



Sanifica

ARIA

Beghelli

Beghelli



Continuous air purification, the “new” essential element for safety

For community safety, some environments such as offices, gyms, hospitals, schools, industrial facilities and blocks of flats require regular sanitizing treatment to massively act on every vegetative, bacterial or viral organism. Very often the term air purification is limited to cleaning or disinfection only; this process is much more complex and can be carried out in various ways. To reduce air contaminant load without interfering with people's habits, Beghelli created a technology that replicates and intensifies the natural purifying action of solar radiation, minimizing or eliminating any contaminants.

UvOxy® is an air purification system inspired by nature, which uses the technology of a flow cell internally illuminated by a UV-C source, through which takes place the forced circulation of air that comes out sanitized, keeping the process always effective and respectful of the environment and people. Light is the only element needed, and Beghelli has been using it for years to provide people with safety and comfort.

sanitization

professionale

twothousandandone

Beghelli

Subject index

Systems and luminaires p. 02

Sanitization technology p. 04

Laboratory tests p. 06

Hybrid devices with uvOxy® technology p. 12

Air sanitization

SanificaAria 30 p.08

SanificaAria 200 Connect p. 10

Emergency luminaires with integrated sanitization

Stile In SanificaAria p. 14

Pratica SanificaAria p.16

Formula 65 SanificaAria p. 18

Infinita SanificaAria p. 20

Lighting with integrated sanitization

Led Panel RTI SanificaAria p. 22

Modulo 600 SanificaAria p. 26

Examples of application p. 28

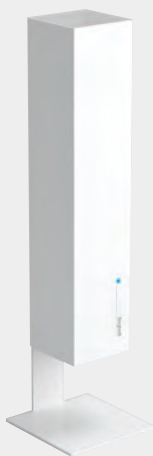
SanificaAria devices and control

devices with integrated air sanitization

SanificaAria30
BegHELLI

P. 08

8-12-24h



SanificaAria200
BegHELLI



P. 10

1 2 3

PROGRAMMABLE



SanificaAria

Stile In

P. 14

8-12-24h



TR

SanificaAria

Pratica

P. 16

8-12-24h



TR

AT

SanificaAria

Formula 65

3 P. 18

8-12-24h



TR AT



SanificaAria

Infinita

nuBe 3 P. 20

8-12-24h



AT-CBL LG LGFM DALI



SanificaAria

RTI LED Panel

nuBe P. 22

PROGRAMMABLE



AUTO-DIMMER SD



SanificaAria

Modulo 600

nuBe P. 26

PROGRAMMABLE



SD



SPECIFIC AIR SANITIZATION DEVICES

A range of devices specifically developed for air sanitization through a closed-chamber system saturated with UV-C rays, called uvOxy. The system, which is found on the entire SanificaAria range, can suck in contaminated air to give off sanitized air. The devices have varied sanitization capabilities and support different local or remote control systems.

BUILT-IN OR REMOTE CONTROL OF AIR SANITIZATION

SanificaAria 200 Connect has a Bluetooth transmitter for control via the SanificaAria Beghelli APP, which can be enabled as a local remote control to adjust fan speed and for air sanitization timing. The dom-E APP is also available for the remote control of SanificaAria 200 Connect.



SANITIZATION SYSTEM TIMING



UP TO 3 ADJUSTABLE SANITIZATION SPEEDS



SanificaAria



dom-E



HYBRID EMERGENCY DEVICES WITH INTEGRATED AIR SANITIZER

An uvOxy sanitization cell with a specific flow rate has been integrated in each emergency device to create a balance, in terms of installation distance, between air sanitization and the lighting technical characteristics of the device: the higher the luminous flux and the installation distance, the higher the sanitization flow rate.

CENTRALIZED EMERGENCY AND SANITIZATION CONTROL

Each Control Unit allows access to the Beghelli Cloud NuBe platform to remotely control the system. The B.connect APP allows local direct access to the device and thus a possibility to directly change sanitization parameters.



B.connect

Cablecom Connect
Order Code **20151**

CBL

Transmission of control and test data via the emergency device electrical system.

Logica Connect LG
Order Code **12100C**

LG

Control and test data transmission via a wired Logica BUS connecting the devices to the LG Control Unit.

Logica Connect LGFM
Order Code **12128C**

LGFM

RADIO transmission of control and management data of the device function tests.



HYBRID LUMINAIRES WITH INTEGRATED AIR SANITIZER

Ordinary luminaires with an integrated uvOxy air sanitization cell. Remote control system for lighting functions and the sanitizing rate (SD versions only), through the Beghelli Cloud NuBe platform, which can be accessed through the Logica SD LGFM control unit, which can also centrally control the emergency system (LGFM series only), sanitizing parameters included. The SanificaAria Beghelli APP is also available, which can be used as a local remote control to adjust fan speed and for air sanitization timing.

Logica SD LGFM
Order Code **21102**

SD **LGFM**



SanificaAria



UVoxy[®] TECHNOLOGY

UvOxy[®] technology: the Beghelli solution to sanitize air in civil and service sectors

The SanificaAria range has been designed to develop devices that can sanitize air through a closed-chamber system saturated with UV-C rays. The uvOxy[®] flow cell, which is the heart of the sanitization system, is presented herein below.

UV-C INTENSIVE EMISSION LAMP

CONTAMINATED
AIR INPUT

OUTPUT OF
DISINFECTED AIR

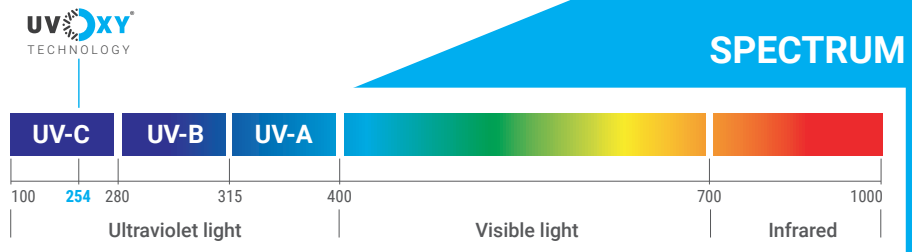
EFFECTIVE BEYOND ***99%** AGAINST BACTERIA AND VIRUSES

UV-C radiation is protected inside the chamber. The ventilation system transports the aerosols contained in the air and brings them in contact with the sanitizing light. Microorganisms contained in the so-called "nuclei" in the aerosols are deactivated as soon as they pass through the chamber thanks to a specific wavelength of UV-C light. At these parameters, maximum

susceptibility is obtained, that is, the higher germicidal capacity of UV-C radiation ensures a very high performance of the air sanitizing system. The effectiveness of the UvOxy[®] system has been successfully tested on various types of bacteria and spores that are much more resistant to UV-C radiation, when compared with the Coronavirus family.



Products with the uvOxy® sanitization cell feature multiple highly innovative technological solutions that Beghelli has protected with patent applications.



SAFETY AND EFFICIENCY OF A UV-C CONTROLLED EMISSION SYSTEM

The UV-C sanitization system that comes with the uvOxy® technology is designed to avoid harmful direct UV-C emissions. In nature, at certain wavelengths (including UV-C), ultraviolet rays are harmful to humans and other forms of life, but the earth's atmosphere protects us. By artificially recreating the rays, the UV-C lamps in devices with uvOxy® sanitizing cells are suitably shielded to prevent harming people. Another potential danger of these light sources is the production of

ozone. The uvOxy® technology has been designed to avoid the production of this dangerous gas. The air sanitizing process based on this technology has reached such a level of safety that it can be used even if there are people in the areas to be treated.

SAFETY

- Use of UV-C lamps (Ozone Free)
- Closed-chamber technology to prevent a direct contact of UV-C rays with people
- Compliant with the provisions in force on electrical safety and management of UV-C sources, including maintenance
- Tested according to requirements in ISO15714 and compliant with IEC 60335-2-65 (Air Sanitizer)

EFFICIENCY

- UV-C emission with a calibrated wavelength of 254 nm, effective on viruses and bacteria
- Instant sanitization of the sucked-in air thanks to a mirrored internal reflection system made of Mirror Silver aluminium
- Automatic temperature control of the UV-C tube temperature via a microcontroller, allowing the system to operate at maximum efficiency in all environmental conditions.

Thanks to the uvOxy® technology, SanificaAria Beghelli keeps the viral load in the environment low, drastically reducing the infection rate. The system effectiveness is not limited to Covid-19, it extends to viruses and bacteria in the air.



