



20-038  
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# Information Bulletin

ISSUER: Ferrari

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## Lumin© UV Sanitizers

### Distribution

UV Sanitizers have been delivered to each fire station and multiple locations throughout the city including the Everett Municipal Building and North and South Police Precincts.

### Effectiveness

Ultraviolet germicidal irradiation is a disinfection method that uses short-wavelength UV-C light to inactivate microorganisms by disrupting their DNA. The manufacturer of the Lumin has performed independent lab testing on bacteria, viruses, mold, and fungus. They determined the kill rate to be 99.9% for these microorganisms after a 5-minute disinfection cycle.

### Safety

The manufacturer of device states it is safe for our intended use. We ran our own APR/filter assembly through 100 cycles with this machine. There were no visible defects to the mask or filters, and the unit passed updated fit testing metrics by a wide margin. The manufacturer states some polymer degradation has been seen after 200 hrs. of UV exposure (1200 cycles).

### APR and Filter Decontamination Procedure

1. Wipe down the APR mask only (not the filter) with available disinfectant
2. Lay APR mask assembly in drawer face up
3. Run APR mask and attached filters through UV Sanitizer for 5 minutes
4. Inspect the sanitized mask and filters for integrity and damage
5. Store APR and attached filters in protective bag