Aesthetic portable disinfection device without installation (DESIGNED FOR PROFESSIONAL)

UV-C disinfection floor standing air unit

The Philips UV-C disinfection air unit is a powerful and effective way to disinfect circulating air. It draws air into the unit where UV-C radiation inactivates up to 95% of micro-organisms in 80m3 within just 1 hour (circular coverage 28m2)(1). With no need for mounting, the free standing unit can be wheeled into place in a wide range of professional applications, from offices and retail to hospitality. The aesthetic design delivers well-controlled UV-C radiation (RG0) and can also be used when people are present.

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Benefits
· Achieves 95% air disinfection in 80m3 in 1 hour(1).
· Circular coverage of 28m2.
· No fixed installation or mounting required and replaceable in the room.
· Reliable and strong UV-C irradiance inner chamber.
· User-friendly interface with clear display and range of flexible options.
· User-friendly interface with clear display and simple buttons, full range of flexible
  options.
· Aesthetic design.
· Mechanical safety and germicidal effectiveness validated by independent
  scientific reports: Germicidal effectiveness validated by test report(1). Easy
  maintenance with display notification for spare parts.
· (1) Henan Zhongke Lianchuang Test Service Co., Ltd Test conclusion: Philips UV-C
  Disinfection air unit（UVCA200）was operated for 60min and 120min respectively
  in the 80m³ test chamber, and the killing rate of natural bacteria in the air was
  ≥95% in each test which met the requirement of WS/T648-2019《General
  hygienic requirement for air disinfecting machine》

Features
· Housing material: anti UV plastic.
· Philips UV-C lamp: 4*18W PL-L version.
· Philips Ballast: HFP 236.
· Touch panel: timer button 30/60/120mins & On options, Fan speed button with
  low, medium and high options, lock buttun to avoid unwanted operations, power
  on/off button.
· Display on user interface, which starts counting down on pre-set disinfection
  duration.
· Safety start, UVC lamp can only be lighted on when the back cover of UVC inner
  chamber has been well assembled.
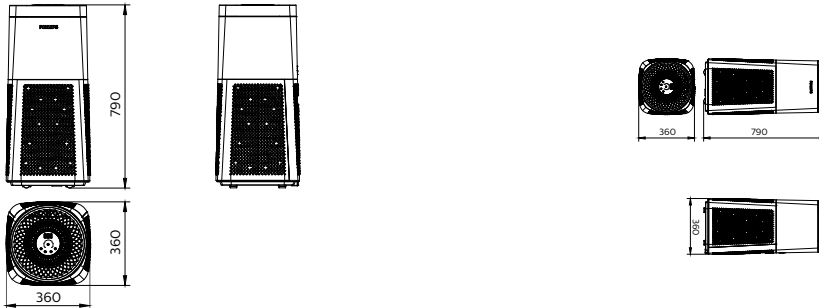· Four wheels for portable & flexible movement.

Application
· Hair and beauty salons
· Hotel rooms
· Restaurants
· Small meeting rooms in offices and banking
· Classrooms in schools and kindergartens
· Waiting rooms in clinics

Warnings and Safety
· Warnings and safety: Like any disinfection system, UV-C lamps and devices must be installed and used in the correct way. Direct
  exposure to UV-C can be dangerous and result in a sunburn-like reaction to the skin and serious damage to the cornea.
· DISCLAIMER: The UV-C air unit effectiveness in the inactivation of certain viruses, bacteria, protozoa, fungi or other harmful
  micro-organisms is as described above under the heading "Benefits". Signify and its group of companies do not promise or
  warrant that the use of the UV-C disinfection active air will protect or prevent any user from infection and/or contamination with
  any viruses, bacteria, protozoa, fungi, illness or disease. The UV-C disinfection air unit is not approved for, is not intended for and
  must not be used to disinfect medical devices. In addition to and without limitation of any exclusions or limitations of liability of
  Signify and its group of companies as set forth in any agreement for the sale, distribution or otherwise making available of the
  UV-C air unit, Signify and its group of companies shall have no responsibility or liability whatsoever for any claim or damage that
  may arise from or relate to any use of the UV-C air unit outside of their intended use or contrary to their installation and operation
  instructions, each as described in this document under the heading "Application", the user manuals and/or the mounting
  instructions.

