

# WALL MOUNT COMMERCIAL UVC LIGHT INSTRUCTION

MODEL# 42UVX202W



## IMPORTANT:

READ CAREFULLY BEFORE OPERATING THIS FIXTURE. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE. THIS FIXTURE MUST BE WIRED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES. PROPER GROUNDING IS REQUIRED FOR SAFETY. WE STRONGLY ENCOURAGE ONLY A LICENSED ELECTRICIAN INSTALL, OPERATE AND MAINTAIN THIS PRODUCT. IF YOU ARE NOT QUALIFIED OR UNFAMILIAR WITH ANY ASPECT OF THIS INSTRUCTION SHEET, CONSULT AN ELECTRICIAN. THERE ARE NO SERVICEABLE PARTS INSIDE.



## WARNING:

**RISK OF FIRE AND ELECTRIC SHOCK**-DISCONNECT POWER AT BREAKER BEFORE WIRING OR SERVICING.

**RISK OF PERSONAL INJURY**-FIXTURE MAY BECOME UNSTABLE OR DAMAGED IF NOT INSTALLED PROPERLY.

**RISK OF BURN**-ALLOW FIXTURE TO COOL BEFORE SERVICING.

ULTRAVIOLET LIGHT IS HARMFUL TO EYES AND SKIN. **DO NOT** STARE DIRECTLY INTO THE ULTRAVIOLET BEAM OR DISINFECTION WITHOUT WEARING PROTECTIVE GEAR TO PROTECT EYES FROM LONG TERM DAMAGE.

**DO NOT** TOUCH BULB WITH BARE HANDS. THE OILS IN YOUR SKIN WILL DAMAGE THE LAMP. FINGERPRINTS WILL RESULT IN REDUCED PERFORMANCE AND SIGNIFICANTLY REDUCE

THE LIFESPAN OF THE LAMP UNLESS REMOVED WITH ALCOHOL. BE SURE FIXTURE IS DISCONNECTED FROM POWER SOURCE AND COOLED OFF BEFORE

## OPERATION SAFETY

- 1, People and animals are forbidden from being exposed to the light output of this light for extended periods of time. Long term exposure will cause damage to the eyes and skin.
- 2, This product produced UV radiation. Anything in front of the unit will be exposed to UV radiation. Operators positioning the light while not illuminated will not be exposed. Radiation is only emitted while the light is turned on. Radiation will not linger in the environment when the lamps have been powered off. Safety equipment is only required when the device is in-use.
- 3, Wear eye protective gear when operation the equipment. Polycarbonate safety glasses at minimum are required during all operations. Full frontal polycarbonate or UV-preventative face masks are recommended.
- 4, Wear long sleeves and gloves when operating the equipment. Personal protective gear is required for long term exposure.
- 5, Make it a policy to never enter areas being disinfected with UV lighting without powering off the light first. Seek local medical treatment if severe damaged caused.

## DISINFECTION AREA AND TIME

- 1, Suitable for less than 400sq ft space disinfection per fixture.
- 2, For best results, setup the fixture in the middle of the area to be sanitized on a flat surface and set the sterilization time according to below table.
- 3, For surface disinfection, put the item close to the fixture within 1 meter distance, set the sterilization time to 15 minutes.

SPACE	WATTAGE	STERILIZATION TIME
100 sq ft	42W	<15 min
200 sq ft	42W	30 min
400 sq ft	42W	60 min

## BULB REPLACEMENT



## CAUTION:

Be careful during the replacement and maintainance. DO NOT touch bulb with bare hands. Allow fixture to cool before servicing.

- 1, Release the bulb from the clip on the top.
- 2, Lift the bulb from the socket.
- 3, Replace the bulb with one of the same type and rating.
- 4, Insert the bulb into the socket.
- 5, Press the bulb into the clip on the top.

