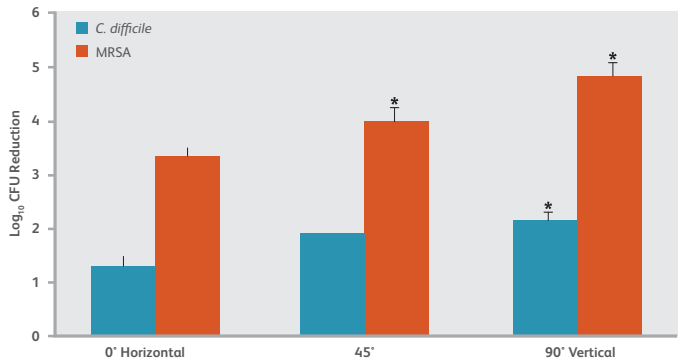


Responsible Disinfection

We know that pathogenic contamination in the patient environment is a significant risk to human health and that is why we recommend adding Galaxy MoonBeam™ 3 to your cleaning and disinfection protocols.

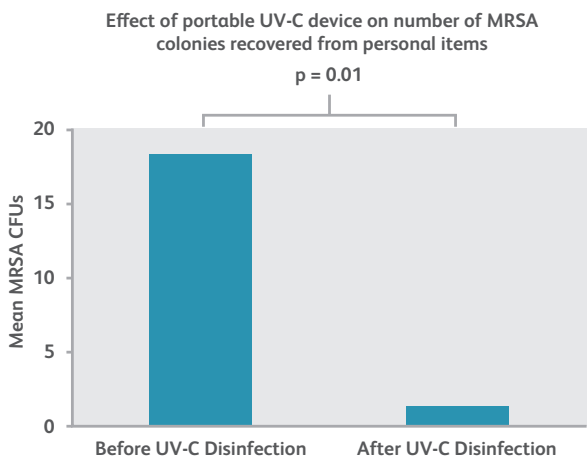
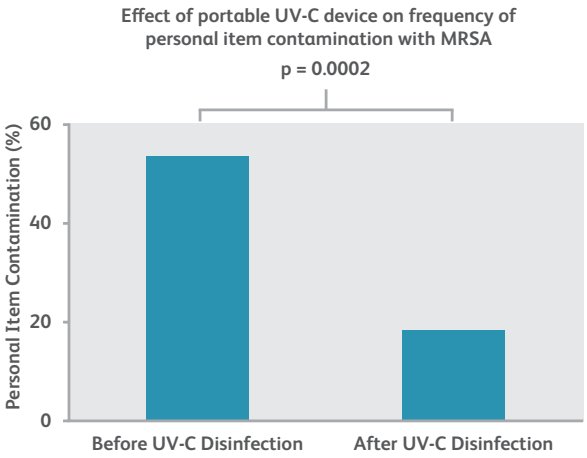
We take an evidence-based approach when selecting and designing our products and systems. There are more than 40 scientific studies measuring either the biocidal effect of UV-C light on microorganisms or the impact on HAI rates. For your reference, here are extracts from three key studies in the public domain that have explored the use of UV-C as part of an infection prevention package. If you would like to read the full studies the references are provided below

Study One : Effect of Variation in Test Methods on Performance of Ultraviolet-C Radiation Room Decontamination. Cadnum JL1, Tomas ME1, Sankar T1, Jencson A1, Mathew JI2,Kundrapu S2, Donskey CJ2



Effect of orientation of the carriers relative to the ultraviolet-C lamps on killing of Clostridium difficile spores and methicillin-resistant Staphylococcus aureus (MRSA) by the Optimum-UV Device.

Study Two: Evaluation of an ultraviolet light device for decontamination of personal items of long-term care facility residents. Tomas ME1, Cadnum JL2, Donskey CJ1 Koganti S, Alhmidi H, Jennifer L.



