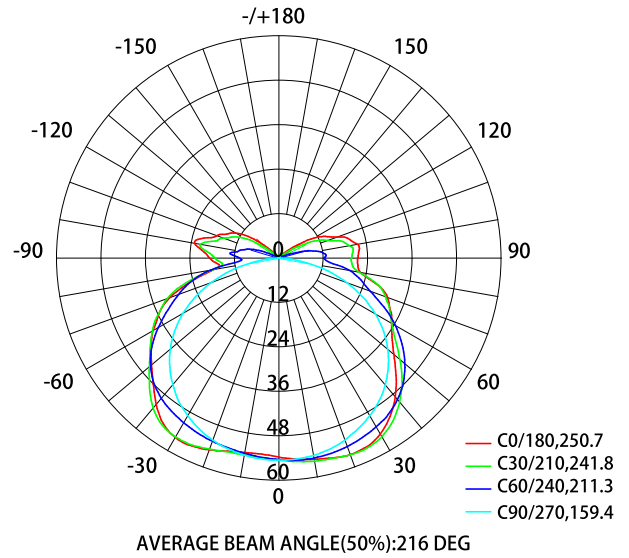


UVC Tube Light Manual

Product Features and Specifications Model

This fixture has a built-in dual protection of microwave sensor and PIR sensor, which automatically turns off the UVC lamp when motion is detected.

High strength wire guard design prevents the UVC lamp tube from being removed from the fixture. This also prevents the lamp tube from being damaged when the fixture is being installed.



AN-120-40W-24-S

Recommended Coverage Area to achieve 36,000 µJ/cm²

Run Time	30 min	60 min	90 min	120 min
Mounting Height	8.2 ft	9.8 ft	10.8 ft	11.8 ft
Disinfecting Area	162 ft ²	229 ft ²	274 ft ²	324 ft ²

Recommended Coverage Area to achieve 50,000 µJ/cm²

Run Time	30 min	60 min	90 min	120 min
Mounting Height	7.2 ft	9.2 ft	10.2 ft	10.8 ft
Disinfecting Area	125 ft ²	201 ft ²	244 ft ²	274 ft ²

Recommended Coverage Area to achieve 100,000 µJ/cm²

Run Time	30 min	60 min	90 min	120 min
Mounting Height	5.2 ft	7.2 ft	8.5 ft	9.2 ft
Disinfecting Area	71 ft ²	128 ft ²	175 ft ²	201 ft ²

AN-120-80W-48-S

Recommended Coverage Area to achieve 36,000 µJ/cm²

Run Time	30 min	60 min	90 min	120 min
Mounting Height	11.5 ft	14.4 ft	15.7 ft	16.7 ft
Disinfecting Area	341 ft ²	518 ft ²	609 ft ²	682 ft ²

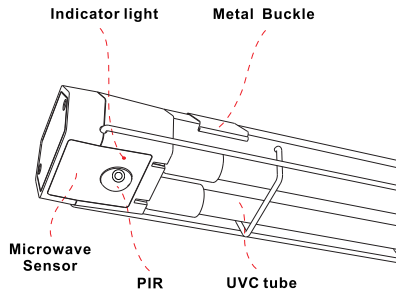
Recommended Coverage Area to achieve 50,000 µJ/cm²

Run Time	30 min	60 min	90 min	120 min
Mounting Height	10.2 ft	13.5 ft	14.8 ft	15.7 ft
Disinfecting Area	273 ft ²	455 ft ²	540 ft ²	609 ft ²

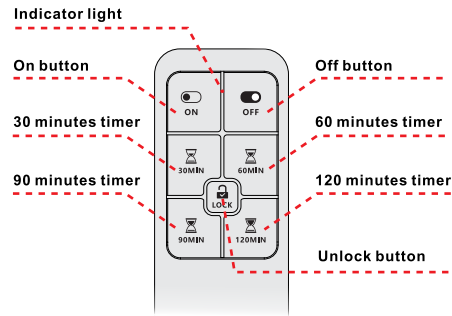
Recommended Coverage Area to achieve 100,000 µJ/cm²

