



**UV-C 2020**  
DISINFECTING DEVICES

## ERASER 2020



**Automated portable device with UV-C light for disinfection of surfaces and air by ultraviolet radiation.**

### ADVANTAGES:

- Highly effective – in a short time disinfects the air and directly illuminated indoor surfaces – up to 80m<sup>2</sup>
- Reducing the cost of disinfectants.
- You save time, compared to other contactless disinfection technologies
- ERASER 2020 does not require supervision during operation
- OZONE FREE - 254nm ozone-free wavelength thanks to certified PHILIPS UVC sources
- No harmful emissions and the room can be used immediately after the appliance switching off
- Easy to set up and maintain
- Convenient for moving to different rooms with the help of a special handle.
- Use the automated ERASER 2020 in any room. The strong, light and comfortable design is an important point that will facilitate your work with the device.
- The IKIS team will train your staff and help you integrate UV-C disinfection into the established disinfection processes and protocols.



**IKIS SL**

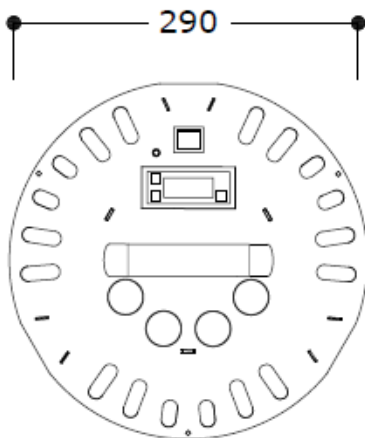
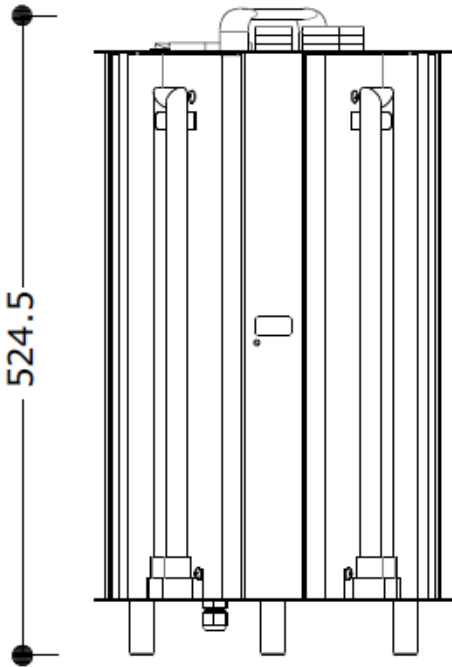


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ERASER 2020  
D290 x H524.5mm



### CHARACTERISTICS:

- Rapid disinfection of medium-sized premises
- ERASER 2020 is controlled by a controller which specifies:
  - Time for the unit operation start.
  - Operating mode duration.
  - Single cycle duration.
- Counts the UV-C radiation sources lifetime and signals when their replacement is needed.
- ERASER 2020 is safe to use.
- The appliance is equipped with sensors that will automatically switch off the device and the disinfection process when motion is detected in the room.
- Designed for use in hospital rooms, operating rooms, clinics, laboratories, pharmaceutical and food industries, offices, retail outlets, schools, kindergartens, homes, etc.
- ERASER 2020 - low operating price and minimal maintenance.
- There should be no animals or people in the room during disinfection.



