



Healthē[®] Space

UV Sanitizing and Illumination

Sanitize with a simple retrofit.

The Healthē[®] Space is a passive and continuous method to sanitize air and surfaces in occupied spaces. To install, simply unscrew the existing light from your six inch recessed an downlight, remove existing trim (if applicable), screw in the Healthē Space, push it in place and flip the switch to start the sanitizing.

Equipped with a Far-UVC source, the Space delivers 222 nanometer light to inactivate microbes; the reduction achieved is dependent on the type of contaminant, distance from the source and duration of exposure. Scientific data supports the germicidal efficacy and human safety of the novel Far-UVC (222nm) technology, including independent research backed by many peer-reviewed papers.^{1,2,3}

The integral general illumination features a boost at 435nm to help activate antimicrobial properties of TiO₂ found in surface coating and cleaners.

Available in 3000K and 4000K CCT, the Space provides comfortable white light suitable for all applications.



Applications

The Healthē Space is a 2-in-1 solution that integrates passive and continuous sanitization with general illumination for occupied spaces. Utilize the Space downlight in areas with large volume of foot traffic, such as office, retail shops, restaurants, and even schools and childcare centers, to provide proper lighting with sanitization operating behind the scenes and promote a positive and healthy environment.



Specifications All data shown is nominal

UV Sanitization Source

Wavelength	222 nm
Life	>3000 hrs

Light Source

LED	Standard White at 435nm to activate antimicrobial properties of TiO ₂ coatings and cleaners
CCT	3000K, 4000K
Life to L80	>69,000 hrs

Electrical

Input Voltage	120–277 V
Power	20 W
Mode	3 Sanitization Modes: Mode A (Unique Scenarios), Mode B (Far-UVC ON limited time when motion detected), Mode C (Far-UVC OFF when motion detected)

Mechanical

Housing	Polycarbonate housing with aluminum trim
Dimensions	4.10 × 3.05 in (Dia × H)
Mounting	Retrofit for 6 in recessed cans with medium E26 base

SAFETY

Studies^{1,2,3} have shown that continuous low doses of far-UVC radiation results in no harm to humans. The far-UVC light does not penetrate the top layer of the skin or the tear layer of the eye. The smaller cell structure of viruses and bacteria allow the far-UVC light to penetrate and cause damage.

CONTACT US

To learn more about the Healthe Space and how Healthe products are harnessing the ingredients of light, please visit www.healthelighting.com, or contact us directly.

¹ Welch, D., Buonanno, M., Grijj, V. et al. Far-UVC light: A new tool to control the spread of airborne-mediated microbial diseases. *Sci Rep* 8, 2752 (2018). <https://doi.org/10.1038/s41598-018-21058-w>

² Buonanno, M., Ponnaiya, B., Welch, D. et al. Germicidal Efficacy and Mammalian Skin Safety of 222-nm UV Light; Columbia University Medical Center; 2017; <https://pubmed.ncbi.nlm.nih.gov/28225654/>

³ Manuela Buonanno, David Welch, Igor Shuryak, David J. Brenner; Far-UVC Light Efficiently and Safely Inactivates Airborne Human Coronaviruses; Columbia University Medical Center; 2020; <https://www.researchsquare.com/article/rs-25728/v1>

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