



Disinfection Roadmap

EMC's germicidal solutions including UV lighting and visible light disinfection (405 nm) along with photocatalytic technologies are offered through a systematic roadmap approach. We identify areas for air + surface disinfection while maintaining the health and safety of the occupants. These options are considered for each project:



Mobile

Mobile UV-C photocatalyzer + filtration solutions



Basic

No enhanced disinfection technologies; increase HVAC air exchanges + liquid cleaning frequency



Level 1

Foundational HVAC clean air upgrade using UV-C light and/or photocatalyzers to treat entire facility



Level 2

High intensity room air + surface disinfection using fixed or mobile UV-C photocatalyzer + filtration solutions



Level 3

Active (direct) disinfection of air and surfaces in occupied rooms





Disinfection Solutions by Room Type

M

Mobile

- UV-C surface; pulsed Xenon; photocatalyzers; filtration; active disinfection
- Room or facility solution

B

Basic

- HVAC air exchange + filtration + liquid surface disinfection
- Facility solution

L1

Level 1

- HVAC with UV-C air/surface solutions (coil + airstream); photocatalyzers
- Facility solution

L2

Level 2

- Upper air + chamber troffers (254 nm UV-C air/surface; photocatalyzers)
- Room solution

L3

Level 3

- Active continuous solutions (405 nm; UV-C 222 nm; UV-C 365 nm; photocatalyzers)
- Room solution

Health Care Facility Example