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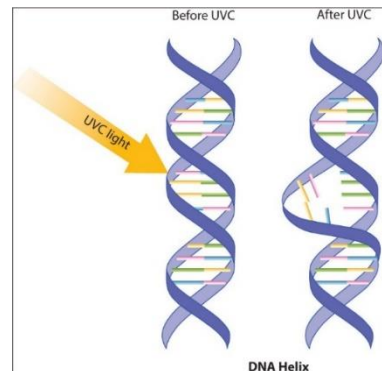
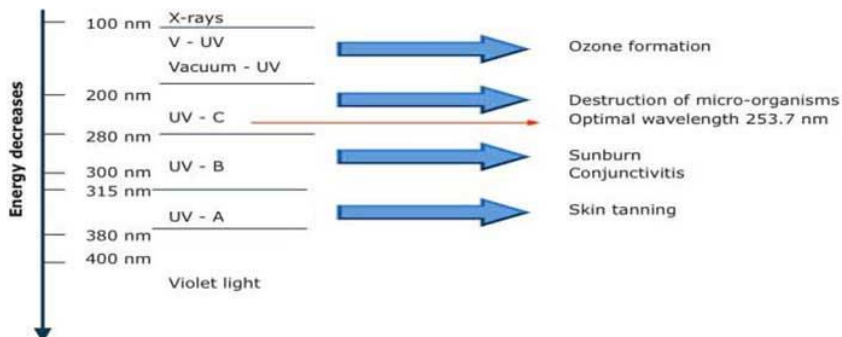
Model ERASER 2020 UV-C is equipped with PHILIPS TUV UV-C 254nm OZONE FREE sources, made of special glass that filters the harmful ozone-forming 185nm radiation.

The UV-C light disinfects surfaces and air through ultraviolet radiation, which aids disinfection through radiation damage to the DNA structures of all microorganisms – viruses, bacteria, yeast, mould. These surfaces must be exposed directly to the light emitted by the UV-C emitters.

Thus it stops the reproduction of microorganisms. For most cases, UV-C radiation with a wavelength of about 260 nm is the most effective. Mercury contained in light sources produces UV-C radiation in the very close effective spectrum of 254 nm, which has become the standard in the production of bactericidal lamps.



Philips TUV PL-L





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### TECHNICAL DATA

CAT. №	Dimensions D/H	Weight kg	Power W	PL-L UV-C	EVG
AA4421	290x524,5MM	6,5	116	PHILIPS	PHILIPS

- HOUSING: POWDER-COATED STEEL
- REFLECTORS: MIRROR ALUMINIUM
- DEVICE CONTROL MODULE
- MOTION SENSORS: 3 PIECES
- RADIATION ANGLE: 360°
- 10m LONG CABLE AND PLUG FOR PLUGGING INTO THE SHUKO SOCKET
- SUPPLY VOLTAGE: 220-240V
- DEGREE OF PROTECTION: IP20
- STANDARDS:  
**EN 55015:2013+A1:2015**  
**EN 60598-1:15+AC:15+AC:16+A1:18**  
**EN 60598-2-4:2001**
- DEVICE WARRANTY: 24 MONTHS
- UV-C LIGHT SOURCES WARRANTY: 12 MONTHS  
Lifetime (life cycle) 9000h on catalogue.  
Mandatory replacement at 6300h when reaching 70% of the life cycle





**DISINFECTION TIME**

Effect of EXTERMINATOR 2020 UV radiation on *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Escherichia coli*, *Enterococcus hirae* and *Candida albicans* for surface disinfection of 99.9%.

$\mu\text{W}/\text{cm}^2$ m <sup>2</sup>	34 $\mu\text{W}/\text{cm}^2$	16 $\mu\text{W}/\text{cm}^2$	11 $\mu\text{W}/\text{cm}^2$	6 $\mu\text{W}/\text{cm}^2$
15 m <sup>2</sup>	<b>10 min</b>			
30 m <sup>2</sup>		<b>15 min</b>		
50 m <sup>2</sup>			<b>20 min</b>	
80 m <sup>2</sup>				<b>30 min</b>

