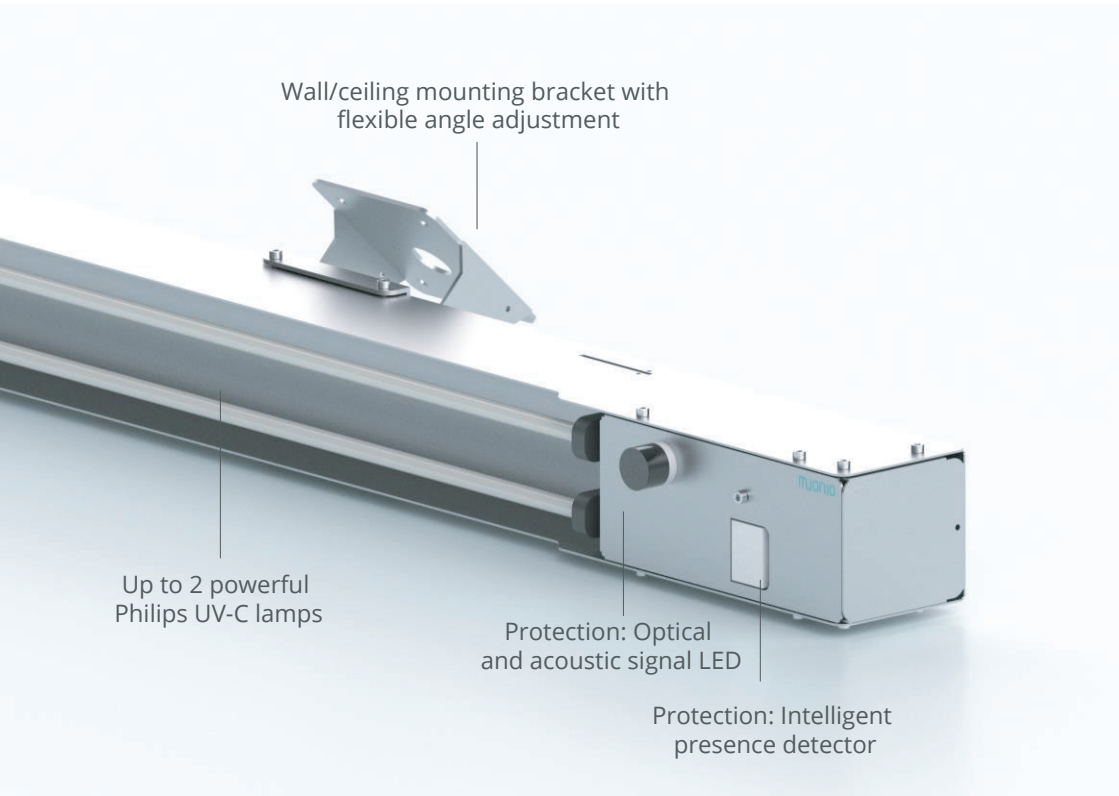


MUONIO

FRESH & INTELLIGENT

Neutralizes and Sanitises Room Surfaces Protecting against Coronavirus and other Viral and Bacterial infections using UV-C Light



Wall/ceiling mounting bracket with
flexible angle adjustment

Up to 2 powerful
Philips UV-C lamps

Protection: Optical
and acoustic signal LED

Protection: Intelligent
presence detector

Muonio Clean UV-O 110/ UV-O 55 Surface Disinfection UV-C Lamp

What is the Muonio UV-O?

The revolutionary UV-O is an active UV-C sanitising solution for unoccupied room surfaces and air. It safely and efficiently disinfects spaces where harmful pathogens could exist.



How does the UV-O Work?

When operated, it works towards eliminating Viruses, Bacteria & Fungi, Including SARS, Coronaviruses and mould, exposing the micro-organisms to the UV-C light.



What does the UV-C light do?

The UV-O disinfects exposed surfaces and air.



What protective safety measures warn against unauthorised room entry during disinfection periods?

Three-stage UV-L light protection - warning light, audio signal and movement detection.



Are there any other benefits to having a UV-O Unit?

The UV-O is effective against all kinds of odours and harmful VOC - Volatile Organic Compounds.



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How is the UV-O unit Operated?

Single or multiple UV-O units can operate by local power-switching or timer control or controlled remotely via the Muonio Mobile phone or PC App.

