



LED FUTURE

IQ Mobile box



IQ MOBILE - UVC LED disinfects anything, anywhere, anytime!

- no chemicals
- no heat
- no liquids

Technical info IQ Mobile 80

Adjustable disinfection time 0,5 - 6 min
 Operating temperature 0 - 50 ° C
 Charging time 300-400 min

Charger

Type FW7713 / EU
 In (Network Interface) 100-240V 50 / 60Hz 150mA
 Out (USB Connection) 5V / 1000mA

Device Power

Standby 0.3 W
 Control Electronics 2 W
 UVC LEDs 1.44 W
 Disinfection time Power 3.44 W

External dimensions 289 x 202 x 90 (mm)
 Internal dimensions 190,5 x 129,5 x 80 (mm)



IQ MOBILE - disinfection products are independent, genuinely mobile devices. Energy-efficient LED-technology means ecological aspects are well controlled, and electronics provide safety for usage.

IQ Mobile Disinfection uses UVC-light, which destroys microbial DNA-chains. IQ Mobile UVC-light works with all microbes – even the antibiotic-resistant ones.

Research findings

The logarithmic reduction of *Escherichia coli* (cfu/cm²) on the front surface of the mobile device (A=44.5 cm²) due to the impact of the UV Led during 30 minutes. The average impact of the drainage was subtracted from the reductions.

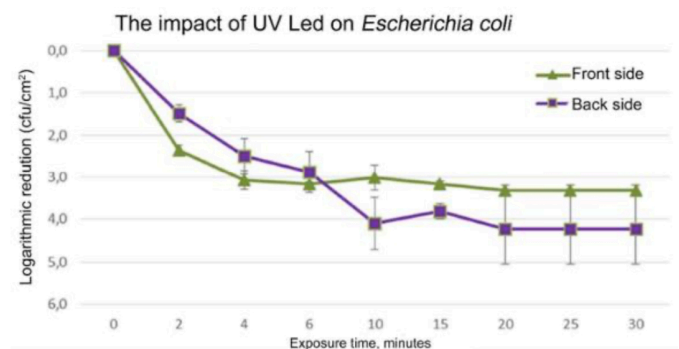


Figure 1. The impact of the UV-Led treatment on *E. coli* on the front and back surface of the phone. The maximum logarithmic reduction on the front side 3.3 and on the back side 4.4.

RESEARCH ON THE DISINFECTION OF A MOBILE DEVICE, Final report,
 University of Eastern Finland Department of Environmental Sciences, 11
 June 2015, Eila Torvinen, Anna-Maria Veijalainen, Sirpa Martikainen