Study Three: Anderson DJ, et. al. “Enhanced terminal room disinfection and acquisition and infection caused by multi-drug-resistant organisms and Clostridium difficile (the benefits of enhanced terminal room disinfection study): a cluster-randomised, multicentre, crossover study”. Lancet, 2017: 389: 805-814.

“Use of UV lowered the infection rate for target organisms from 51.3 to 33.9 per 10,000 exposure days for rooms cleaned with quat disinfectants.”



Diversey has been, and always will be, pioneers and facilitators for life. We constantly deliver revolutionary cleaning and hygiene technologies that provide total confidence to our customers across all of our global sectors. Led by Dr. Ilham Kadri, President & CEO, and headquartered in Charlotte, North Carolina, USA, Diversey employs approximately 9,000 people globally, generating net sales of approximately \$2.6 billion in 2016.

For more information, visit www.diversey.com or follow us on social media.



Galaxy MoonBeam™ 3

Reduce Risk. Improve Outcomes.

Broad area disinfection in 3 minutes to eliminate life-threatening pathogens



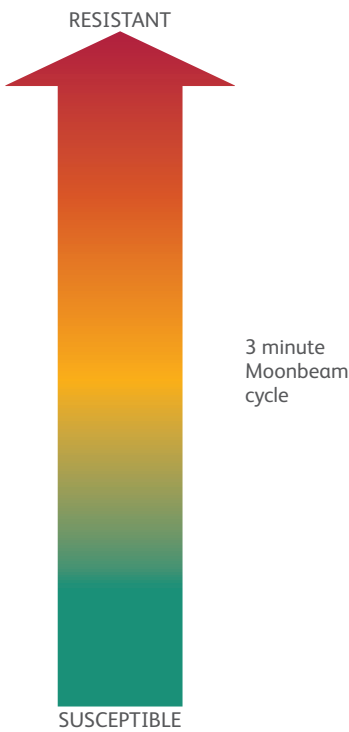


Galaxy Moonbeam™ 3

Reduce Risk. Improve Outcomes.

Broad area disinfection in 3 minutes to eliminate life-threatening pathogens
Twice as effective as traditional cleaning and disinfection alone.

Galaxy Moonbeam™ 3 is healthcare’s most adaptable and versatile UV-C disinfection unit. Its 3 adjustable articulating arms emit powerful UV-C light which disrupts the DNA of the pathogens it reaches preventing them from causing infections such as Multidrug-Resistant E coli, HIV, tuberculosis and Clostridium difficile.



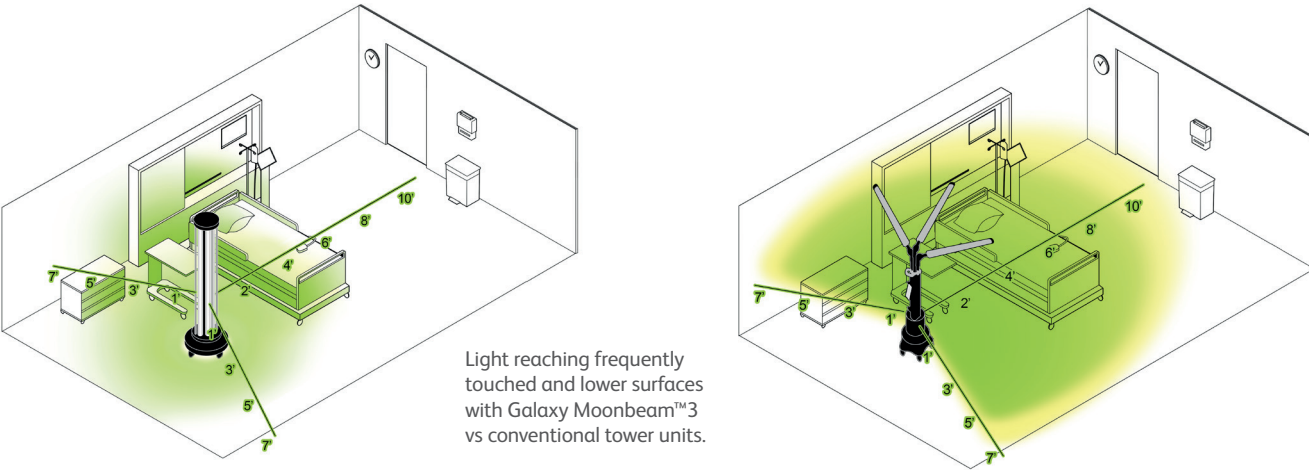
Class of Microorganism	Group	Examples/Reference Organisms
Bacterial Spores	Spore	<i>Bacillus anthracis</i> , <i>Clostridium difficile</i>
Mycobacteria	Bacteria	<i>M. tuberculosis</i>
Small non-enveloped virus	Virus	Polio, Norovirus
Fungi and fungal spores	Fungus	Aspergillus, Penicillium
Gram negative bacteria	Bacteria	<i>E. coli</i> , Klebsiella including CRE, Pseudomonas, Acinetobacter
Large Virus (non-enveloped)	Virus	Adenovirus, Rotavirus
Gram positive bacteria	Bacteria	<i>Staphylococcus</i> including MRSA <i>Enterococcus</i> including VRE
Virus (enveloped)	Virus	Influenza, HIV, HBV, HCV

