

PHILIPS

UV-C Disinfection system

Disinfects 99.99% germs**

One touch quick disinfection[^]
Keeps food fresher longer

Light on germs gone



Ensure your family's safety with an easy to use device, that disinfects almost anything within minutes.



Disinfects 99.99% germs



Safe to use



Uniform disinfection

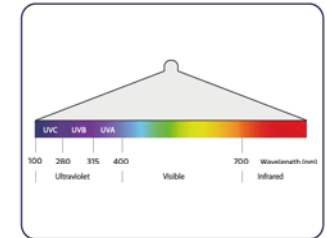


Easy to use

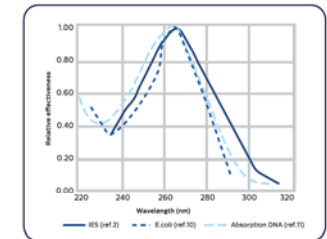
UV-C radiation technology

What is UV-C technology?

UV-C is found within 100-280 nm range. In the graph it can be seen that germicidal action is maximized at 265 nm with reductions on either side. Philips Low pressure UV-C lamps, used in Philips¹



UV-C lamps used in UV-C Disinfection system, have their main emission at 254 nm where the action on DNA is 85% of the peak value and 80% on the IES curve. As a result, our germicidal lamps are extremely effective in breaking down the DNA of micro-organisms. This means that they cannot replicate and cause disease.



Benefits of UV-C technology



Reliable disinfection



Easy and cost effective



Defeats micro-organisms



Protects against micro-organisms

Why choose Philips UV-C technology?

Environment Friendly

Disinfects without any use of chemicals

Effective against all germs

Quick & easy disinfection



¹ A comparison of pulsed and continuous ultraviolet light sources for the decontamination of surfaces. McDonald K.F., Curry R.D., Clevenger T.E., Unklesbay K., Eisenstark A., Golden J., Morgan R.D. IEEE Trans. Plasma Sci. 2000;28:1581-1587. doi: 10.1109/27.901237.



During their research Dr. Anthony Griffiths, Associate Professor of Microbiology at Boston University School of Medicine and his team treated inoculated material with different doses of UV-C radiation coming from a Signify light source and assessed the inactivation capacity under various conditions. The team applied a dose of 5mJ/cm², resulting in a reduction of the SARS-CoV-2 virus of 99% in 6 seconds. Based on the data, it was determined that a dose of 22mJ/cm² will result in a reduction of 99.9999% in 25 seconds.

Signify is the leader in UV-C light sources and has been at the forefront of UV-C technology for more than 35 years. It has a proven track record of innovation in UV-C lighting, which is designed, manufactured and installed in line with the highest safety standards.



Philips UV-C Disinfection system

One solution for all your disinfection needs

Why choose Philips UV-C lighting products?



Reliable
UV-C output



Highest
lamp quality



Proven
experience



Applicable
in various fields



Disinfects
99.99% germs



Portable & easy
to move



Safe to use



1 year on-site
warranty



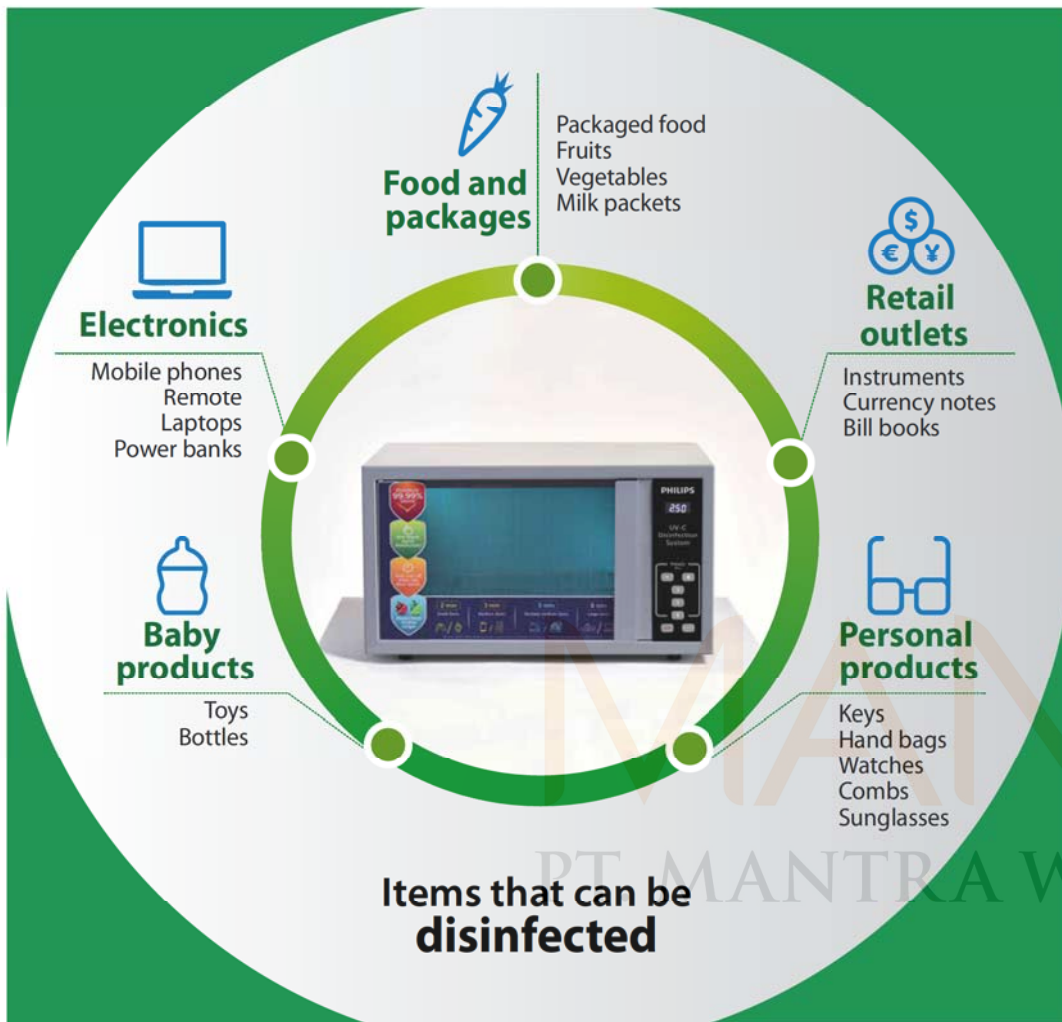
Special material used
for uniform disinfection