Sanitizing effectiveness proven by

PRODUCT TESTED ACCORDING TO STANDARD ISO 15714

Beghelli products use UV-C sources that irradiate the volume of air treated with enough energy to break down over ***99%** of microorganisms. GELT INTERNATIONAL, a scientific consultancy company, has assessed the germicidal efficiency tests carried out at the TECNAL laboratory using various microorganisms such as Serratia Marcescens, Bacillus Subtilis, Cladosporium Sphaerospermum, as prescribed by ISO 15714 and as representative of gram-positive bacteria, gram-negative bacteria and fungi. Their reduction, expressed as a percentage, is of more than ***99%**. Therefore, by analogy, it guarantees

the product can effectively kill a broad range of bacteria, viruses, coronaviruses and other microorganisms. This was also confirmed by tests carried out at the laboratories of the University of Modena and Reggio Emilia, which conducted reduction tests on viruses of the Coronavirus family (HCoV-OV43 and AdV-5). The product is classified according to IEC 60335-2-65 standard for air sanitizer.

Product classified according to the requirements of IEC 60335-2-65



UV  **XY**
TECHNOLOGY



TESTS AVAILABLE ONLINE CONDUCTED
IN ACCREDITED LABORATORIES
Read the QR code with your
smartphone or visit the website
geltinternational.it/tecnal/beghelli



laboratory tests

EFFECTIVENESS TESTED AGAINST COVID-19 RESPONSIBLE SARS-CoV-2

The tests to assess the anti-viral efficacy of SanificaAria 30 Beghelli were carried out at the UNIMORE Microbiology and Virology Laboratory - University of Modena and Reggio Emilia.

The tests were carried out in cooperation with TPM - Tecnopolo di Mirandola. The assessment involved the use of 3 types of viruses and coronaviruses, and the test results showed the effectiveness of the virucidal action of SanificaAria 30 Beghelli to be over 99%. This effectiveness depends on parameters such as the energy radiated by the UV-C source and the holding time inside the uvOxy cell. All the devices in the SanificaAria range have similar parameters to ensure uniform performance.

CORONAVIRUS HCoV-OC43:

99.7% deactivation percentage - logarithmic reduction 2.5

ADENOVIRUS AdV-5:

94.4% deactivation percentage - logarithmic reduction 1.25

CORONAVIRUS SARS-CoV-2_COV2019 ITALY/INMI1:

99.66% deactivation percentage - logarithmic reduction 2.46

(Report No. MS2_2021_R14 of 22/02/2021)

SanificaARIA

Beghelli



SanificaAria 30

sanitization



BUILT-IN CONTROL

8-12-24h



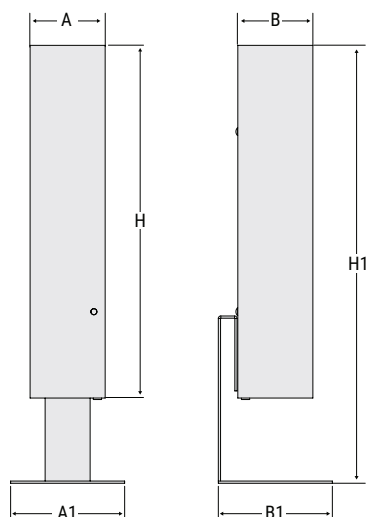
Air sanitizer with UV-C technology, equipped with an axial fan suction system. Air intake is directed into a closed chamber lined with Mirror Silver aluminium. The sanitization process takes place safely inside, where a UV-C cartridge with uvOxy® technology is installed, lasting at least 12* months. Removable sanitizing cartridge for replacement with a specific original spare part, the only one that can guarantee the safety and maintenance of the sanitizing characteristics of the appliance over time. Small size and great installation versatility.

Applications

Civil, service sector, hospitals, hotels, schools, offices, restaurants, shops, bars, houses, etc.

Tests and applicable standards

The device has been tested and assessed in accordance with the applicable IEC and ISO standards for effectiveness and safe use (IEC 60335-2-65, ISO 15714, etc.).



EXAMPLE OF SANITIZATION OF AIR IN AN ENVIRONMENT

Room size		
Volume m³	Surface area m²	Sanitization time h
16	6	0.5
30	11	1
67	25	2
103	38	3.5
135	50	4.5

Dimensions mm						Sanitization flow rate
A	B	H	A1	B1	H1	
100	100	475	152	152	584	30 m³/h

Specifications of the Air Sanitizer

Power supply unit 230VAC ±10%, 50÷60Hz

2m long cable

Power input 25 W

UV-C wavelength 254 nm

Sanitization flow rate 30 m³/h

UV-C power 18W

UV-C radiation power 5.5W

Cartridge service life * 12 months

* Duration at a continuous use 24 hours a day

WALL AND CEILING MOUNTING



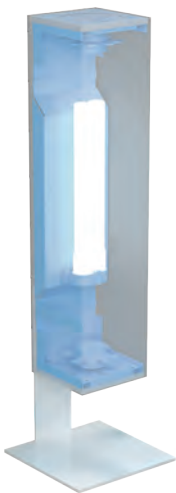
MOUNTING ON FURNITURE OR SHELF



FLOOR-STAND INSTALLATION



	Order code	W radiant	Description	Sanitization flow rate	Web connection	Input power AC	Weight Kg	Packaging multiple
	26700	5.5	SANIFICAARIA 30	30m³/h	-	25W	3.5	4



INTELLIGENT AIR PURIFICATION CIRCUIT

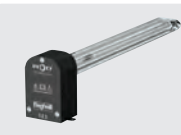
The UvOxy® technology, which draws contaminated air and outputs sanitized air, is employed on all devices in the Beghelli SanificaAria product range. More specifically, SanificaAria 30 features a UV-C chamber sized to make it suitable for small and medium-sized environments. The use of 2 axial fans makes it possible to treat up to 30 m³ of air per hour, while keeping the noise level low.

SUPPLIED



POWER CORD WITH SWITCH
length 2 m

SPARE PARTS - to be replaced every 12* months of use



PURIFICATION CARTRIDGE uvOxy 30
UV-C lamp to be replaced every 12 months of intensive use (8,000 hours)
Order Code **26720**

SanificaAria 200 Connect

sanitization



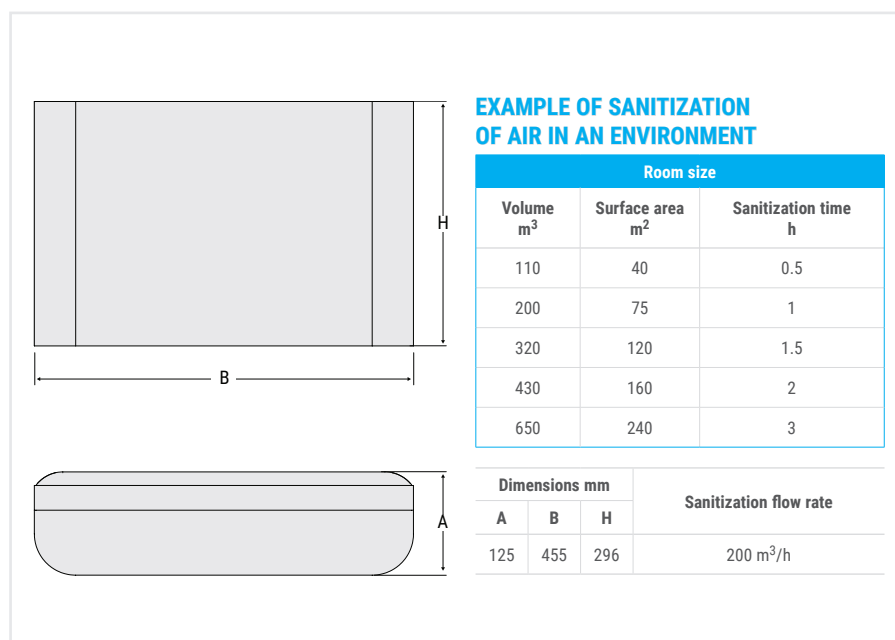
Air sanitizer with UV-C technology, equipped with an axial fan suction system and variable speed. Air intake is directed into a closed chamber lined with Mirror Silver aluminium. The sanitization process takes place safely inside, where a UV-C cartridge with uvOxy® technology is installed, lasting at least 12* months. At the back, it has a compartment to quickly replace the cartridge with the specific original spare part, the only one that can guarantee the safety and the maintenance of the sanitizing characteristics of the device over time.

Applications

Civil, service sector, hospitals, hotels, schools, offices, restaurants, shops, bars, houses, etc.

Tests and applicable standards

The device has been tested and assessed in accordance with the applicable IEC and ISO standards for effectiveness and safe use (IEC 60335-2-65, ISO 15714, etc.).



