beds, chairs and toilets.

FULL FLEXIBILITY IN TOWER PLACEMENT

Each of the 4 additional towers work vertically, horizontally or angled to ensure even the most hidden surfaces receive sufficient UV-C dosages.

100% COVERAGE

The main tower is fitted with an additional, floor facing UV-C lamp that ensures the area below the device is exposed to sufficient dosages during the disinfection cycle.



Radiating from 5 positions simultaneously is logically **5 times faster** than radiating from a single position five times.

EXTENSIVE SAFETY

Every device is equipped with sensors that detect when someone enters a room during disinfection. Additional emergency stop buttons are also found on the warning signs outside.



EFFICACY AGAINST BED BUGS

Effectively disinfects bedding areas, targeting bed bugs and other pathogens in hard to reach spaces during each disinfection cycle.



A deeper look into the Time & Financial Savings

UV-C devices must be repositioned to overcome shadow and distance limitations for effective disinfection. To ensure all critical surfaces receive adequate UV-C exposure, hygiene professionals often irradiate from multiple positions. However, this adds **TIME** and **EXTRA LABOUR**.

Consider a single-bedded room with a bathroom requiring 5 positions. With 5 minutes per position, 2 minutes for lamp warm-up, and 2 minutes for repositioning, the total disinfection cycle time adds up to:

$5 + 2 + 2 \text{ mins} \times 5 \text{ positions} = 45 \text{ mins (total)}$



The key advantage of the **UVMATIC®TOWER** over its competitors is its ability to irradiate all 5 positions simultaneously.

$5 + 2 + 2 \text{ mins} \times 1 \text{ position} = 9 \text{ mins (total)}$



Based on these calculations, we can conclude that the **UVMATIC®TOWER** achieves the same level of coverage in just 20% of the time needed by a standard device.

Study Conclusion



“The **UVMATIC®TOWER** if operated at 15 minutes emission time could reduce operation time by over 50%, and also because of flexibility of placement of the tower and satellites should increase the number of areas attaining maximum exposure compared to a single tower system.”

Professor Val Edwards Jones PhD, CSci, FIBMS