

Dolphin Care UV-C Room Disinfecter Serie 1/2021

FUNCTION

The Dolphin Care UVC Room Disinfecter is a chemical free disinfecter, which rapidly disinfects contaminated rooms by radiating UVC light from units placed on the floor. The UV-C radiation shines through air and on surfaces, destroying the DNA and RNA of affected bacteria, fungi, and viruses. This includes the elimination of:

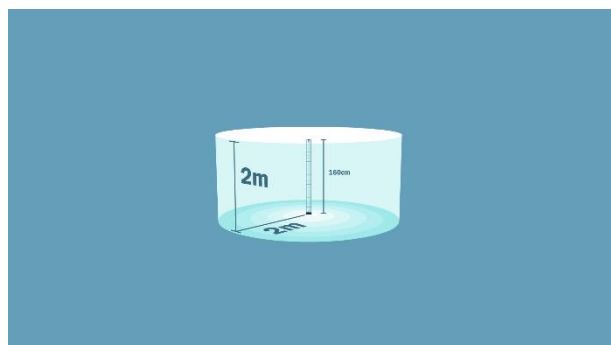
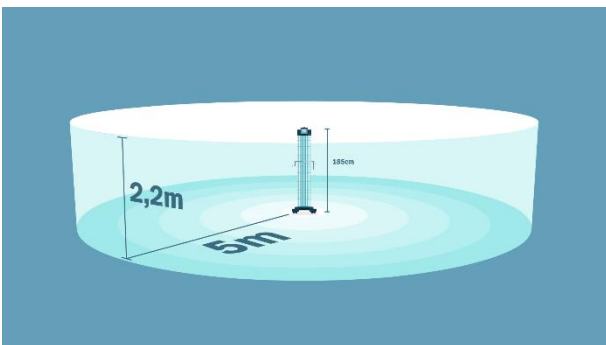
- MRSA (Methicillin-resistant *Staphylococcus aureus*)
- ESBL producing Gram-negative bacteria (Extended spectrum beta-lactamase)
- Multi-drug resistant strains of *Pseudomonas aeruginosa* (MDRPA)
- VRE (vancomycin-resistant enterococci)

USAGE

The Dolphin Care UVC Room Disinfecter is used to disinfect contaminated rooms. The UVC light has an effective radius of 5 meters from the main unit. Thus, the unit will perform an effective disinfection in rooms up to 100 m².

The main unit has a documented efficacy from the floor up till 2,20 cm in the height

The satellite units have an effective irradiation radius of 2 meters and are used to disinfect hidden areas, such as bathrooms, separate entrances or similar areas which are not covered by the light from the main unit.



DESCRIPTION OF UV LIGHT

12 XL and 1 S UV-C lamps.

CABLE AND ELECTRICITY

The unit is equipped with a 6 m cable. The cable has three legs plug (earth) and operates at 230 Volt. Each satellite has a 10-meter cable connected to the main unit.

CONTACT

Dolphin Care ApS, Copenhagen, Denmark | info@dolphincare.net | www.dolphincare.net

SAFETY INSTRUCTIONS

No persons must be present or enter the room while the unit is in use and the door(s) must be closed. The accompanying caution signs must be placed in front of the door(s) while the Disinfector is in use.

In case of emergency, the disinfection process can be stopped by using the UVC switch-off bottom placed at the caution signs or by using the emergency stop bottom at the top of the main unit.

If necessary, to enter the room during the disinfection process glasses will avoid irritation of the eyes.

DURABILITY AND SERVICE

To keep the same level of efficiency the UVC lamps must be changed once a year.

Please contact Dolphin Care or their local representative for service.

DISPOSAL INSTRUCTIONS

Dispose the unit as electronic equipment.

Dispose used UV lamps as hazards waste.

CE MARKING AND LEGISLATION

The Dolphin Care Room Disinfector is CE marked and is tested under legislation number:

- 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

UV DOSE MAIN UNIT:

Test of room disinfection unit at Rigshospitalet, Denmark

Dose (J/m²) after 15 minutes

	Distance in meter from room disinfection unit				
	1	2	3	4	5
H 222 cm	3.805	3.006	2.020	893	705
e 148 cm	13.906	5.555	2.580	1.684	728
i 112 cm	18.269	6.009	2.755	1.431	746
g 74 cm	20.017	6.484	2.934	1.816	770
h 43 cm	16.295	5.718	3.044	1.847	779
t At floor	11.793	5.505	3.047	1.804	820

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Dimensions main unit:	H: 183,1 cm W: 55,2 cm
Dimensions each satellite:	H: 159,8 cm W: 17,6
Cable length main unit:	6 meters
Cable length each satellite:	10 meters
Total weight	62 kilos
Electricity consumption:	0,498 kw/15 minutes