Specifications of the Air Sanitizer

Power supply unit 230VAC ±10%, 50÷60Hz

2m long cable

Minimum power input 36 W

Maximum power input 60 W

UV-C wavelength 254 nm

Sanitization flow rate 200 m³/h

UV-C power 24 W

UV-C radiation power 7.5 W

Cartridge service life* 12 months

* Duration at a continuous use 24 hours a day

FLOOR-STAND INSTALLATION



WALL-MOUNT INSTALLATION



	Order code	W radiant	Description	Sanitization flow rate	Web Connection	Input power		Weight Kg	Packaging multiple
						MIN	MAX		
	26702	7.5	SANIFICAARIA 200 CONNECT	200 m³/h	Via APP	36W	60W	10	2



INTELLIGENT AIR PURIFICATION CIRCUIT

The UvOxy® technology, which draws contaminated air and outputs sanitized air, is employed on all devices in the Beghelli SanificaAria product range. On SanificaAria 200, the UV-C has been sized to purify high amounts of air. This makes the device suitable for medium to large rooms. The use of 3 variable-speed axial fans makes it possible to treat up to 200 m3 of air per hour, while keeping the noise almost imperceptible. The device is equipped with automatic temperature control of the UV-C tube temperature via a microcontroller, which allows the system to operate at maximum efficiency in any environmental condition.

LOCAL AND REMOTE CONTROL


SanificaAria 200 can be managed locally from the SanificaAria Beghelli APP, which can be activated as a local remote control to adjust fan speed and to set the air sanitization timing. The dom-E APP is also available for the remote control of all sanitization parameters.



SanificaAria APP
for local BLE control


Dom-E APP
for remote control

SUPPLIED



POWER CORD
length 2 m

SPARE PARTS - replace every 12* months of operation



**SPARE PART
PURIFICATION CARTRIDGE uvOxy®**
Duration 12 months, at a continuous use 24h/day
Order Code 26721

Hybrid devices with uvOxy® techn

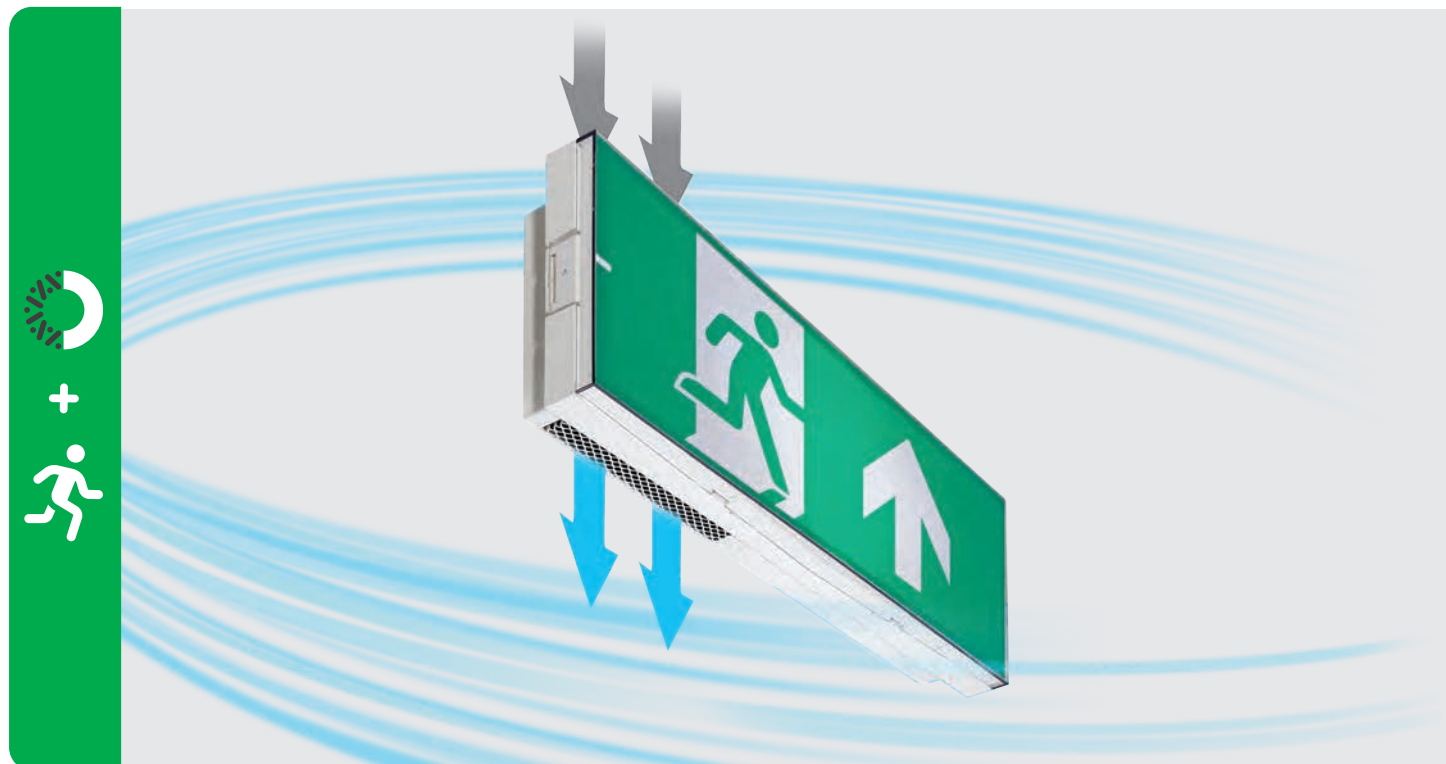
integrated sanitization

INTEGRATED LIGHTING AND EMERGENCY LIGHTING TECHNOLOGY

Beghelli's experience, gained in the high-tech lighting field, has enabled the creation of hybrid luminaires and emergency lighting fixtures with integrated air sanitization. All appliances have a specific air sanitization cell on board with uvOxy technology that has been radically redesigned to adapt to the various appliances, in compliance with the regulations on safety in public or workplaces (EN 60598-1, EN 60598-2-2, EN 60598-2-22, UNI EN 1838, UNI 11222, EN 62034).

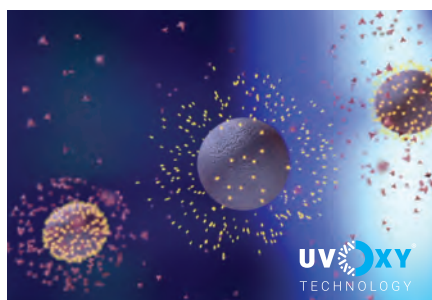
INITIAL SANITIZATION TIME

All appliances indicate the **initial sanitization time**. This is a fundamental parameter to set the sanitization time in a potentially contaminated environment, and it depends on sanitization cell capacity, room size and the number of devices. After this first period, the use of the device should be programmed according to the risk level of the room (8h, 12h, 24h).

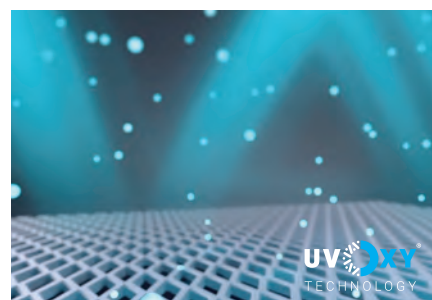




1 Suction of contaminated particles inside the flow cell



2 UV-C action with deactivation of any viruses or bacteria present



3 Emission of fully sanitized air particles

EMERGENCY + AIR SANITIZATION

Each device has a characteristic installation centre distance according to its performance and type of application. Integrated sanitization has been calculated to be effective under the installation conditions required for emergency lighting. For each luminaire, the greater the capacity to illuminate an area in an emergency situation, the greater the capacity to sanitize the environment, resulting in an installation that meets both requirements, whether it is an Anti-Panic Zone or an Evacuation Route. To facilitate installation, a Calculation Tool is available to check the sanitizing effectiveness in a room, which can be downloaded from the beghelli.it website or by using the QR code found on the product sheets.