UV-C disinfection floor standing air unit

Dimensional drawing
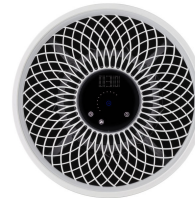

Product details

UVCA200 UV-C Floor standing air unit

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UV-C disinfection floor standing air unit

General Information

ENEC mark	–
Flammability mark	–
Number of gear units	1 unit
EU RoHS compliant	Yes
Warranty period	1 years

Light Technical

Optic type	–

Operating and Electrical

Power Factor (Fraction)	0.9

Controls and Dimming

Dimmable	No

Mechanical and Housing

Housing Color	White
Optic material	–
Reflector material	–

Approval and Application

Protection class IEC	Safety class II
Ingress protection code	IP20

Initial Performance (IEC Compliant)

Power consumption tolerance	+/-10%

Application Conditions

Suitable for random switching	No

General Information

Order Code	Full Product Name	CE mark	Gear	Glow-wire test
911401538981	UVCA200 128W 16	CE mark	–	Temperature 850 °C, duration 5 s
911401703643	UVCA100 84W 04	CE mark	–	Temperature 850 °C, duration 5 s
911401703723	UVCA100 84W 12	CE mark	–	Temperature 850 °C, duration 5 s
911401703733	UVCA200 120W 01	CE mark	–	Temperature 850 °C, duration 5 s
911401703743	UVCA200 120W 02	CE mark	–	Temperature 850 °C, duration 5 s
911401703753	UVCA200 120W 03	CE mark	–	Temperature 850 °C, duration 5 s
911401703763	UVCA200 120W 04	CE mark	–	Temperature 850 °C, duration 5 s
911401703773	UVCA200 120W 05	CE mark	–	Temperature 850 °C, duration 5 s
911401703793	UVCA200 120W 07	CE mark	–	Temperature 850 °C, duration 5 s
911401703803	UVCA200 120W 08	CE mark	–	Temperature 850 °C, duration 5 s
911401703813	UVCA200 120W 09	CE mark	–	Temperature 850 °C, duration 5 s
911401703823	UVCA200 120W 10	CE mark	–	Temperature 850 °C, duration 5 s
911401703833	UVCA200 120W 11	CE mark	–	Temperature 850 °C, duration 5 s
911401703843	UVCA200 120W 12	CE mark	–	Temperature 850 °C, duration 5 s
911401548581	UVCA200 EU 4xPL-L 18W/TUV HFP	Yes	HFP	Temperature 650 °C, duration 30 s
911401548681	UVCA200 UKI 4xPL-L 18W/TUV HFP	Yes	HFP	Temperature 650 °C, duration 30 s

Light Technical

Order Code	Full Product Name	Number of light sources	Order Code	Full Product Name	Number of light sources
911401538981	UVCA200 128W 16	4	911401703793	UVCA200 120W 07	4
911401703643	UVCA100 84W 04	2	911401703803	UVCA200 120W 08	4
911401703723	UVCA100 84W 12	2	911401703813	UVCA200 120W 09	4
911401703733	UVCA200 120W 01	4	911401703823	UVCA200 120W 10	4
911401703743	UVCA200 120W 02	4	911401703833	UVCA200 120W 11	4
911401703753	UVCA200 120W 03	4	911401703843	UVCA200 120W 12	4
911401703763	UVCA200 120W 04	4	911401548581	UVCA200 EU 4xPL-L 18W/TUV HFP	4
911401703773	UVCA200 120W 05	4	911401548681	UVCA200 UKI 4xPL-L 18W/TUV HFP	4

Operating and Electrical (1/2)

