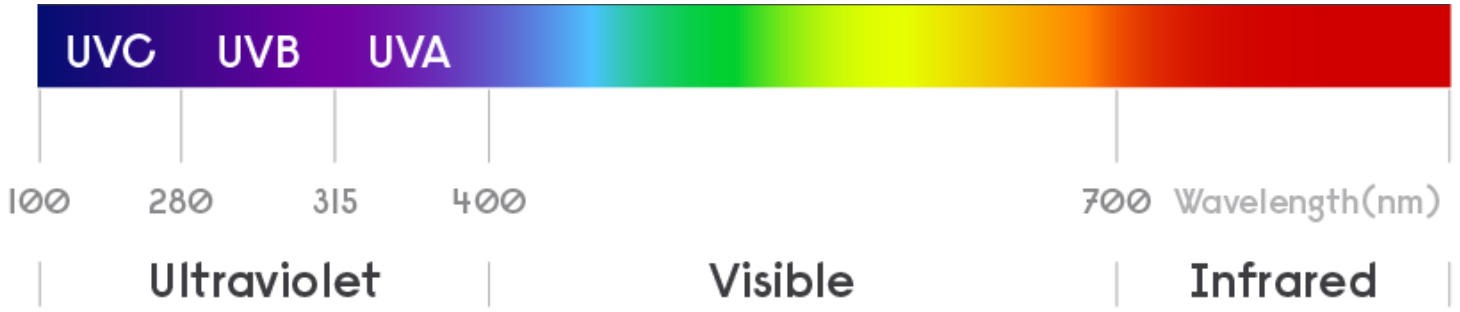
LATEST NEWS

Signify and Boston University have validated the effectiveness of our light sources on **inactivating the virus that causes COVID-19**

What is UV radiation?

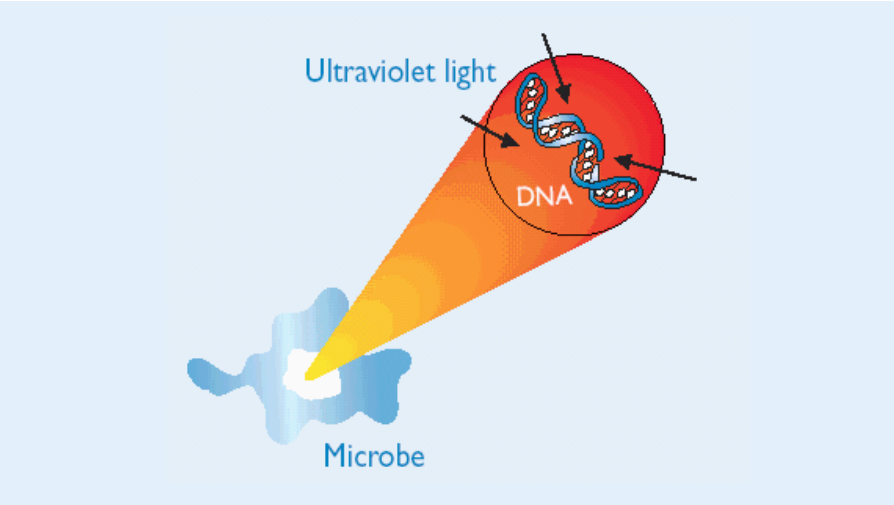
Ultraviolet (UV) light is invisible to human eyes. It can be subdivided into three categories:

