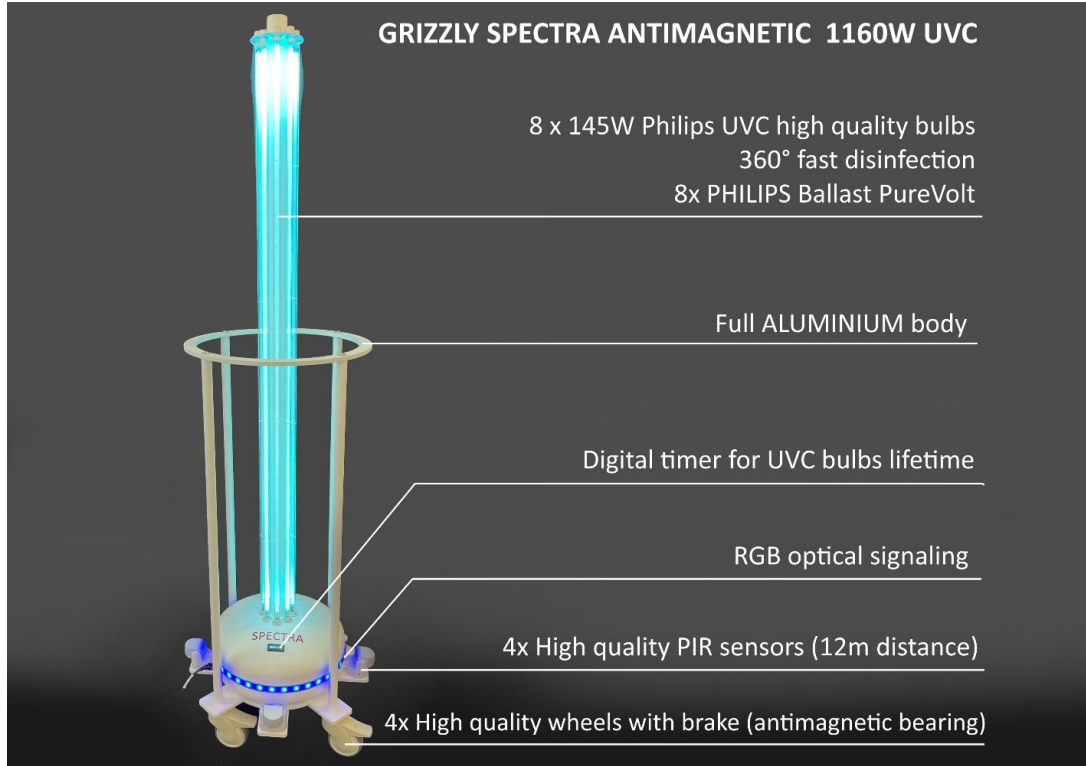


Open (direct) UVC disinfection system – GRIZZLY UVC SPECTRA ANTIMAGNETIC



PARAMETERS:

UVC Device power: 1160W

Supply voltage: 230V / 50Hz

Special device without ferromagnetic elements.

Construction material: Aluminum with the possibility of fitting plastic wheels with a stainless steel pin.

Equipment electronics without metal covers and parts, stored in ALU covers.

Fluorescent lamp bases - plastic

IP: 20

Control type: Intelligent remote control with timing options

Safety: 4x PIR sensor for 360 ° motion sensing (in case of motion detection deactivates the tubes for 2 minutes)

Power of germicidal radiation: 1160W

Wavelength: 253.7nm

Beam angle: 360 °

UVC lamps: 8pcs - 145W, manufacturer PHILIPS

Lamp life: max. 18,000 hours

Weight: 24 kg

Device height 191cm, base diameter 56cm

Optical signaling of ongoing disinfection by open radiation

Built-in digital meter for operating hours of UVC tubes

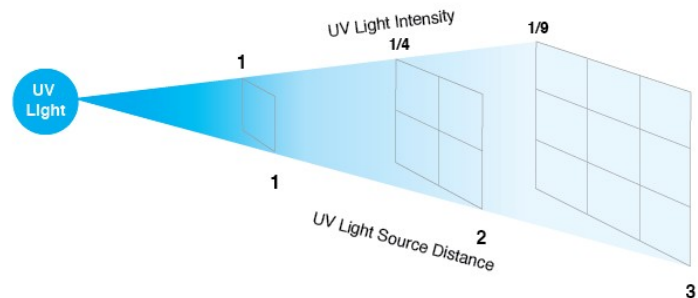
Suitable for spaces up to 100 square meters

INTRODUCTION:

Germicidal radiation is an artificial radiation from the UV part of the spectrum. In terms of air sterilization, radiation in the range of 280 to 200 nm is most effective. GRIZZLY devices produce ultraviolet radiation with a wavelength of 253.7 nm.

UV radiation of this wavelength disrupts and destroys the ribonucleic acids found in the cells of living organisms. As a result of radiation, changes in the structure of cells occur. Cell division is inhibited and completely stopped at a certain dose of UV radiation.

Inverse-Square Law of Light



Direct irradiation of the air in the room with UV radiation is the most effective way of sterilizing the air. It covers the entire volume of air, destroying germs even on walls and floors.

It is a homogeneous radiation that is able to destroy germs even in places where common disinfectants have not been applied (except for the shadow formed by obstacles).

Germicidal tubes have a lifespan of up to 18,000 hours. After this time, they need to be replaced.

Exposure times to this distance are very short for disinfection in the irradiated zone to be very effective.

The disinfection should therefore take place repeatedly at short intervals - e.g. after each client.