EXAMPLE OF INSTALLATION PARAMETERS

Installation data according to technical lighting characteristics

Sanitization rates and maximum range of action according to the type of installation

STANDARD UNI EN 1838	Height (m)	Centre distance (m) EVACUATION ROUTES		Illuminated surface area (m) LARGE AREAS	
		Wall	Ceiling	Wall	Ceiling
	2.5	11	-	8x12	-
	3	-	18	-	10x16
		>1lx without reflections Emax/Emin <40		>0.5lx along the centre line without reflections Emax/Emin <40	
		Flow rate up to 8 m³/h	Initial sanitization time 5h	Initial sanitization time 30h	

Performance based on the 19430UV 1100lm wall-mounted model - Sanitization flow 3

LIGHTING + AIR SANITIZATION

Ordinary luminaires with an integrated uvOxy air sanitization cell. System designed for installation on Modulo 600. High sanitization flow rate and flow control both with the SanificaAria Beghelli APP, for local management via smartphone, and remotely - from Cloud NuBe - through the Logica SD LGFM Control Unit. To facilitate installation, a Calculation Tool is available to check the sanitizing effectiveness in a room, which can be downloaded from the beghelli.it website or by using the QR code found on the product sheets.

EXAMPLE OF INSTALLATION PARAMETERS

Sanitization rates and maximum range of action according to the type of installation

		Flow rate up to 200 m³/h	Initial sanitization time 15 minutes	Initial sanitization time 40 minutes
		Performance related to a single installation in an office of 20 sq m		Performance related to an open space with 1 device per 50 sq m

Stile In SanificaAria

emergency and sanitization



TOOL FOR CALCULATING THE EFFECTIVENESS
OF AIR SANITIZATION IN A ROOM



Hybrid device with uvOxy® air sanitization.
Activation regulation by switch in 3 steps:
8, 12, 24 h/day, at a constant sanitization
rate. Recessed device with an autonomy
of up to 8 hours.

Applications

Service sector, hospitals, commercial
activities, shops, restaurants, offices,
schools

Emergency features

Power supply unit 230VAC $\pm 10\%$, 50÷60Hz

Mounting Wall mounting, ceiling mounting,
recessed mounting, false ceiling mounting

Recharging time 12h

Body Polycarbonate, white RAL 9003

Optics PMMA anti-glare diffuser

Screen Clear polycarbonate

Compliance EN60598-1, EN60598-2-2,
EN60598-2-22, EN60335-2-65, ISO 15714,
2014/30/EU, 2014/35/EU

Specifications of the Air Sanitizer

Power supply unit 230VAC $\pm 10\%$, 50÷60Hz

Input power uvOxy® 10 W

UV-C wavelength 254 nm

Sanitization flow rate 4 m³/h

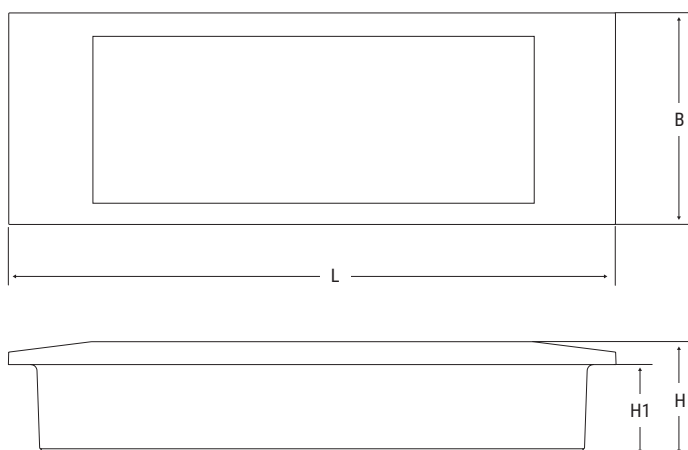
UV-C power 7 W

UV-C radiation power 2.4 W

Sanitization speed Single

Timing 8-12-24 h

Cartridge life 12 months



EXAMPLE OF SANITIZATION OF AIR IN AN ENVIRONMENT

Room size		
Volume m ³	Surface area m ²	Initial sanitization time h
11	4	2.5
21	8	5
33	12.5	8
44	16.5	11
67	25	17

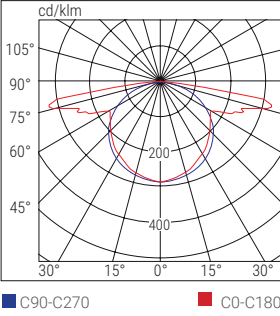
Dimensions mm				Distance of visibility (DV)	
L	B	H	H1	screen	edge mounting
295	102	55	44	15m	20m






Performance according to EN 1838 and initial sanitization time

STANDARD UNI EN 1838	Height (m) 	Centre distance (m) EVACUATION ROUTES 		Illuminated surface area (m) LARGE AREAS 	
		Wall	Ceiling	Wall	Ceiling
	2.5	5	-	3x3	-
	3	-	7	-	5x5
		>1lx without reflections Emax/Emin <40		>0.5lx along the centre line without reflections Emax/Emin <40	
		Flow rate up to 4 m³/h		Initial sanitization time 5h	
				Initial sanitisation time 6h	

Performance based on the 1499LUV 120lm wall-mounted model

STILE IN SanificaAria



	Order code	W eq.	Description	Version	Battery life h	Battery	Luminous flux SE lm	Luminous flux SA lm	Sanitization flow m³/h			Input power W		Weight Kg	Packaging Single/ Multi pack	
																
TR	1499LUV	8	STILE IN LED SE TR UVOXY	SE	8	LiFe 3.2V 1.5Ah	120	-	4	-	-	2.1	10	0.7	1/12	STANDARD

ACCESSORIES - included

RECESSED BOX

Order Code **3733**

ACCESSORIES AND SPARE PARTS - to be ordered separately

SPARE PART

uvOxy® STILE IN PURIFICATION CARTRIDGE

Duration 12 months, at a continuous use 24h/day

Order Code **26724**

SUSPENDED CEILING BRACKETS

Recessed mounting hole: 279x94 mm

Order Code **4266**

LH/RH/BOTTOM SCREENS

Screen printing on opal polycarbonate

Order Code **4269**

PROTECTIVE GRILLE

Dimensions: 440x215x99 mm

Order Code **3912**

LH/RH/BOTTOM STICKERS

Order Code **4278**

Pratica SanificaAria

emergency and sanitization



TOOL FOR CALCULATING THE EFFECTIVENESS
OF AIR SANITIZATION IN A ROOM



IP20

IK08

850°



Battery LiFe

+40 °C
0 °C

8-12-24h



Hybrid device with uvOxy® air sanitization.
Activation regulation by switch in 3 steps:
8, 12, 24 h/day, at a constant sanitization
rate. Highly robust body with LiFe battery.
Presence of the test button.

Applications

Industry, service sector

Emergency features

Power supply unit 230VAC \pm 10%,
50÷60Hz

Mounting Wall mounting, ceiling
mounting, suspended mounting, edge
mounting, electrified track mounting

Recharging time 12h

Body ABS, white RAL 9003

Optics PMMA anti-glare diffuser

Screen Clear polycarbonate

Conformity EN60598-1; EN60598-2-22,
EN60335-2-65, ISO 15714, 2014/30/EU,
2014/35/EU

Specifications of the Air Sanitizer

Power supply unit 230VAC \pm 10%, 50÷60Hz

Input power uvOxy® 10 W

UV-C wavelength 254 nm

Sanitization flow rate 5 m³/h

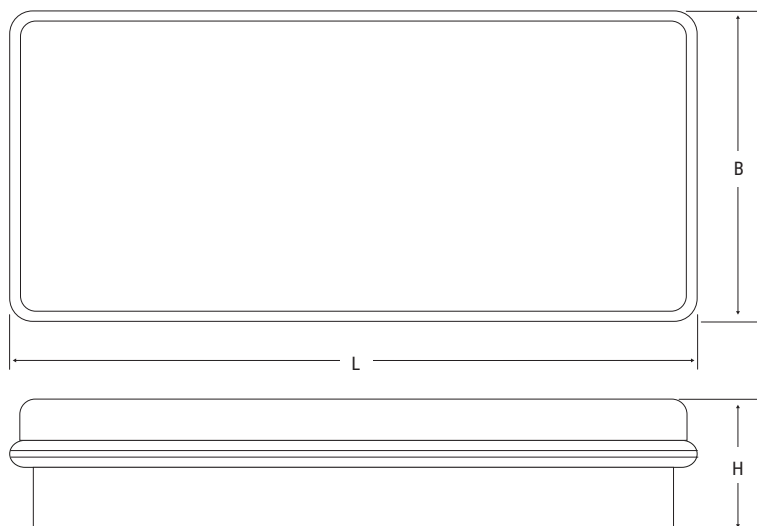
UV-C power 7 W

UV-C radiation power 2.5 W

Sanitization speed Single

Timing 8-12-24 h

Cartridge life 12 months



EXAMPLE OF SANITIZATION OF AIR IN AN ENVIRONMENT

Room size		
Volume m³	Surface area m²	Initial sanitization time h
11	4	2
27	10	5
54	20	10
81	30	16
108	40	21