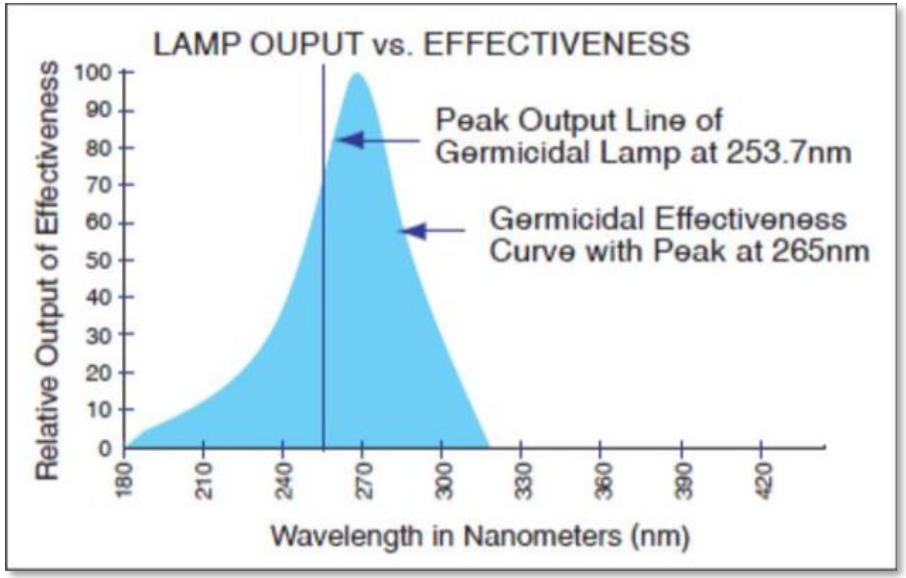
UV-C from 200 to 280 nm	UV-B from 280 to 315 nm	UV-A from 315 to 400 nm
• For disinfection purposes and germicidal application	• For medical use (i.e. phototherapy to treat skin conditions, including psoriasis)	• For use with curing, suntanning and insect traps.



How does it work?

- UV-C radiation can **break the DNA and RNA** of bacteria, viruses and spores, meaning that they leave them harmless. There are **no known micro-organisms resistant** to UVC.[1]
- UV-C technology has been used **safely and effectively** in hospitals and governmental buildings for more than **40 years**[2]
- Most UV-C solutions **utilize conventional lighting**, with LED now improving in efficiency
- The **peak output of our germicidal lamps (253.7nm)** is close (80-85%) to the maximum effectiveness of UV-C (265nm)
- Smaller UV-C wavelengths (222nm) are being explored as less harmful alternatives





[1] Fluence (UV Dose) Required to Achieve Incremental Log Inactivation of Bacteria, Protozoa, Viruses and Algae Revised, updated and expanded by Adel Haji Malayeri, Madjid Mohseni, Bill Cairns and James R. Bolton. With earlier contributions by Gabriel Chevrefils (2006) and Eric Caron (2006) With peer review by Benoit Barbeau, Harold Wright (1999) and Karl G. Linden

[2] EPA Report, "Building Retrofits for Increased Protection Against Airborne Chemical and Biological Releases" Pg. 56

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PHILIPS

LED sanitization

405nm LED Batten

Pure 405nm visible light disinfection luminaire, portable and movable with USB port.

280mm x 22mm x 14mm

No harm to eyes and skins

Application

- Home usage

PHILIPS

LED sanitization

405nm LED Batten

Pure 405nm visible light disinfection luminaire, portable and movable with USB port.

Feature

- 99.9% of certain bacteria within 8 hours
- Portable/movable equipment via USB interface
- Visible light spectrum, no blue light hazard
- RG0 according to IEC62471

Benefit

- No harm to eyes and skins
- No special expertise needed, just as easy as turn on the lights
- Continuous disinfection effect
- Environment Friendly, no Ozone generation

Main specification

- 5W LED
- USB connection
- PVC housing
- Installation tape, magnet or screw

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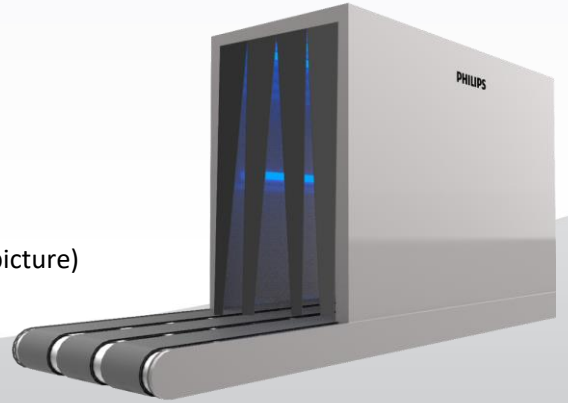
UV-C Appliances

Future products

Safe and easy to use, for cost effective and sustainable disinfection of areas

(indicative picture)

(indicative picture)

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