Run Time	30 min	60 min	90 min	120 min
Mounting Height	7.9 ft	10.2 ft	11.8 ft	13.5 ft
Disinfecting Area	173 ft ²	273 ft ²	358 ft ²	455 ft ²

Instructions



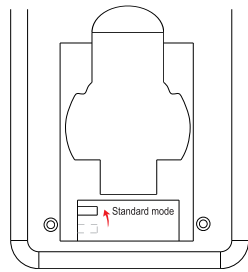
UVC Lamp



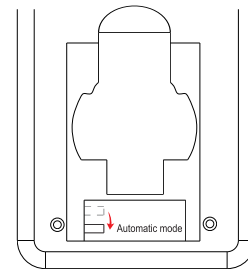
Remote Control

! IMPORTANT:
Remove lamp protective sleeve before operating product.

Remote Controller Modes: There are two modes, Standard Mode and Automatic Mode. Choose a remote controller mode before use. Mode switch is located behind the battery.



Standard Mode
(Switch Up)



Automatic Mode
(Switch Down)

- **Standard Mode:** When movement is detected the lamp will shut off, it will not turn on automatically after detecting no motion. To turn on the light you will need to press the "ON" button.
- **Automatic Mode:** When movement is detected the lamp will shut off, If there is no motion detection within 2 minutes after the initial detection, the lamp will automatically turn on and resume operation.

Operating The Product:

1. Press the "Lock" button to start. Choose the desired function. There will be a beeping count down with an 18 second delay before the light turns on.
2. All people and animals should clear the area before the 18 second count down is completed.
3. There are five different disinfection time settings (On/Off, 30min, 60min, 90min, 120min). "On" means there is no time limit.
4. If you want to cancel the current time setting press the "Off" button, the lamp will then continue to operate unless the fixture is turned off or the sensor is triggered.
5. The remote comes paired with the fixture it came with, however it can be paired with additional fixtures. See pairing instructions below.
6. To pair remote with a fixture, press the "On" button, then press and hold the 120min button until you hear a beep.

Note: Other buttons cannot function if the "Lock" button is not pressed.

Prompt Tone Description

The main unit prompts intermittent or continuous sound, and the indicator light flashes to indicate that the UVC lamp is about to turn on. This is a warning that all people and animals should leave the illuminated area as soon as possible to prevent injury from the UVC exposure.

Sensor Description

Sensor detection: 1 Microwave + 1 PIR sensor, automatically turn on once light switch is on. The light will turn off automatically when unintended entry is detected

Battery Instruction:

Before first use, please remove the tape on the battery (model: CR20232V). Then press any button. If there is a light, the remote control is ok to use.

! CAUTION

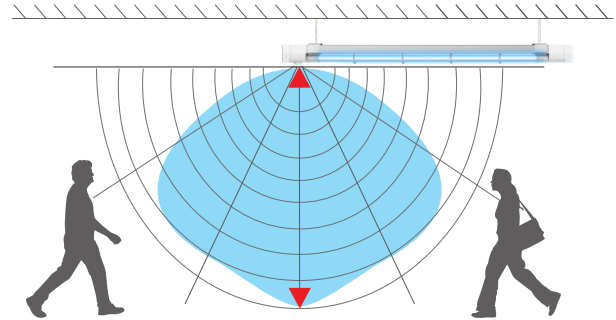
1. Press the "Lock" button before inputting any other operation on the remote.
2. After the UVC lamp is operating normally, the lamp will turn off if any motion is detected by the sensor. If there is no motion detection within 2 minutes after the initial detection, the lamp will automatically turn on and resume any timer function. The suspended time will not count towards the timer time.
3. The signal of the remote control is a non-linear wave signal, which may work through walls.

Technical Specifications

Operating temperature: $-10 \sim +35^{\circ}\text{C}$,
 Operating environment humidity: $<80\%$,
 Storage temperature: $-20 \sim +60^{\circ}\text{C}$,
 Sensor detection range: 360 degrees,
 Sensor detection distance: 0-5 meter,
 Sensor type: 1Microwave + 1 PIR sensor,
 Remote control distance: 10 meter.