Easy to use, with
one touch operation

For more details visit the link below

<https://www.signify.com/global/our-company/news/press-releases/2020/20200616-signify-boston-university-validate-effectiveness-signify-uv-c-light-sources-on-inactivating-virus-that-causes-covid19?linkId=90981328>



Quick disinfection

Deactivates viruses in matter of few minutes

2 min

Small objects



3 min

Medium objects



5 min

Multiple medium objects



8 min

Large objects



Select time based on size and quantity of items to be disinfected

Philips UV-C Disinfection system is safe to use



Safety Mechanism

Auto cut off of UV-C radiation, when glass door is opened



Special glass door

Contains the UV-C radiation within the chamber



Safe for food and electronic items

Does not affect the quality of food or functioning of electronics. Only disinfects outer surface



How to use Philips UV-C Disinfection system

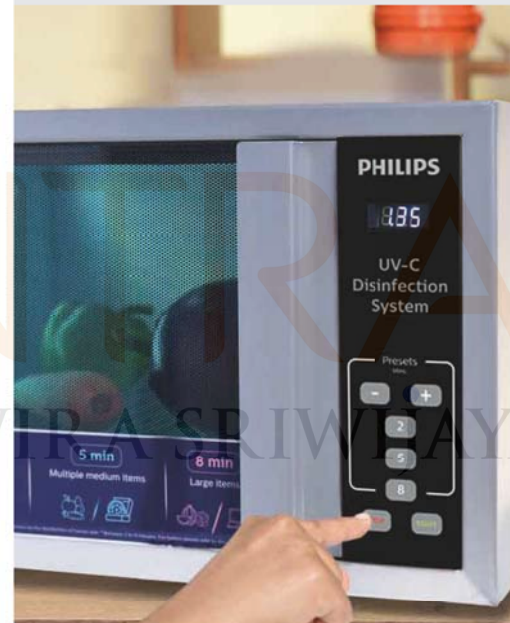
Easy four step process



Turn on power supply. Once the digital display is lit, the product is turned on.



Open the door and place items to be disinfected above the grill.



Set timer as per the quantity and size of items to be disinfected. Use one of the following modes for setting time.

1. Custom mode

Set timing of 2, 5 or 8 mins by pressing the buttons on the front panel.

Use (+) & (-) buttons to increase/decrease timer by 1 min.

Press start button to begin the disinfection process.

2. Quick/ Easy mode

Press start button twice to begin disinfection process with 3 mins timer.

Once the timer is completed, the UV-C light will turn off, completing the disinfection.

Open the door and take out your disinfected items.

Your items are 99.99% germs free and safe to use.



Note: Maintain distance between the items. Do not stack items one above the other.

Available in 3 variants

Based on your disinfection needs

Philips UV-C Disinfection system 10 litres



Ideal for small items like keys, sunglasses, currency notes, wallet, mobile, toys & bottles, watches, milk packets, fruits and vegetables, small instruments like scissors etc.



Model	UVDSPHL10L
Generic name	UV-C Disinfection system 10 litres
Capacity	10 litres
Germicidal lamps	1 nos
Outer dimentions (lxbxh)	315x265x225 (mm)
MRP	Rs. 8,990
Timer setting	1 to 10 minutes
Standby power (w)	0.5w
Operating power (W)	15W
User UV-C protection	Door open protection
Rated input voltage	230-240VAC - 50Hz
Power cable	3 pin 5A, 1.2 meters*
Output	254 nm UV-C light
Initial typical irradiance*	>6 W/m ²
Operating temperature	0°C- 45°C, 10-85% humidity
Operating voltage range	198V-264VAC

*under test condition #available length outside

Philips UV-C Disinfection system
15 litres



Ideal for multiple medium size items like grocery, fruits and vegetables, packaged food, milk packets, electronics, billbooks, delivery packages, toys, handbag etc.