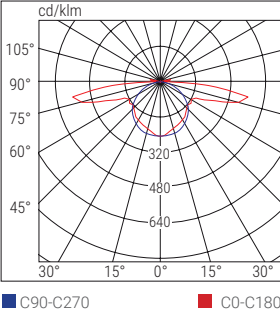
Dimensions mm			Distance of visibility (DV)
L	B	H	
300	138	55	25 m






Performance according to EN 1838 and initial sanitization time

STANDARD UNI EN 1838	Height (m) 	Centre distance (m) EVACUATION ROUTES 		Illuminated surface area (m) LARGE AREAS 	
		Wall	Ceiling	Wall	Ceiling
	2.5	8	-	4x6	-
	3	-	9	-	6x7
		>1lx without reflections Emax/Emin <40		>0.5lx along the centre line without reflections Emax/Emin <40	
		Flow rate up to 5 m³/h		Initial sanitisation time 6h	
				Initial sanitization time 12h	

Performance based on the 250SEUV 250lm wall-mounted model

PRATICA SanificaAria



	Order code	W eq.	Description	Version	Battery life h	Battery	Luminous flux SE lm	Luminous flux SA lm	Sanitization flow m³/h			Input power W		Weight Kg	Packaging Single/Multi pack	
																
TR	250SEUV	18	PRATICA 300LM 1.5/3h SE TR UVOXY	SE	1.5/3	LiFe 3.2V 1.5Ah	300/160	-	5	-	-	4	10	0.8	1/12	STANDARD
	250SAUV	18	PRATICA 300LM 1.5/3h SA TR UVOXY	SA/SE	1.5/3	LiFe 3.2V 1.5Ah	300/160	200	5	-	-	4	10	0.8	1/12	
	500SEUV	24	PRATICA 500LM 1.5/3h SE TR UVOXY	SE	1.5/3	LiFe 3.2V 3Ah	500/250	-	5	-	-	4	10	0.9	1/12	
	500SAUV	24	PRATICA 500LM 1.5/3h SA TR UVOXY	SA/SE	1.5/3	LiFe 3.2V 3Ah	500/250	200	5	-	-	4	10	0.9	1/12	
AT	250ATSEUV	18	PRATICA 300LM 1.5/3h SE AT UVOXY	SE	1.5/3	LiFe 3.2V 1.5Ah	300/160	-	5	-	-	4	10	0.8	1/12	AUTOTEST
	250ATSAUV	18	PRATICA 300LM 1.5/3h SA AT UVOXY	SA/SE	1.5/3	LiFe 3.2V 1.5Ah	300/160	200	5	-	-	4	10	0.8	1/12	
	500ATSEUV	24	PRATICA 500LM 1.5/3h SE AT UVOXY	SE	1.5/3	LiFe 3.2V 3Ah	500/250	-	5	-	-	4	10	0.9	1/12	
	500ATSAUV	24	PRATICA 500LM 1.5/3h SA AT UVOXY	SA/SE	1.5/3	LiFe 3.2V 3Ah	500/250	200	5	-	-	4	10	0.9	1/12	

ACCESSORIES - included

CONDUIT ADAPTER 16/20 mm WHITE

Installation with a Ø16 or Ø20 mm conduit

ACCESSORIES AND SPARE PARTS - to be ordered separately

SPARE PART PURIFICATION CARTRIDGE uvOxy®

Duration 12 months, at a continuous use 24h/day

Order Code **26723**

SCREENS

Order Code **4124** (LH/RH)

Order Code **4125** (BOTTOM)

Order Code **4126** (TOP)

LH/RH/TOP STICKERS

Only for SA versions

Order Code **4117**

SUSPENDED MOUNTING HOOKS

Order Code **3723**

Formula 65 SanificaAria

emergency and sanitization



TOOL FOR CALCULATING THE EFFECTIVENESS
OF AIR SANITIZATION IN A ROOM

APP



IP20

IK07

850°



Battery LTO

+45°C
-20°C

8-12-24h

1

2

3

Hybrid device with uvOxy® air sanitization. Activation adjustable in 3 steps: 8, 12, 24 h/day and at 3 sanitizing speeds. Parameter adjustment from APP B.connect.

Adjustable autonomy in AT version. High luminous flux of up to 1200lm.

Applications

Industry, service sector, hospitals, commercial activities, shops, restaurants, offices, schools

Emergency features

Power supply unit* 230VAC±10%, 50÷60Hz

Mounting Wall mounting, ceiling mounting

Recharging time 12h

Body ABS, white RAL 9003

Optics Symmetrical, white

Screen Clear polycarbonate

Compliance EN60598-1, EN60598-2-22, EN60335-2-65, ISO 15714, 2014/30/EU, 2014/35/EU

Specifications of the Air Sanitizer

Power supply unit 230VAC ±10%, 50÷60Hz

Input power uvOxy® 10 W

UV-C wavelength 254 nm

Sanitization flow rate 8 m³/h

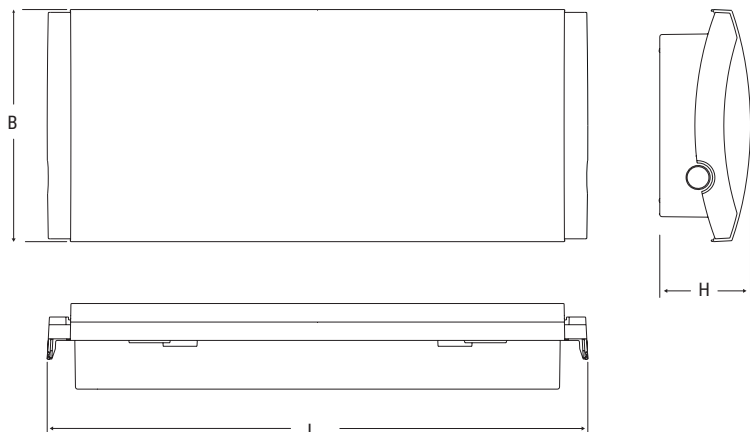
UV-C power 7 W

UV-C radiation power 2.4 W

Sanitization speed 1-2-3 steps

Timing 8-12-24h

Cartridge life 12 months



EXAMPLE OF SANITIZATION OF AIR IN AN ENVIRONMENT

Room size		
Volume m³	Surface area m²	Initial sanitization time h
22	8	2.5
43	16	5
86	32	10
135	50	17
202	75	25

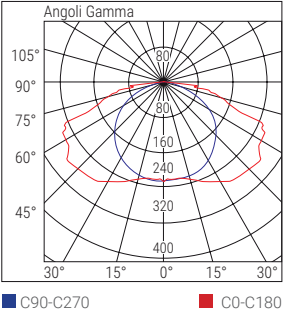
Dimensions mm			Distance of visibility (DV)	
L	B	H	Wall	Edge mounting
354	152	63.4	25 m	28 m

Performance according to EN 1838 and initial sanitization time

STANDARD UNI EN 1838	Height (m) 	Centre distance (m) EVACUATION ROUTES 		Illuminated surface area (m) LARGE AREAS 	
		Wall	Ceiling	Wall	Ceiling
	2.5	11	-	8x12	-
	3	-	18	-	10x16
		>1lx without reflections Emax/Emin <40		>0.5lx along the centre line without reflections Emax/Emin <40	
		Flow rate up to 8 m³/h		Initial sanitization time 5h	
				Initial sanitization time 30h	

Performance based on the 19430UV 1100lm wall-mounted model - Sanitization flow 3

FORMULA65 SanificaAria



	Order code	W eq.	Description	Version	Battery life h	Battery	Luminous flux SE lm	Luminous flux SA lm	Sanitization flow m³/h			Input power W		Weight Kg	Packaging Single/Multi pack	
									1	2	3					
TR	19430UV	36	F65 LED LTO SE UVOXY	SE	1.5	2x LTO 4.8V 1.2Ah	1100	-	2.5	5	8	2	10	1.1	1/6	STD.
	19431UV	36	F65 LED LTO SA UVOXY	SA/SE	1.5	2x LTO 4.8V 1.2Ah	1100	350	2.5	5	8	5	10	1.1	1/6	
AT	19432UV	36	F65 LED LTO AT SE UVOXY	SE	1/3	2x LTO 4.8V 1.2Ah	1200/450	-	2.5	5	8	2	10	1.1	1/6	AUTOTEST
	19433UV	36	F65 LED LTO AT SA UVOXY	SA/SE	1/3	2x LTO 4.8V 1.2Ah	1200/450	350	2.5	5	8	5	10	1.1	1/6	

ACCESSORIES - included

	CABLE GLAND MEMBRANE		LH/RH/BOTTOM STICKERS Only for SA versions Order Code 19044
	CONDUIT ADAPTER 16/20 mm WHITE Installation with a Ø16 or Ø20 mm conduit		

ACCESSORIES AND SPARE PARTS - to be ordered separately

	SPARE PART PURIFICATION CARTRIDGE uvOxy® Duration 12 months, at a continuous use 24h/day Order Code 26723		LH/RH EDGE MOUNTED SCREEN Screen printing on clear polycarbonate Order Code 19042
	EDGE MOUNTING WALL BRACKET Order Code 19045		BOTTOM EDGE MOUNTED SCREEN Screen printing on clear polycarbonate Order Code 19043

Infinita SanificaAria

emergency and sanitization



TOOL FOR CALCULATING THE EFFECTIVENESS
OF AIR SANITIZATION IN A ROOM

CONTROL APP AND CLOUD



IP20

IK08

850°



Battery LTO

+45°C
-20°C

8-12-24h

1

2

3

Hybrid device with uvOxy® air sanitization. Activation adjustable in 3 steps: 8, 12, 24 h/day and at 3 sanitizing speeds. Parameter adjustment from B.connect APP and NuBe. Luminous flux up to 1000lm, infinite autonomy, with Infinity mode and Titanium battery.