MUONIO UV-O

Variants	UV-O 110 (UV-O 55)
Mounting	Horizontal/Vertical ceiling or wall mounting
UV-C Lamp Power	2 x 55 W (1 x 55 W)
Three Stage Protection	LED signal with audible alarm and presence detection with incorporated delay function
Irradiance at 1m Distance	300 $\mu\text{W}/\text{cm}^2$ (150 $\mu\text{W}/\text{cm}^2$)
Dimensions	1201x 106 x 100 mm

Possible Applications

Safe and effective air disinfection including odour neutralization in public and private buildings:

The average person spends 90% of their time indoors where normal air quality is 2-5 times worse than outdoor conditions. Indoor air can have up to 900 more potentially dangerous chemicals held in the air and on contact surfaces.

- Schools
- Hospitals
- Nursing homes
- Restaurants
- Offices
- Hair/Beauty salons
- Leisure & fitness facilities
- Public transport
- Private households
- and more ...

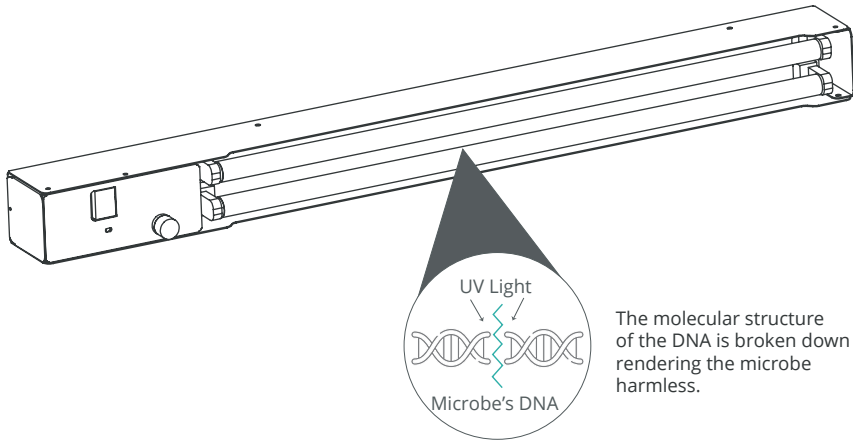


Operating Principle

The UV-O lamp effectively disinfects all exposed surfaces and air within the range of the UV-C Lamps

UV-C radiation is a known disinfectant for air, water and nonporous surfaces and has been used for combating various diseases for many years.

UV-C lamp effectively eliminates harmful microbes (including the SARS-CoV-2 virus) directly exposed to radiation by breaking down their DNA structures.



The UV-O is mountable with an adjustable bracket on walls or ceilings, allowing for simple angle adjustment to enable maximum protective coverage.

Tips & Safety:

- To maximise effectiveness, ensure the space is clean and clear of debris
- Avoid UV-C exposure to skin and eyes
- Disinfection time should be prolonged for temperatures above 40°C and below 20°C
- exposure time relative to the subject's distance from the lamp.

CDC's Recommendations for Use:

- The CDC recommends a UV lamp intensity of 40 $\mu\text{W}/\text{cm}^2$ at the center of the work area to ensure decontamination
- Required times according to space size:
 - 20 m² - 10-15 min
 - 30 m² - 15-30 min
 - 40 m² - 30-60 min

Backed by Science

Ultraviolet germicidal irradiation (UVGI) breaks down certain chemical bonds and scrambles the structure of the organism, making it unable to reproduce within the host and no longer infectious.

Tests conducted on the effectiveness of the MUONIO UV-L 110 (UV-C radiation) unit, according to Standard EN 13098:2019 – (Measurement of airborne microorganisms and microbial compounds) including the multidrug-resistant strains, confirmed a highly-efficient reduction in the number of microorganisms. ¹

Signify and Boston University have validated the effectiveness of UV-C in inactivating 99% of SARS-CoV-2 Virus within 6 seconds. ²



¹Andrija Štampar Teaching institute of public health (<https://www.stampar.hr/en>), test report nr. 05206-2 00031/21, available on request.

²<https://www.signify.com/en-gb/our-company/news/press-releases/2020/20200616-signify-boston-university-validate-effectiveness-signify-uv-c-light-sources-on-inactivating-virus-that-causes-covid19>

This product is part of a comprehensive, digitally networkable modular system that combines all ventilation, air quality & heating/cooling requirements

FIND OUT MORE ABOUT OUR OTHER PRODUCTS
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