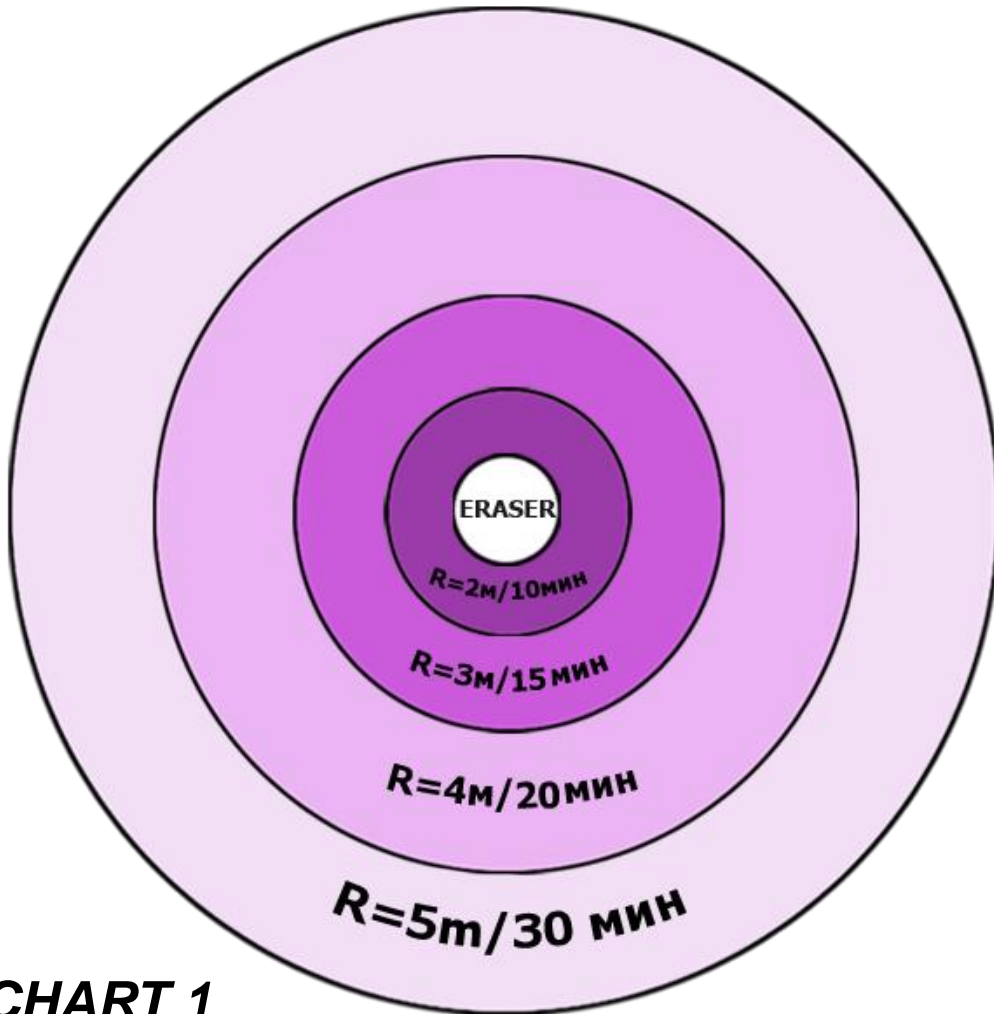
- $\mu\text{W}/\text{cm}^2$ - UV-C radiation intensity measuring unit.  
min.  $6\mu\text{W}/\text{cm}^2$  is required for quality disinfection
- The tests were performed when positioning the appliance centrally in the room
- Of the tested strains, *Enterococcus hirae* is the most resistant to UV-C radiation. This is the strain against which the bactericidal action of UV-C light is determined.



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DISINFECTION TIMES ARE VALID WITH A DISTANCE OF THE APPLIANCE TO THE DISINFECTION END POINTS NO LARGER THAN THE ONES SPECIFIED IN CHART 1



**CHART 1**

DISINFECTION TIMING IS UNDER PROTOCOL №81/20.05.2020 ISSUED BY A DISINFECTION, STERILIZATION AND BIO-INDICATORS LABORATORY AT THE NATIONAL CENTRE FOR INFECTIOUS AND PARASITIC DISEASES AT THE MINISTRY OF HEALTH OF REPUBLIC OF BULGARIA.