Principles and Sterilization factors
 Sterilization factor: Ultraviolet 253.7nm
 The principle of sterilization: Use the C-band ultraviolet light emitted by the ultraviolet lamp to destroy the bacteria and DNA of bacteria for sterilization.

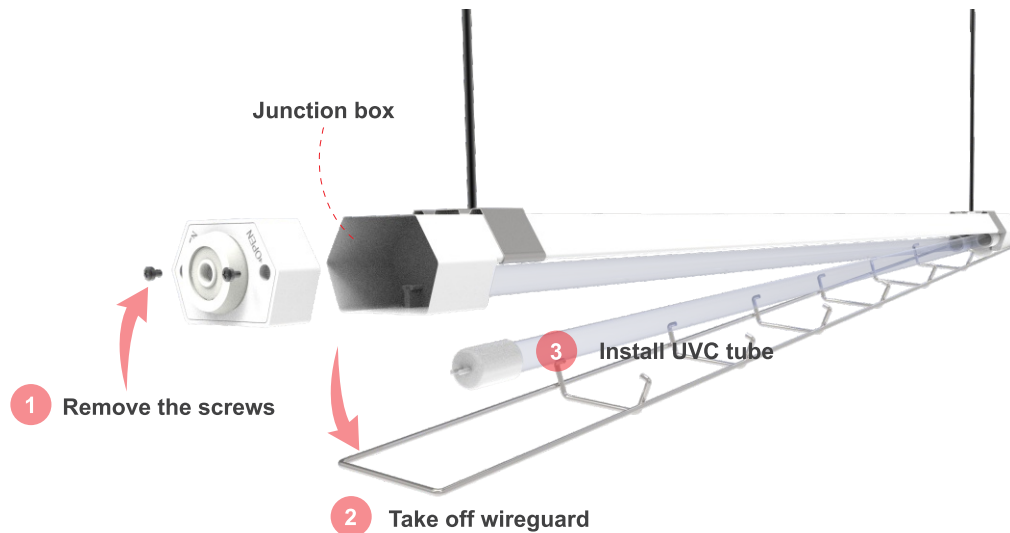
Applications:
 The product is suitable for disinfection of indoor places such as medical institutions, schools, offices, commercial places, product industry, pharmaceutical industry and household use.



Sensor detection distance:
5 meter(16.4ft)

UVC Operation Instructions For Lamp Tube Installation

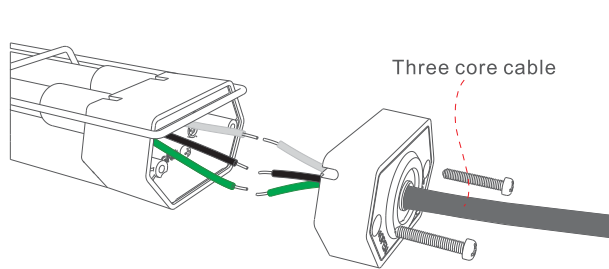
Parts functions and Parameters



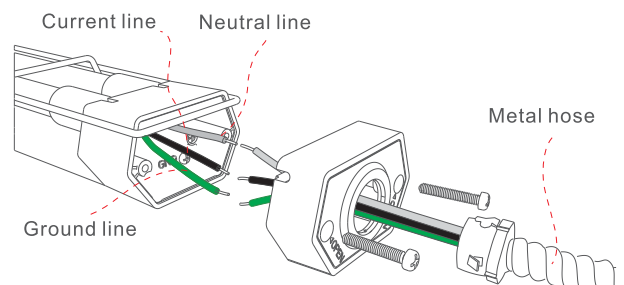
CAUTION

Please make sure the input voltage is within the range on the lamp or the fixture will not properly disinfect. Before installation, remove the protective sleeve.