An open germicidal emitter is used to directly irradiate a room without the presence of people.

SAFETY REQUIREMENTS FOR THE OPERATION OF THE OPEN UVC LIGHT EMMITTER:

1. The location of the equipment must ensure that in no case can there be direct exposure of operating personnel or clients to hazardous UV radiation.
3. The remote control also allows you to set the on and off time.
4. Germicidal emitters may only be operated by persons properly instructed in the device operation and possible risks.
5. It is necessary to ensure regular (once a year) testing of the function of device, control of operating switches and other additional technical means.
6. The recommended exposure times must be observed. Due to the use of sources with a hot cathode (relatively high power of UVC radiation up to 0.5 m distance from the source), long exposure times are not necessary for the destruction of microorganisms.



The GRIZZLY SPECTRA ANTIMAGNETIC device is completely manufactured without the use of ferromagnetic metals. The fine electronics of electronic ballasts may contain a small amount of ferromagnetic metal and therefore it is necessary to ensure a minimum distance of 3m from the magnetic resonance device.

Connect the SPECTRA Antimagnetic device to the 230V / 50Hz mains, using the supplied el. cable.

The device lights up green around the perimeter, which means it is ready to start.

Use the ON / OFF button on the remote control to turn the device on or off. (Active channel UNIT -1)

Other functions of the remote control are described in the enclosed remote control operation manual.

When the ON button is turned on, the device turns on by the red light and the fluorescent lights turn on after 30 seconds.

The time of 30 seconds is used to leave the area where the disinfection will take place..

After 30 seconds, the UVC lamps will light up automatically and the device will turn blue.

If motion around the device is detected, all fluorescent lamps will turn off for a few minutes.

If no movement is detected after this time, the UVC lamps are switched on again.

After the recommended time has elapsed, switch off the UVC germicidal emitter immediately using the OFF button

Unplug the appliance if you do not intend to use it again.

If you need to move the device, secure the brakes on the plastic wheels.

RISK FROM EXPOSURE TO UVC RADIATION:

Exposure of people to UVC radiation can occur if:

- the emitter is incorrectly placed - when placed, it is necessary to ensure the direction of the light beams in the area out of the range of possible unwanted exposure.
- incorrect handling of personnel during operation and maintenance (personnel must be thoroughly trained and instructed on the principle of UVC disinfection as well as possible risks in case of unauthorized and incorrect handling of radiation sources).
- unforeseen failures

WARNING:



Since UV radiation is not accompanied by visible effects in addition to fluorescent light - color, odor and exposure are not accompanied by any warning signs, it is necessary in case of suspect of exposure, to monitor body signs for up to several hours.

UV damage can manifest itself in mild cases - within a few hours, severe burning in the eyes and redness of the skin, at larger and long-term doses - eye damage, skin burns, skin cancer.

As soon as the possible exposure to UVC radiation and manifestations of UV exposure are suspected, seek medical attention.

UVC-producing tubes are linear lamps containing mercury vapor without an inner layer of phosphorus.

In the event of their breakage, environmental contamination occurs by mercury, which is a toxic substance for the human body.

Disposal of fluorescent lamps in case of damage and after their service life corresponds to the toxic waste disposal regime.

UVC radiation causes aging and yellowing of plastics within radiation range.

GENERAL SAFETY INSTRUCTIONS:

- This appliance is not waterproof and may only be used indoors.
- Water damage is not covered by the warranty.
- Do not open the cover or perform any mechanical intervention.
- Only personnel over 18 years of age should manipulate the device.
- Do not touch or open the machine while the machine is running.
- Do not touch this machine with wet or damp hands.
- Keep the appliance out of the reach of children.
- Unplug the emitter when not in use.

GRIZZLY s.r.o. is not responsible for damage to persons or property caused by this product

nor for damages that may arise when the user handles this product in inappropriate manner. The user is responsible for the proper installation, operation and storage of this product.

SECURITY:

Arbitrary adjustment or modification of the device is not permitted for safety reasons.

Disposal



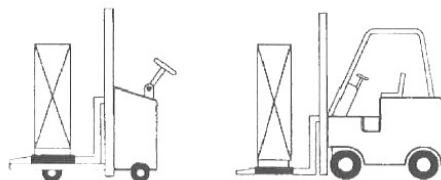
All products marked with this symbol belong to waste electrical and electronic equipment (WEEE according to Directive 2012/19 / EU of the European Parliament and of the Council) and should not be disposed of with unsorted municipal waste. Instead, in order to protect human health and the environment, you should dispose of waste from your facility at a collection point for the recycling of waste electrical and electronic equipment set up by government or local authorities. Proper disposal and recycling will help prevent potential negative consequences for the environment and human health.

Inspections and tests

During the use of the equipment, professional tests and inspections of the electrical installations of the equipment must be performed, according to the relevant directives of the countries in which the equipment is used and by technicians with professional competence for the given activity (SR -STN 33 1610). Repeated technical examinations and technical inspections must be carried out in accordance with the relevant directives.

Transport, assembly, storage

Transportation



Obligations before transport:

- switch off the power supply to reach a de-energized state,
- separate electricity supplies from the electricity grid,
- secure against movement all moving parts of the device,
- load the device on the truck with the utmost care prescribed by the handling mechanism

Obligations during transport:

- properly secure the equipment on the vehicle against slipping or tilting,
- handle the device with the utmost care - without shocks,
- move the vehicle at a stepping speed; the device can, when driving fast, especially when cornering, when accelerating rapidly, or overturning the braking of the vehicle, resp. fall or slip,