Applications

Industry, service sector, hospitals, commercial activities, shops, restaurants, offices, schools

Emergency features

Power supply unit* 230VAC ±10%, 50÷60Hz

Mounting Wall mounting, ceiling mounting, wall/ceiling edge mounting, suspended mounting

Recharging time 12h

Body ABS white RAL 9003

Optics Total Internal Reflection

Screen Clear polycarbonate

Compliance EN60598-1, EN60598-2-2, EN60598-2-22, EN60335-2-65, ISO 15714, 2014/53/EU

Specifications of the Air Sanitizer

Power supply unit 230VAC ±10%, 50÷60Hz

Input power uvOxy® 10 W

UV-C wavelength 254 nm

Sanitization flow rate 8 m³/h

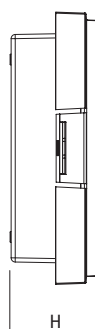
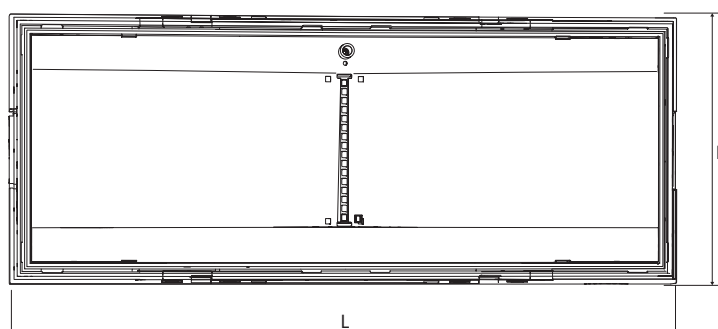
UV-C power 7 W

UV-C radiation power 2.4 W

Sanitization speed 1-2-3 steps

Timing 8-12-24 h

Cartridge life 12 months



EXAMPLE OF SANITIZATION OF AIR IN AN ENVIRONMENT

Room size		
Volume m³	Surface area m²	Initial sanitization time h
22	8	2.5
43	16	5
86	32	10
135	50	17
202	75	25

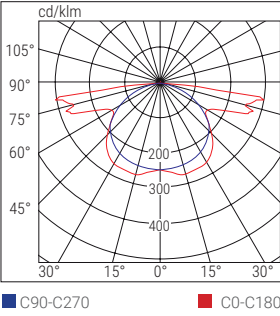
Dimensions mm			Distance of visibility (DV)
L	B	H	
325	130	45	25 m



Performance according to EN 1838 and initial sanitization time

STANDARD UNI EN 1838	Height (m) 	Centre distance (m) EVACUATION ROUTES 		Illuminated surface area (m) LARGE AREAS 	
		Wall	Ceiling	Wall	Ceiling
	2.5	8	-	6x8	-
	3	-	10	-	9x10
		>1lx without reflections Emax/Emin <40		>0.5lx along the centre line without reflections Emax/Emin <40	
Flow rate up to 8 m³/h		Initial sanitization time 4h		Initial sanitization time 15h	

Performance based on the 19451UV 500lm wall-mounted model - Sanitization flow 3

INFINITA SanificaAria



	Order code	W eq.	Description	Vers.	Battery life h	Battery	Luminous flux SE lm	Luminous flux SA lm	Sanitization flow m³/h			Input power W		Weight Kg	Packaging Single/ Multi pack
									1	2	3				
AT-CBL	19450UV	11	INFINITA RTI SE CBL LTO L UVOXY	SE	1/1.5/ 2/3/8	LTO 4.8V 1.2Ah	250/170/130/90/40	-	2.5	5	8	1	10	0.9	1/6
	19451UV	24	INFINITA RTI SE CBL LTO XL UVOXY	SE	1/1.5/2/3/8	LTO 4.8V 1.2Ah	500/340/260/180/70	-	2.5	5	8	2.6	10	0.9	1/6
	19452UV	11	INFINITA RTI SA CBL LTO L UVOXY	SA/SE	1/1.5/2/3/8	LTO 4.8V 1.2Ah	250/170/130/90/40	90	2.5	5	8	1.8	10	0.9	1/6
	19453UV	24	INFINITA RTI SA CBL LTO XL UVOXY	SA/SE	1/1.5/2/3/8	LTO 4.8V 1.2Ah	500/340/260/180/70	250	2.5	5	8	4.8	10	0.9	1/6
	19460UV	24GL	INFINITA GL RTI SA/SE CBL LTO UVOXY	SA/SE	1/1.5/2/3/8	2x LTO 4.8V 1.2Ah	1000/680/525/370/145	250	2.5	5	8	1.8	10	0.9	1/6
	LG	Standalone devices with centralized diagnosis integrating the Module Order No. 15036													
LGFM	Standalone devices with centralized radio diagnosis integrating the Module Order No. 15037														
DALI	Standalone devices with Dali centralized diagnosis integrating the Module Order No. 15038														

ACCESSORIES - included

	CABLE GLAND MEMBRANE		LH/RH/TOP STICKERS (included for SA versions only) Order Code 4682
	CONDUIT ADAPTER 16/20 mm WHITE Installation with a Ø16 or Ø20 mm conduit		

ACCESSORIES AND SPARE PARTS - to be ordered separately

	SPARE PART PURIFICATION CARTRIDGE uvOxy® Duration 12 months, at a continuous use 24h/day Order Code 26723		45° BRACKET Order Code 4685
	EDGE MOUNTED SCREEN Order Code 4681		SUSPENDED MOUNTING RODS 250 - 500 - 1000 mm Order Code 4315 (250 mm) - 4316 (500 mm) - 4317 (1000 mm)
	EDGE MOUNTING FIXING BRACKET Order Code 4686		LG - LGFM - DALI MODULE LG - Order Code 15036 LGFM - Order Code 15037 DALI - Order Code 15038
	SUSPENDED MOUNTING HOOKS Order Code 3723		CABLECOM CONNECT CBL CONTROL UNIT Order Code 20151

LED Panel RTI SanificaAria

lighting



TOOL FOR CALCULATING THE EFFECTIVENESS
OF AIR SANITIZATION IN A ROOM

CONTROL APP AND CLOUD



SanificaAria



PROGRAMMABLE



IP20

IK05

960°

+40 °C
-20 °C

CRI>90

UGR<19

FLICKER FREE



Hybrid device with uvOxy® air sanitization. Adjusting parameters from the SanificaAria APP or from NuBe. HCL version with Colour Temperature (K) adjustment in fixed (CCT) or automatic mode.

