



**LED FUTURE**

# **DISINFECTION OF THE FUTURE**

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**UVC LED**



# WITH UVC LED DISINFECTION IS

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**FAST**

**SAFE FOR DISINFECTION  
OBJECTS**

**ENERGY AND  
ENVIRONMENT  
FRIENDLY**

**UVC LED DEVICES ARE  
MAINTENANCE FREE**





# LED FUTURE

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Is a collaboration of professional engineers, doctors and researchers from Finland who are developing disinfection technologies since 2013.

First UVC LED devices were produced already in 2014 and won international innovation prizes.

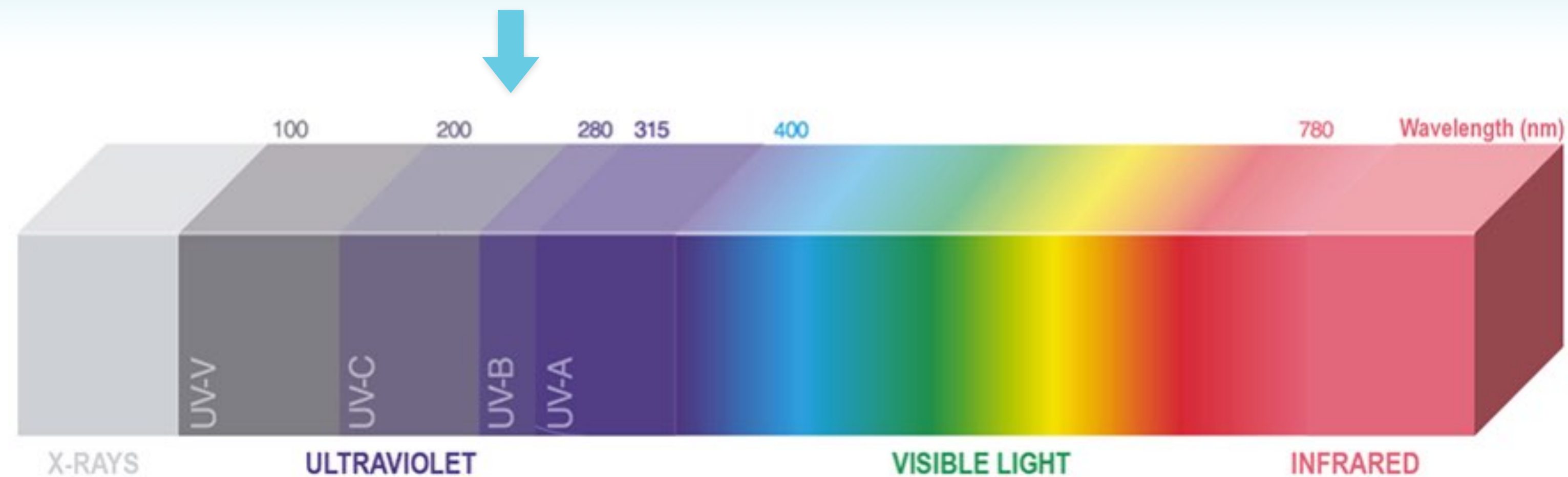
Finland has high-quality product standards, therefore all devices are certified and tested.





UV-C radiation (200-280nm) is a recognized disinfectant for air, water and surfaces that can help reduce the risk of obtaining an infection and has been used extensively for more than 40 years. All bacteria and viruses tested to date (many hundreds over the years, including various coronaviruses and antibiotic-resistant bacterias) respond to UV-C disinfection.

