

Senior Living Air Disinfection Guide

Congregate living combines the most vulnerable residents with shared indoor air for nearly every waking hour. This sheet phases UV-C coverage room by room and prepares the community for respiratory season.

Three-phase room priority plan

- Phase 1: congregate dining, activity rooms, memory care common areas
- Phase 2: resident rooms, beginning with the highest-acuity hall
- Phase 3: corridors, entry lobbies, staff break rooms
- Over-bed units place the intake closest to the resident's breathing zone

Overnight operation checklist

- Set fan speed to the lowest setting that holds the coverage target
- Confirm the downlight dims independently of air cleaning
- Leave air treatment on 24/7; only the light follows the resident's schedule
- Verify the maintenance-indicator light is visible to night staff

Family and staff communication

- "Continuous air cleaning, with no UV exposure to residents."
- "The germicidal light is sealed inside the fixture."
- "It runs day and night, including in resident rooms."
- Brief staff on which rooms are covered in the current phase

Outbreak-season timeline

- Shoulder months: install phase 1 and phase 2
- Pre-season: confirm settings and brief families
- In season: document what changed rather than starting installation
- Post-season: review coverage gaps for the next phase

Operational fit for a small team

- No filter consumables to purchase or replace
- LEDs rated in years, not months
- Service indicated by a light rather than a calendar
- Sizing rule of thumb: about one fixture per 100 sq ft