Applications

Service sector, public sector, offices, schools

Characteristics

Power supply unit 230VAC $\pm 10\%$, 50÷60Hz

Power supply - MTBF at 25°C 65,000h

Luminous flux retention at 25°C

>80,000÷120,000h (L80B20)

Colour stability 3 SDCM

Mounting Recessed on Module 600, suspended with the steel cables supplied

Body Pre-galvanised sheet metal RAL 9003 matt

Optics PMMA microstructured lens

Compliance EN60598-1, EN60598-2-22, EN62471 (photobiological risk-free), CAM Minimum Environmental Criteria according to DM 11.01.2017, EN60598-2-2, EN60335-2-65, ISO 15714, 2014/53/EU1

Specifications of the Air Sanitizer

Power supply unit 230VAC $\pm 10\%$, 50÷60Hz

uvOxy® input power 60÷75 W

UV-C wavelength 254 nm

Sanitization flow rate 200 m³/h

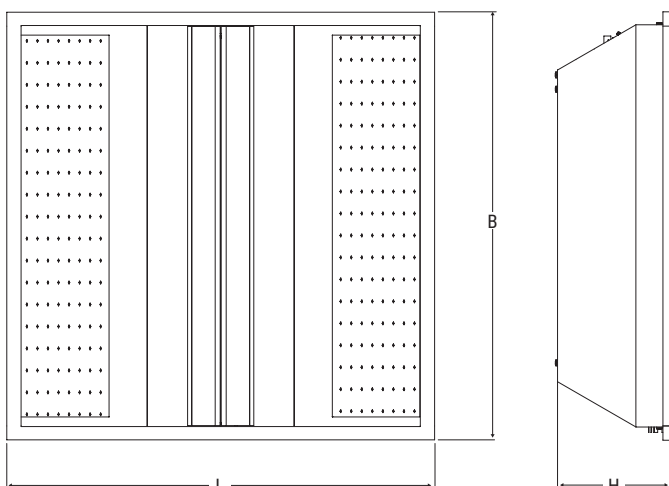
UV-C power 48 W

UV-C radiation power 15 W

Sanitization speed 1-2-3 steps

Timing programmable

Recommended cartridge life 12 months

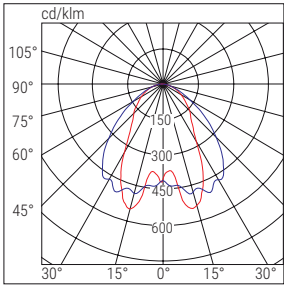


EXAMPLE OF SANITIZATION OF AIR IN AN ENVIRONMENT






Room size		
Volume m³	Surface area m²	Initial sanitization time h
110	40	0.5
200	75	1
320	120	1.5
430	160	2
650	240	3

Version	Dimensions mm		
	L	B	H
600x600	595	595	160

SANIFICAARIA RTI LED PANEL - 600x600



■ C90-C270 ■ C0-C180

	Order code	Description	Power W	Colour temp. K	Chromatic yield	Luminous flux LED lm (Tj=25°C)	Luminaire flux lm	Sanitization flow m³/h			Luminous bright lm/W	Weight Kg	Packaging Single/ Multi pack	HCL CCT
														
SD	40176UV	P RTI M600 35W U19C90 SDHCL UV	36	HCL 2700 ÷ 6000 CCT 2700-4000-6000	>90	6000	5000	100	150	200	140	9	1	 AUTO-DIMMER
	40171UV	P RTI M600 35W U19C90 SD4K UV	36	4000	>90	6000	5000	100	150	200	140	9	1	
RD	40166UV	P RTI M600 35W U19C90 RDHCL UV	36	HCL 2700 ÷ 6000 CCT 2700-4000-6000	>90	6000	5000	100	150	200	139	9	1	 ADJUSTABLE
	40161UV	P RTI M600 35W U19C90 RD4K UV	36	4000	>90	6000	5000	100	150	200	139	9	1	
DALI	MODULAR ENCODING: To create the DALI version device code, sselect a device in the range RD and add to its code the suffix DL Example: Order Code 40166UV + DL = Order Code 40166UVDL													

	Flow rate up to 200 m³/h	Initial sanitization time 15 minutes	Initial sanitization time 40 minutes
	Performance related to a single installation in an office of 20 sq m		Performance related to an open space with 1 device per 50 sq m

REMOTE SANITIZATION MANAGEMENT, VIA SD LOGICA FM CONTROL UNIT, OR LOCALLY WITH THE DEDICATED APP

With the integration of the SD Logica Control Unit, it is possible to connect the sanitization system to a network. The main parameters to regulate the system are the 3 levels of fan speed and the operating time. From the NuBe portal, the system can be accessed to adjust all parameters, even remotely.

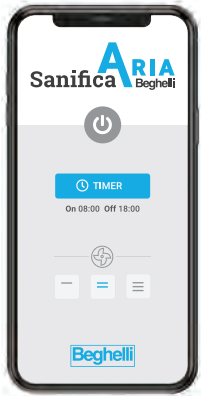


LOGICA SD LGFM CONTROL UNIT

Order Code 21102



The SanificaAria Beghelli APP (Bluetooth local remote control) has been designed to control the sanitization system built into the device locally, with the utmost simplicity. Using Bluetooth technology, the smartphone becomes a real remote control for the system, adjusting fan speed and setting the operating times of the air sanitizer.



RD VERSIONS, MANUALLY ADJUSTABLE FLUX/POWER AT 3 STEPS



Flux/Power	SanificaAria RTI LED Panel		
	lm	W	lm/W
STEP 1	5000	36	139
STEP 2	4000	28	142
STEP 3	3400	24	142

The lighting system must consider both the required level of lighting obtained from the lighting calculation and the power saving needs. SanificaAria RTI LED Panel allows you to achieve this result thanks to its driver equipped with a 3-step current modulation switch that provides maximum luminous efficiency and, therefore, maximum power saving, while observing the luminous flux set out in the design phase.

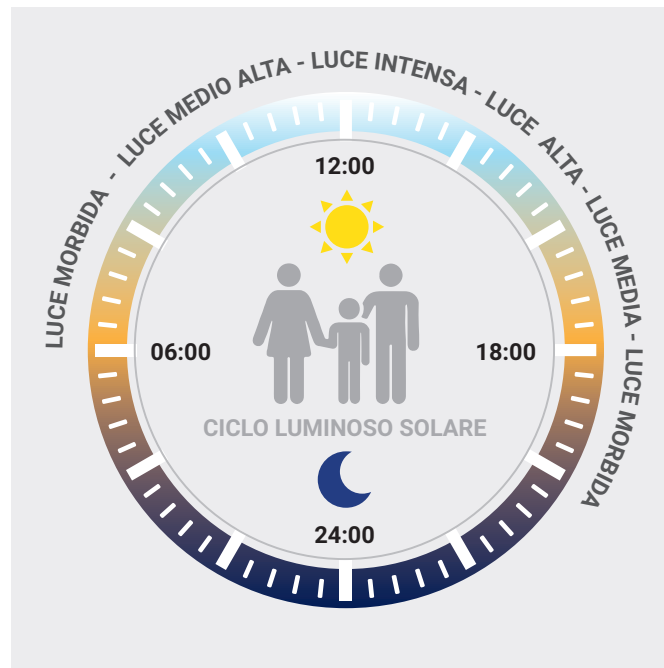
FOLLOWS >

LED Panel RTI SanificaAria

lighting

 **HCL-CCT module, both in SD and RD version, for automatic colour temperature variation according to the solar time or to set 2700, 4000, 6000K constants**

The HCL-CCT module equips both RD and SD series devices and allows a colour temperature adjustment in 3 steps 2700K - 4000K - 6000K (CCT). It also enables the automatic HCL (Human Centric Lighting - Biodynamic Lighting) mode, which adapts to the human biological cycle. To simply perform this function, a new preconfigured system has been developed, which takes care of the dynamic synchronization of colour variation corresponding to the time of day with the human biological clock (circadian cycle). Each device has a pre-set clock to synchronize the automatic cycle with the time of day as soon as the device is connected: simply set the selector switch to HCL mode, the device will recognize the time of day and provide the most suitable colour temperature. With the same selector, you can set the device on the HCL or CCT mode (2700K - 4000K - 6000K) and, in the SD Auto-dimmer version, the light output also takes into account the daylight in the room.



SPECIAL VARIANTS - on request

COLOUR TEMPERATURE 3000K and 6000K, 0-10V

ACCESSORIES - included

	SD RADIO INTERFACE/1 -10V 	 SMART DIMMER PHOTSENSOR Order Code 15039 
---	---	---









ACCESSORIES AND SPARE PARTS - to be ordered separately

	SPARE PART PURIFICATION CARTRIDGE uvOxy® Duration 12 months, at 24h/day use Order Code 26721	 SanificaAria RADIO TRANSMITTER Radio control via an external button, of one or more SanificaAria devices Order Code 20104SA
---	--	--

HOME AUTOMATION - to be ordered separately

	LOGICA SD LGFM CONTROL UNIT Order Code 21102 	 HOME AUTOMATION REMOTE CONTROL TRANSMITTER Order Code 20104 
---	--	--

LED INVERTER EMERGENCY - to be ordered separately

	PLUG&LIGHT INVERTER SE/SA 1-3h 20-60V Order Code 19358 (1h) Order Code 19359 (3h) 	 INVERTER GL AT/LG AR 15W 55V Order Code 19391 (LiFe battery) Order Code 19390 (LTO battery) 
	INVERTER AT/LG AR 9W 55V Order Code 19355L (LiFe battery) 	 LGFM EMERGENCY MODULE For AT/LG series inverters only Order Code 19375 



25 lighting and sanitization

Modulo 600 SanificaAria

sanitization



Recessed device for uvOxy® air sanitization. Adjusting parameters from the SanificaAria APP or from NuBe.