Philips UV-C Disinfection system
30 litres



Ideal for large size items and multiple medium size items like grocery, fruits and vegetables, packaged food, milk packets, laptop, delivery packages, toys, handbag, helmet, etc.



Model	UVDSPHL15L
Generic name	UV-C Disinfection system 15 litres
Capacity	15 litres
Germicidal lamps	2 nos
Outer dimentions (lxbxh)	375x290x250(mm)
MRP	Rs. 10,990
Timer setting	1 to 10 minutes
Standby power (w)	0.5w
Operating power (W)	25W
User UV-C protection	Door open protection
Rated input voltage	230-240VAC - 50Hz
Power cable	3 pin 5A, 1.2 meters*
Output	254 nm UV-C light
Initial typical irradiance*	>7 W/m ²
Operating temperature	0°C- 45°C, 10-85% humidity
Operating voltage range	198V-264VAC

*under test condition #available length outside

Model	UVDSPHL30L
Generic name	UV-C Disinfection system 30 litres
Capacity	30 litres
Germicidal lamps	2 nos
Outer dimentions (lxbxh)	460x350x250(mm)
MRP	Rs. 12,990
Timer setting	1 to 10 minutes
Standby power (w)	0.5w
Operating power (W)	30W
User UV-C protection	Door open protection
Rated input voltage	230-240VAC - 50Hz
Power cable	3 pin 5A, 1.2 meters*
Output	254 nm UV-C light
Initial typical irradiance*	>8 W/m ²
Operating temperature	0°C- 45°C, 10-85% humidity
Operating voltage range	198V-264VAC

*under test condition #available length outside

FAQs

01 **Is UV-C Disinfection system safe for home use?**

The UV-C Disinfection system incorporates certain safety measures for use by humans, which measures are detailed in the various safety instructions mentioned in the user manual. Auto cut off feature is provided to avoid accidental UV-C radiation exposure for the user, never bypass the door switch or use the system with damaged front glass.

02 **For what products can I use UV-C Disinfection system? Will it disinfect the items from inside?**

The device is useful for surface disinfection, i.e. surface at which the UV-C radiation fall will be disinfected, items inside packaging, cover, utensils will not be disinfected, as UV-C rays will not travel through any surface including metal, plastic or even glass.

03 **Which part of the items will be disinfected?**

The surfaces of object receiving UV-C light will be disinfected, UV-C Disinfection system has special coating inside which helps UV-C radiation to get reflected from the walls of the product.

04 **Is the visible blue light the UV-C radiation?**

The device has a special Philips disinfection lamp which also emit a visible blue glow visible to user indicating operation in process, indicating functioning of the device, this must be noted this light is not UV-C (human eye cannot see UV-C radiation).

05 **Do we need to evacuate the room while using the system?**

No, UV-C Disinfection system is fitted with special glass door which blocks and contains UV-C radiation within the UV-C Disinfection system, keeping UV-C radiation in safer limits and thus there is no need to evacuate the room while using the system. Only visible light passes through the glass door, which is not harmful in any way.

Note- Never bypass the door protection switch or use device with a damaged door.

06 **Can water be purified using UV-C Disinfection system?**

The device is effective for surface disinfection of objects and not for treating drinking water.

07 **Can the UV-C Disinfection system disinfect my mobile/ electronic items?**

Yes, the system can be used to disinfect electronic items like mobile, laptop, iPad/ tablet, etc.

08 **How can I service the UV-C Disinfection system?**

The UV-C Disinfection system contains no user serviceable parts and for service-related query please contact authorized service team.

09 **Can the product be used for disinfecting packed frozen food like Ice-cream?**

Yes, the system does not heat the object being disinfected, it can disinfect packed items in matter of minutes.

10 What should I do if the lamp inside the system is broken?
A lamp breaking is extremely unlikely to have any impact on your health. In case of an accidental breakage, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for safe disposal.

11 For how long can I expose any item to UV radiations?
Expose the items to the radiations as per recommended time. Longer the exposure better is the disinfection. Repeated usage over a long time may result in some discoloration and change in surface property of objects.

12 Can the product be used to sterilize medical products/ equipment?
Device should not be used for sterilization/ disinfection of surgical tools and medical equipment.



Manual valid for all 3 models (10/15/30 ltr.)

Service

In the unlikely event if you are facing a problem that has not been sorted out by troubleshooting kindly adopt the following procedure. Complaints may be logged on our service call desk number

000 800 050 7777

(international toll-free number) Monday to Saturday 09:00 to 18:00.

Email Id: support.Philipslightingindia@signify.com

Website: www.lighting.philips.co.in/support/connect/contact-us

*For List of cities where service available please visit <https://bit.ly/2MR3P9F> can be checked through service call desk number.

**Locations where service not available Customer need to pay Service charges as applicable.

*Based on testing 500g of packed food/beverage for 3 minutes in accordance with irradiance simulation .The disinfection value varies depending on exposure time, quantity, size and position of the objects

#^Refer to user manual for more details