Galaxy Moonbeam™ 3 is capable of deactivating a broad range of pathogens including those like c.diff spores that are usually more resistant to disinfection, in as little as 3 minutes.

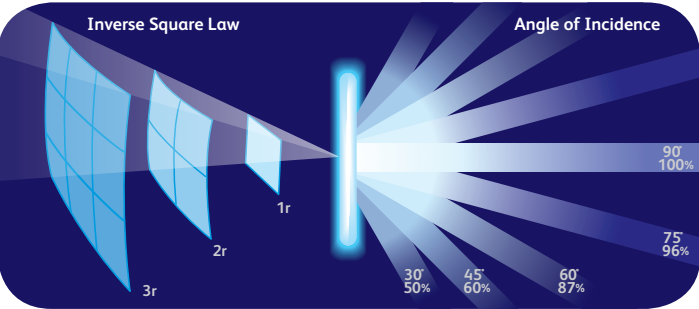
Using light right

As with all UV-C units, the strength of the effect is dependent on the distance from the bulb. Unlike more conventional tower units Galaxy MoonBeam™ 3’s arms can be adjusted to direct the light exactly where you need it, whilst its light weight and multidirectional lockable castors enable you to move the unit easily to create a broad umbrella of intense UV-C Light wherever it is needed most.

Ceilings and higher sections of the walls present significantly less infection risk than high touch and lower surfaces. By directing more of the light towards these surfaces you are able to utilise more of the light where it is needed.



The angle of the bulb is also very important when it comes to getting the best disinfection results. Light travels in a straight line. If the light is aimed straight at a surface or object the strength will be greater. The extent that the angle has on the intensity is explained by the angle of incidence.



For the best results the UV-C lamp should be parallel to the surface to create the right angle, and no more than 3 ft away.

Faster Cycles

Galaxy MoonBeam™ 3 deactivates bacteria, viruses and spores in a 3 minute cycle. This means that the unit can be easily maneuvered around the room to disinfect every critical surface in less than 30 minutes.

Intelligently Safe

The MoonBeam 3’s yellow cover not only protects it during transit, but it also houses the units control system so it can be activated remotely. The intelligent sensors ensure the unit can only be activated in an empty barricaded room and shuts down the system instantly should someone enter the room.

For extra reassurance, we can also supply a sentry assist unit that can provide full zone motion detection.

The nontoxic system is chemical and fume free. It will not bleach or damage equipment or furnishings so it can be used as frequently as is needed.

SimPlicity

Setting up MoonBeam 3 takes less than a minute and operating it couldn’t be simpler with our 3 **P**’s acronym. **P**lug it in, **P**osition the arms and **P**ress start.