Device without a light source, to be used for sanitizing rooms only. Designed for integrating the uvOxy® air sanitization system in a new or existing lighting system.

It can be installed on a support on false ceilings made of Modulo 600 structures.

Applications

Service sector, public sector, offices, schools

Specifications of the Air Sanitizer

Power supply unit 230VAC $\pm 10\%$, 50÷60Hz

Mounting Recessed on Module 600, suspended with the steel cables supplied

Body Pre-galvanised sheet metal RAL 9003 matt

uvOxy® input power 60÷75 W

UV-C wavelength 254 nm

Sanitization flow rate 200 m³/h

UV-C power 48 W

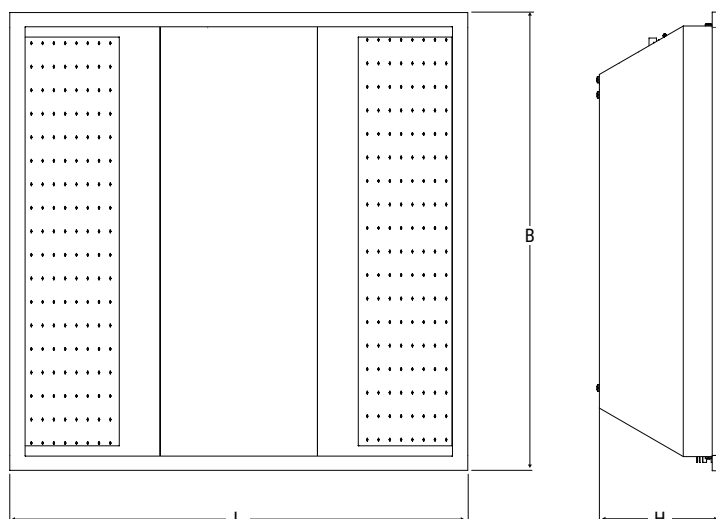
UV-C radiation power 15 W

Sanitization speed 1-2-3 steps

Timing Programmable

Cartridge life 12 months

Compliance EN60335-2-65, ISO 15714




EXAMPLE OF SANITIZATION OF AIR IN AN ENVIRONMENT

Room size		
Volume m³	Surface area m²	Initial sanitization time h
110	40	0.5
200	75	1
320	120	1.5
430	160	2
650	240	3

Version	Dimensions mm		
	L	B	H
600x600	595	595	160

Order code	Description	Power W	Sanitization flow m³/h			Weight Kg	Packaging Single/Multi pack
			1	2	3		
26706	SANIFICA ARIA MODULO 600	36÷60 W	100	150	200	8	1

	Flow rate up to 200 m³/h	Initial sanitization time 15 minutes	Initial sanitization time 40 minutes
Performance related to a single installation in an office of 20 sq m		Performance related to an open space with 1 device per 50 sq m	

REMOTE SANITIZATION MANAGEMENT, VIA SD LOGICA FM CONTROL UNIT, OR LOCALLY WITH THE DEDICATED APP

With the integration of the SD Logica Control Unit, it is possible to connect the sanitization system to a network. The main parameters to regulate the system are the 3 levels of fan speed and the operating time. From the NuBe portal, the system can be accessed to adjust all parameters, even remotely.

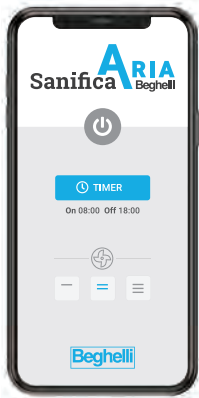


LOGICA SD LGFM CONTROL UNIT


Order Code **21102**




The SanificaAria Beghelli APP (Bluetooth local remote control) has been designed to control the sanitization system built into the device locally, with the utmost simplicity. Using Bluetooth technology, the smartphone becomes a real remote control for the system, adjusting fan speed and setting the operating times of the air sanitizer.




ACCESSORIES AND SPARE PARTS - to be ordered separately



SPARE PART PURIFICATION CARTRIDGE uvOxy®

Duration 12 months, at 24h/day use

Order Code **26721**



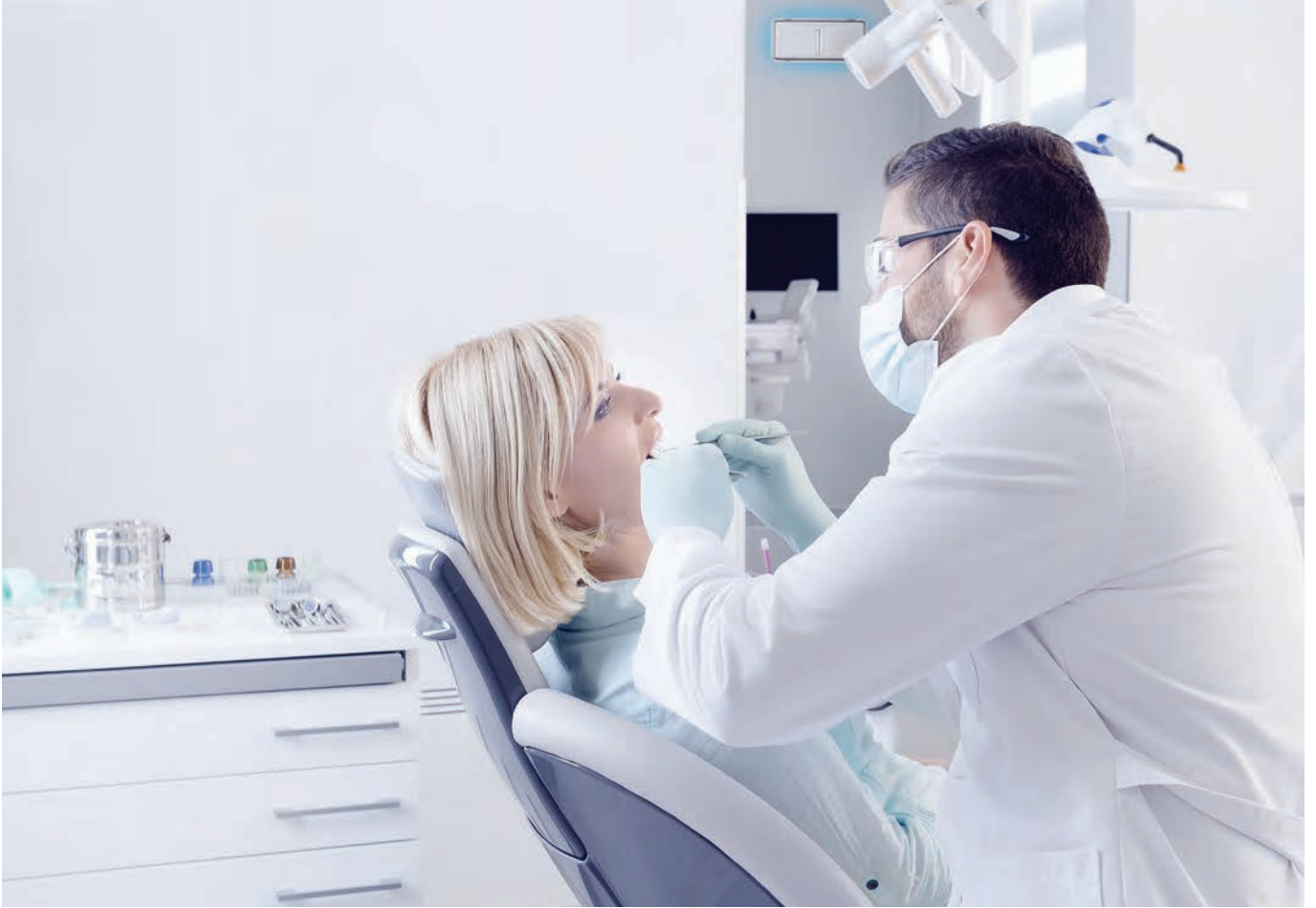
SanificaAria RADIO TRANSMITTER

Radio control via an external button, of one or more SanificaAria devices

Order Code **20104SA**

UvOxy® Applications

examples of applications





UvOxy[®] Applications

examples of applications



Sanifica **A** **RIA**
Beghelli

Sanifica **A**RIA Beghelli