Wiring Instruction

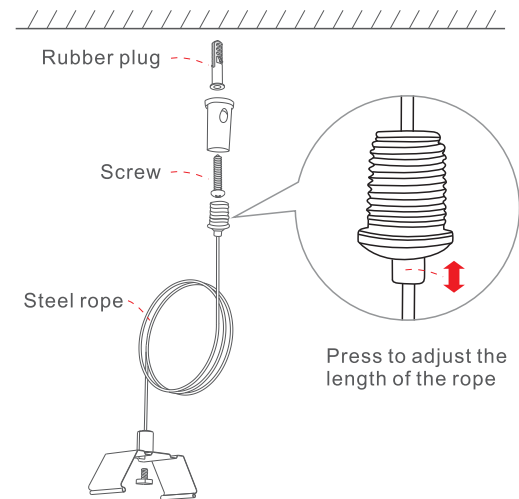
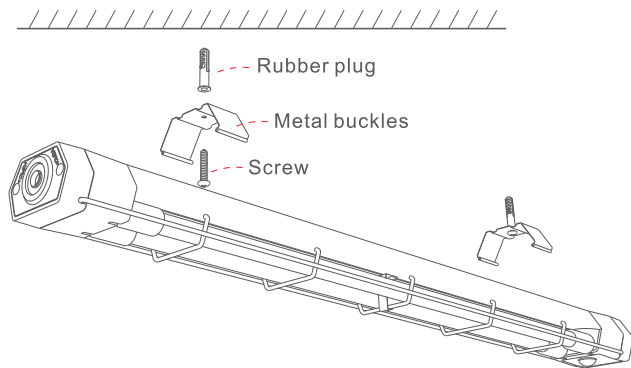


Schematic diagram of cable installation



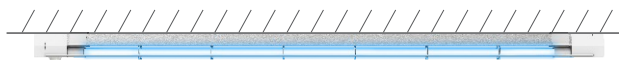
Wiring diagram of metal hose

Installation Diagram (wall mount and hanging)

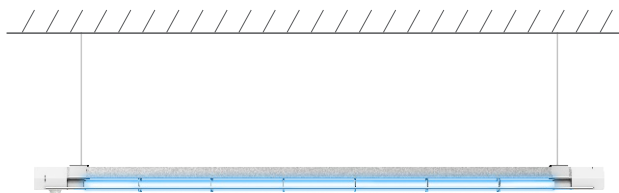


Different Installation Options

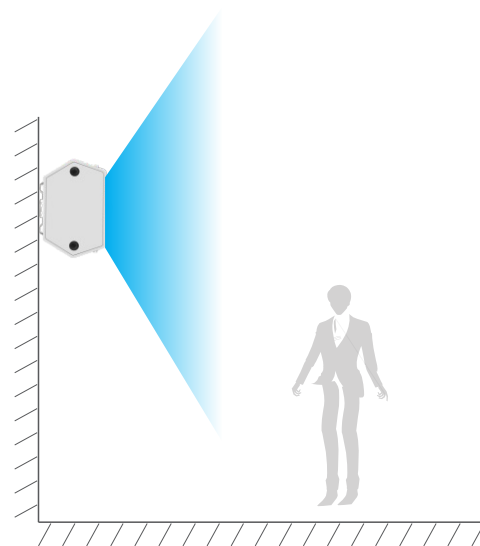
Ceiling mount



Hanging



Recommended installation height: 7.5ft to 16.4ft



Wall mount

Precautions For Use

1. Only professional maintenance is allowed, so as to not damage the precision electronic components.
2. If the ambient temperature is above 35°C (95°F) around the fixture the PIR sensing distance will be shortened. Avoid installing the fixture in an area with direct air flow such as an exhaust fan or cold/hot water outlet. The sensor cannot be blocked or covered at any time during use.
3. Please avoid placing the fixture in areas that have exposure to heavy rain as well as areas near flowing water such as a sewer pipe. These applications will affect the accuracy of the sensor on the fixture.
4. Please do not cover the sensor in any way after installation. Also please note that any vibration at the installation location will cause the fixture to turn off by triggering the sensor.
5. Keep a distance of 1 meter between each fixture. Failure to do so may result in sensor failure.
6. The wireless remote is able to work through walls and is able to power multiple fixtures at one time.