## UVC LIGHT



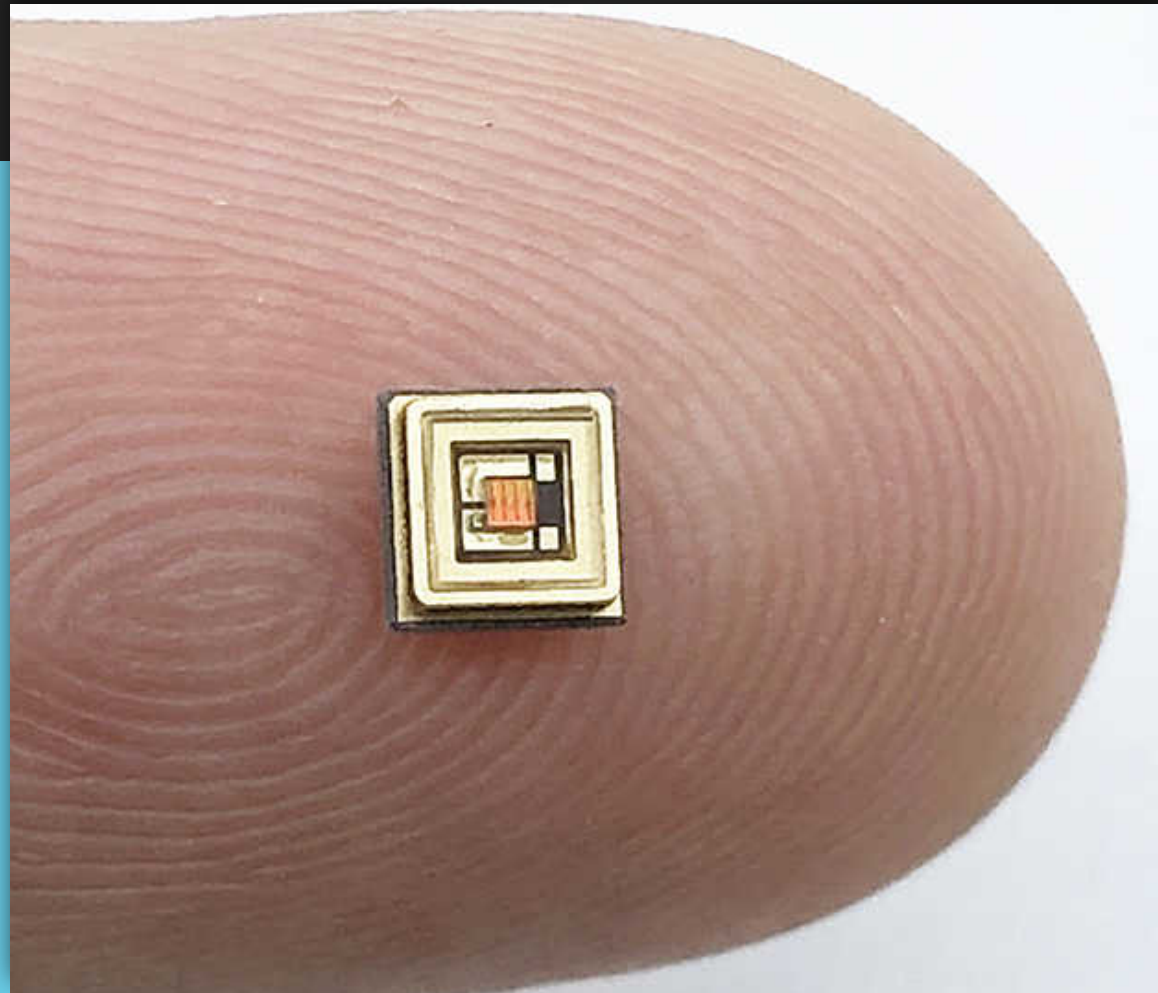


## HOW UVC LIGHT WORKS

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Bactericidal ultraviolet radiation (UV-C) deactivates the DNA of bacteria, viruses and other pathogenic microorganisms, destroying their ability to multiply and cause disease. In particular, UVC radiation damages the nucleic acid of microorganisms by the formation of covalent bonds between certain adjacent DNA bases. The formation of such bonds does not allow unarchiving DNA for replication, and the microorganism cannot multiply. When the microorganism tries to multiply, it dies.

## UVC LED



- Long-lasting 40,000 to 100,000 hours (4 to 10 years)
- Compact size 3.5 x 3.5 x 1.2 (mm)
- UVC LEDs give precisely the desired wavelength
- Lights immediately
- Recyclable materials

## UVC LAMP



- Lasts 6-12 months
- Large in size
- Fluorescent tubes have many wavelengths other than in the UVC range
- Begins to produce UVC light minutes after ignition
- Dangerous Mercury





## DISINFECTION DEVICES

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**DOUBLE LIGHT SYSTEM**

**CAR INDOOR  
DISINFECTION DEVICE**

**ROOM INTERIOR  
DISINFECTION DEVICE**

**HAND LUGGAGE  
DISINFECTION SYSTEM**

**IQ MOBILE BOX**

**BAGGAGE  
DISINFECTION SYSTEM**

**IQ MOBILE BOX BLACK**

**ESCALATOR  
DISINFECTION UNIT**

**MATERIAL LINE  
DISINFECTION SYSTEM**



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