Order Code	Full Product Name	Cable	Connection	Inrush current	Inrush time	Order Code	Full Product Name	Cable	Connection	Inrush current	Inrush time
911401538981	UVCA200 128W 16	–	Connection unit 3-pole	20 A	0.225 ms	911401703723	UVCA100 84W 12	–	Connection unit 3-pole	18 A	0.25 ms
911401703643	UVCA100 84W 04	–	Connection unit 3-pole	18 A	0.25 ms	911401703733	UVCA200 120W 01	–	Connection unit 3-pole	25 A	0.25 ms

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Order Code	Full Product Name	Cable	Connection	Inrush current	Inrush time
911401703743	UVCA200 120W 02	-	Connection unit 3-pole	25 A	0.25 ms
911401703753	UVCA200 120W 03	-	Connection unit 3-pole	25 A	0.25 ms
911401703763	UVCA200 120W 04	-	Connection unit 3-pole	25 A	0.25 ms
911401703773	UVCA200 120W 05	-	Connection unit 3-pole	25 A	0.25 ms
911401703793	UVCA200 120W 07	-	Connection unit 3-pole	25 A	0.25 ms
911401703803	UVCA200 120W 08	-	Connection unit 3-pole	25 A	0.25 ms
911401703813	UVCA200 120W 09	-	Connection unit 3-pole	20 A	0.225 ms

Order Code	Full Product Name	Cable	Connection	Inrush current	Inrush time
911401703823	UVCA200 120W 10	-	Connection unit 3-pole	25 A	0.25 ms
911401703833	UVCA200 120W 11	-	Connection unit 3-pole	25 A	0.25 ms
911401703843	UVCA200 120W 12	-	Connection unit 3-pole	25 A	0.25 ms
911401548581	UVCA200 EU 4xPL-L 18W/TUV HFP	Cable 1.0 m with plug 2-pole	Plug-in connector 2-pole	36 A	0.25 ms
911401548681	UVCA200 UKI 4xPL-L 18W/TUV HFP	Cable 1.0 m with plug 2-pole	Plug-in connector 2-pole	36 A	0.25 ms

Operating and Electrical (2/2)

Order Code	Full Product Name	Input Voltage	Number of products on MCB of 16 A type B
911401538981	UVCA200 128W 16	110 to 140 V	-
911401703643	UVCA100 84W 04	220-240 V	-
911401703723	UVCA100 84W 12	220-240 V	-
911401703733	UVCA200 120W 01	220-240 V	-
911401703743	UVCA200 120W 02	220-240 V	-
911401703753	UVCA200 120W 03	220-240 V	-
911401703763	UVCA200 120W 04	220-240 V	-
911401703773	UVCA200 120W 05	220-240 V	-
911401703793	UVCA200 120W 07	220-240 V	-

Order Code	Full Product Name	Input Voltage	Number of products on MCB of 16 A type B
911401703803	UVCA200 120W 08	220-240 V	-
911401703813	UVCA200 120W 09	110 to 140 V	-
911401703823	UVCA200 120W 10	220-240 V	-
911401703833	UVCA200 120W 11	220-240 V	-
911401703843	UVCA200 120W 12	220-240 V	-
911401548581	UVCA200 EU 4xPL-L 18W/TUV HFP	220 to 240 V	14
911401548681	UVCA200 UKI 4xPL-L 18W/TUV HFP	220 to 240 V	14

Temperature

Order Code	Full Product Name	Ambient temperature range
911401538981	UVCA200 128W 16	+5 to +40 °C
911401703643	UVCA100 84W 04	+5 to +40 °C
911401703723	UVCA100 84W 12	+5 to +40 °C
911401703733	UVCA200 120W 01	+5 to +40 °C
911401703743	UVCA200 120W 02	+5 to +40 °C
911401703753	UVCA200 120W 03	+5 to +40 °C
911401703763	UVCA200 120W 04	+5 to +40 °C
911401703773	UVCA200 120W 05	+5 to +40 °C