Replacements Parts

Part No.		Description
AN-RM-01		Replacement Remote Control
AN-GT5-20W		*One Replacement 20W Lamp for AN-120-40W-24-S
AN-GT5-40W		*One Replacement 40W Lamp for AN-120-80W-24-S

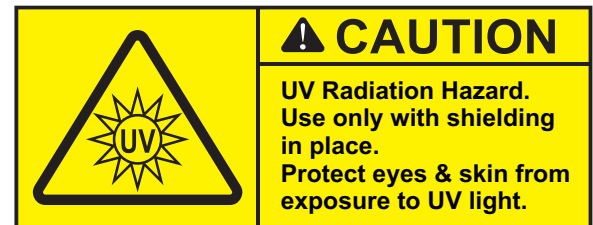
***Note:** Each UVC fixture uses two UVC lamps

Troubleshooting

No.	Failure analysis	Solution
1	No beep (the indicator light is off)	1. Confirm whether it connects to the main power. 2. Confirm whether the remote control has a battery and whether the positive and negative batteries are installed correctly.
2	No beep (the indicator light is on)	Contact customer service for repair
3	Prompt sound (the indicator light does not turn on)	Contact customer service for repair
4	Remote does not work	Confirm whether the fixture is powered on. If powered on press the "Lock" button first, then press other function on remote. If there is now response from the fixture, please replace the batteries in the remote.
5	UVC lamp can not turn on	Confirm whether the lamp is powered on. If the lamp is powered on, confirm the remote control is operating correctly or try to replace another new tube to confirm whether the tube is dead. If it still doesn't work then return to repair.
6	UVC Light from a neighboring UV fixture may trigger the sensor to turn the light off.	Check the section "Precautions for Use" in this manual. If you have verified that none of the conditions outlined in the Precautions list apply, please contact sales@annia-lite.com for instructions on how return the fixture for failure diagnoses and replacement.

WARNING:

1. UVC is harmful to all living organisms, including humans, animals and plants. Protect eyes and skin from exposure to UVC light and immediately vacate the area when the UVC product is turned on and the beeping begins.
2. In severe cases, headache, dizziness, increased body temperature, eye irritation or decreased vision, skin irritation, itching, swelling, etc. please consult your doctor immediately.



Remote Control Pairing

1. Power the fixture which you want to pair.
2. Press the button "On/Off", then release, then press and hold the button "120min" immediately, when you hear the beep, the pair is successful.

Additional Notes:

1. The product cannot be used for lighting purposes.
2. The product can only be used for sterilization of the object surface and air, can not be used for sterilization of the surface of the human body. During the use of the product, the surface of the UV sterilization lamp should be kept clean. if there is dust or oil on the lamp surface, please wipe it in a timely manner. It is recommended to wipe it with a damp cloth and then dry it. never rinse it with water.
3. when you use the product for indoor air sterilization, please close the doors and windows to keep the room clean and dry, and reduce dust and moisture. If the room temperature is lower than -10°C or higher than 35 °C, it is not recommended for use. Please open the doors and windows for 10 minutes after sterilization.
4. The closer to the lamp, the better the sterilization effect. The best sterilization location is near the lamp tube. if there are paintings, plants, utensils, and other ultraviolet sensitive items in the room, they should be covered.
5. After sterilization, please put away the product and the remote control to avoid accidentally turning the light on and accidental injury.
6. If the UV sterilization lamp is accidentally broken, it should be ventilated quickly, wearing gloves or clean up with mercury vacuum cleaner or with other suitable means that avoids generating dust and mercury vapor. Do not use a standard vacuum cleaner.
7. After handling broken lamps, remove protective clothing and thoroughly wash hands before eating, smoking, or using the toilet facilities.

Warranty

Within 1 year after the purchase date, you can get free warranty service if the defect is caused by the manufacturing process, technology or components. The free service cannot be obtained under the following circumstances.

1. Beyond the effective service or free maintenance period.
2. Man-made damage caused by improper use. For example, improper installation, use not in accordance with the instructions, damage caused by incorrect use, etc. Damage caused by transportation or other accidents caused by force majeure (such as natural disaster, abnormal voltage, etc.).
3. The normal product aging, wearing, etc., which does not affect the normal use of the product.
4. Other non-product design, technology, manufacturing, quality and other problems causing failures and damage.