



**WARNING:** This product emits ultraviolet (UV) radiation. Exposure to UV radiation can cause serious personal injuries, including damage to eyes and skin. Avoid direct exposure to the UV light. For more safety instructions, please refer to page 5 of this instruction manual (“UV Safety Rules”).

## Directions for Use and Operations

The ULTRA offers a patent-pending system, incorporating a Module of LEDs emitting ultraviolet-C (UV-C) invisible light and a powerful fan, which can reduce the concentration of SARS-CoV-2 virus in the breathable air of the room where the system is operating.<sup>1</sup> The module also includes indicator LEDs emitting violet-color visible light to indicate that the UV-C Module is on.

For optimal performance, mount the ULTRA on a 10-inch downrod with a total suspended height of 16 inches from the ceiling. To enable the UV-C technology in ULTRA to reduce the concentration of SARS-CoV-2 virus in the breathable air zones of the room where it is operating, keep the UV-C Module and fan on in forward rotation at maximum speed (6) for at least 30 minutes in rooms up to 8'x8'x10' in dimension and longer for a larger room.<sup>1</sup> For larger spaces, it is recommended to install multiple ULTRA fans. Once installed and powered on, the fan circulates air through the upper-room, the air passes above the UV-C Module, which acts to reduce the SARS-CoV-2 virus.<sup>1</sup>

The ULTRA can be operated only using the remote control supplied with the fan or the free downloadable Modern Forms app. The UV-C Module can be turned on and off from the remote. The ULTRA features an auto shut-down function that will automatically turn off the UV-C Module after a fixed period of time. This feature is off by default. To enable/disable, press and hold Light Toggle and Fan up for 4 seconds on the remote control. The fan will beep indicating change. The default time is 45 minutes. Duration can be changed using the Modern Forms App to 30, 45, or 60 minutes. The UV-C Module cannot be operated independently of the ceiling fan, but the ceiling fan can be operated independently of the UV-C Module. The rotation of the fan can be increased or decreased by 6 speed levels. The direction of rotation of the fan can also be reversed. The fan also has a Breeze Mode function which fluctuates the fan speeds.

The ULTRA is Damp Location Rated and can be operated indoors or in covered outdoor locations that have no direct exposure to water, rain, or snow.

## UV-C Module Indicator Lights

The ULTRA comes with violet-color indicator LEDs so the user knows when the UV-C Module is operating. The indicator LEDs **cannot** be turned off separately from the UV-C Module.

## Performance

The UV-C Module consumes 16.5 Watts of power. An IES file, to account for the light's shadows, angles, intensity, and other factors is available on our website, [www.modernforms.com/ultra](http://www.modernforms.com/ultra). The UV-C Module in ULTRA operates at a UV-C range (peak wavelength of 275 nanometers<sup>2</sup>) to reduce SARS-CoV-2 virus in the breathable air in the room.

<sup>1</sup> Based on tests conducted by an independent CAP and CLIA accredited lab, Innovative Bioanalysis. The effectiveness of the ULTRA will vary based upon application and surroundings, including but not limited to room dimensions and air flow.

<sup>2</sup> Test Report IEC (Photobiological safety of lamps and lamp systems), Report No. 4789851496.2-1a, WAC Lighting, Issued May 21, 2021  
[modernforms.com/ultra](http://modernforms.com/ultra)

Third-party lab testing conducted on the ULTRA, with UV-C module enabled and fan operating in the standard forward rotation at the highest speed setting, showed the SARS-CoV-2 virus was reduced by 99.99% (4 log reduction) in the breathable air space after 30 minutes of operation in a closed 8'x8'x10' test room (approximately 72°F and 48% relative humidity), where the ULTRA was mounted on a 10-inch downrod with a total suspended height of 16 inches from the ceiling.<sup>1</sup>

## UV-C Module Maintenance

The ULTRA ceiling fan does not need frequent maintenance. A dry or lightly dampened cloth will be suitable for most cleaning needs. Make sure you follow all safety rules contained in the instruction manual when cleaning. DO NOT operate the ULTRA, including the UV-C Module, while performing any maintenance, repair or replacement servicing the unit.

The UV-C Module (UVF7IN-120V-R1-MOD) has a 6,500-hour lifespan. The fan is equipped with a timer that automatically tracks how much time the UV-C Module has been used. When there are approximately 80 hours remaining in the module's life, the UV-C Module will flash when the ULTRA is turned on indicating that you should replace the UV-C Module to ensure efficacy. Track and monitor use of the UV-C Module, avoid unintended extended operation, to preserve the lifespan of the UV-C Module. See replacement module instructions at [modernforms.com](http://modernforms.com) for more information.

## Troubleshooting

Please read the back of the instruction manual, visit [modernforms.com](http://modernforms.com), or contact our Fan Support team at: 1-866-810-6615 option 1 or [fansupport@modernforms.com](mailto:fansupport@modernforms.com).

**⚠ WARNING:** Ultraviolet (UV) Radiation Hazard. The lamp in this unit produces UV light. Skin or eye damage may result from direct exposure to UV light. Avoid direct exposure to UV light. Always turn off and disconnect power before servicing the unit. See Instructions for UV Safety Rules in the instruction manual.

**⚠ WARNING:** This product should be installed by a licensed electrician. This product should be mounted to an outlet box UL-listed marked "Acceptable for fan support" of 15.9 kg (35 lbs) or less and should use mounting screws provided with the outlet box and/or support directly from building structure. Most outlet boxes commonly used for the support of luminaires are not acceptable for fan support. Consult a licensed electrician.

For further safety instructions, please refer to page 5 of the fan's instruction manual ("UV Safety Rules").

**Disclaimer:** While there may be information here or on our website relating to the effectiveness of the UV-C technology incorporated in the ULTRA in reducing SARS-CoV-2 in the breathable air, Modern Forms makes no claims that its products can cure, treat or prevent any conditions, including COVID-19 or other conditions. Always consult your healthcare provider with any health-related questions.

The ULTRA is not a substitute for good building air exchange practices or manual cleaning and disinfection practices.

<sup>1</sup> Based on tests conducted by an independent CAP and CLIA accredited lab, Innovative Bioanalysis. The effectiveness of the ULTRA will vary based upon application and surroundings, including but not limited to room dimensions and air flow.