Order Code	Full Product Name	Ambient temperature range
911401703793	UVCA200 120W 07	+5 to +40 °C
911401703803	UVCA200 120W 08	+5 to +40 °C
911401703813	UVCA200 120W 09	+5 to +40 °C
911401703823	UVCA200 120W 10	+5 to +40 °C
911401703833	UVCA200 120W 11	+5 to +40 °C
911401703843	UVCA200 120W 12	+5 to +40 °C
911401548581	UVCA200 EU 4xPL-L 18W/TUV HFP	+20 to +40 °C
911401548681	UVCA200 UKI 4xPL-L 18W/TUV HFP	+20 to +40 °C

Mechanical and Housing

Order Code	Full Product Name	Housing Material	Overall height
911401538981	UVCA200 128W 16	Plastic	839 mm
911401703643	UVCA100 84W 04	Plastic	839 mm
911401703723	UVCA100 84W 12	Plastic	839 mm
911401703733	UVCA200 120W 01	Plastic	839 mm
911401703743	UVCA200 120W 02	Plastic	839 mm

Order Code	Full Product Name	Housing Material	Overall height
911401703753	UVCA200 120W 03	Plastic	839 mm
911401703763	UVCA200 120W 04	Plastic	839 mm
911401703773	UVCA200 120W 05	Plastic	839 mm
911401703793	UVCA200 120W 07	Plastic	839 mm
911401703803	UVCA200 120W 08	Plastic	839 mm

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Order Code	Full Product Name	Housing Material	Overall height
911401703813	UVCA200 120W 09	Plastic	839 mm
911401703823	UVCA200 120W 10	Plastic	839 mm
911401703833	UVCA200 120W 11	Plastic	839 mm

Order Code	Full Product Name	Housing Material	Overall height
911401703843	UVCA200 120W 12	Plastic	839 mm
911401548581	UVCA200 EU 4xPL-L 18W/TUV HFP	Polycarbonate	790 mm
911401548681	UVCA200 UKI 4xPL-L 18W/TUV HFP	Polycarbonate	790 mm

Approval and Application

Order Code	Full Product Name	Mech. impact protection code
911401538981	UVCA200 128W 16	-
911401703643	UVCA100 84W 04	-
911401703723	UVCA100 84W 12	-
911401703733	UVCA200 120W 01	-
911401703743	UVCA200 120W 02	-
911401703753	UVCA200 120W 03	-
911401703763	UVCA200 120W 04	-
911401703773	UVCA200 120W 05	-

Order Code	Full Product Name	Mech. impact protection code
911401703793	UVCA200 120W 07	-
911401703803	UVCA200 120W 08	-
911401703813	UVCA200 120W 09	-
911401703823	UVCA200 120W 10	-
911401703833	UVCA200 120W 11	-
911401703843	UVCA200 120W 12	-
911401548581	UVCA200 EU 4xPL-L 18W/TUV HFP	IK03
911401548681	UVCA200 UKI 4xPL-L 18W/TUV HFP	IK03

UV

Order Code	Full Product Name	UV-C irradiance defined at 0.2m	UV-C irradiance defined at 2m	UV-C radiation
911401538981	UVCA200 128W 16	-	-	-
911401703643	UVCA100 84W 04	-	-	-
911401703723	UVCA100 84W 12	-	-	-
911401703733	UVCA200 120W 01	-	-	-
911401703743	UVCA200 120W 02	-	-	-
911401703753	UVCA200 120W 03	-	-	-
911401703763	UVCA200 120W 04	-	-	-
911401703773	UVCA200 120W 05	-	-	-
911401703793	UVCA200 120W 07	-	-	-

Order Code	Full Product Name	UV-C irradiance defined at 0.2m	UV-C irradiance defined at 2m	UV-C radiation
911401703803	UVCA200 120W 08	-	-	-
911401703813	UVCA200 120W 09	-	-	-
911401703823	UVCA200 120W 10	-	-	-
911401703833	UVCA200 120W 11	-	-	-
911401703843	UVCA200 120W 12	-	-	-
911401548581	UVCA200 EU 4xPL-L 18W/TUV HFP	0 mW/m²	0 mW/m²	18.8 W
911401548681	UVCA200 UKI 4xPL-L 18W/TUV HFP	0 mW/m²	0 mW/m²	18.8 W