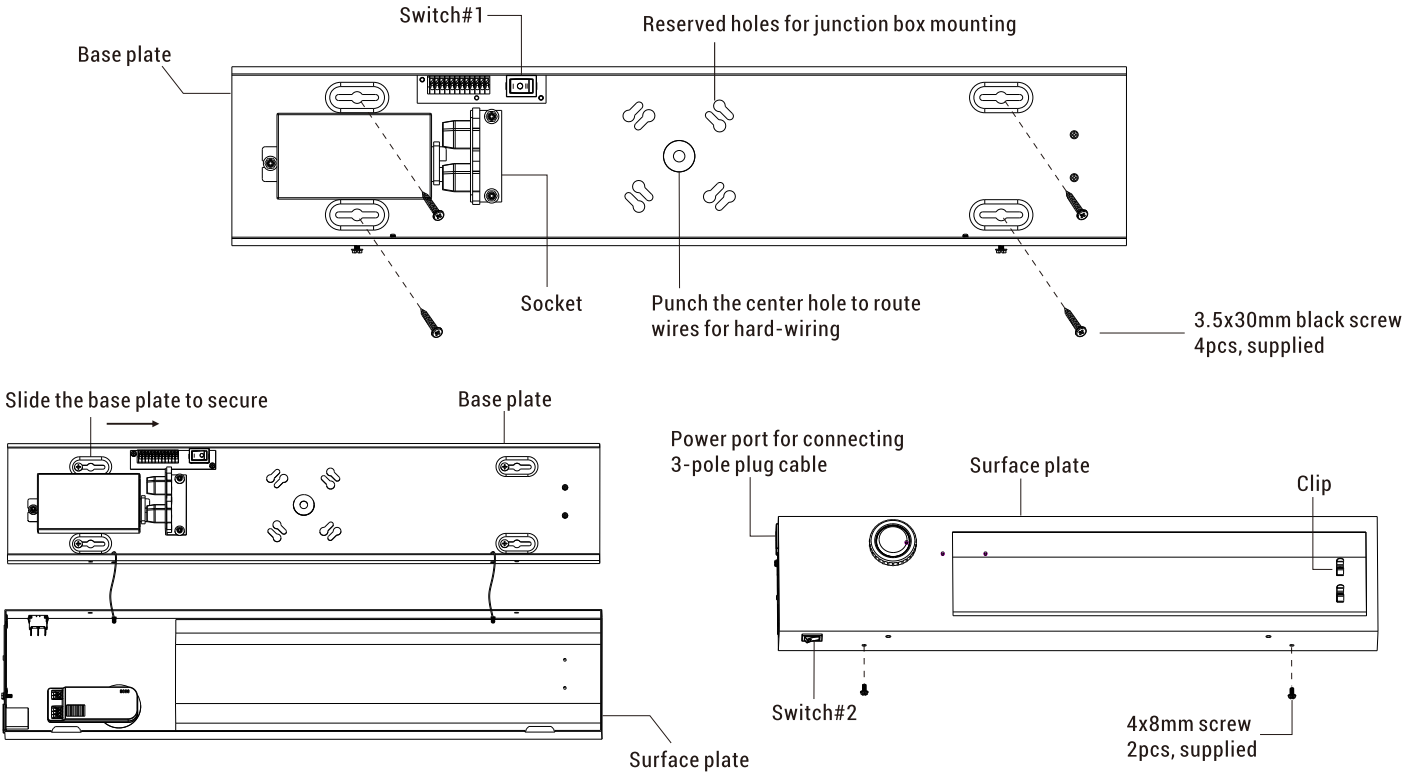


## IMPORTANT:

Unauthorized modification may impair the function and/or safety of this device and could affect the life of the equipment. Always check for damaged or worn out parts before using the device. Store it in a secure place out of the reach of children when not in use. Inspect for good working condition prior to storage and before re-use.

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## INSTALLATION STEPS:

STEP 1. Mark desired mounting positions, drill 4 screws with a screw driver.

STEP 2. Put base plate through 4 screws and slide it to right or left until it secured.

STEP3. Cover the surface plate to base plate and secure it with 2 screws.

STEP4. Insert 2pcs UVC tube into the socket, then press the head of the tube into clips.

## WIRING

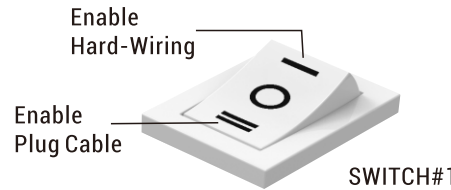


## WARNING:

**RISK OF FIRE AND ELECTRIC SHOCK**-DISCONNECT POWER AT BREAKER BEFORE WIRING OR SERVICING. CHECK PRODUCT LABEL FOR CORRECT INPUT VOLTAGE.

This fixture can either hard-wiring into a junction or powered with the supplied 8ft long 3-pole plug cable. If choose hard-wiring, see wiring diagram for hard-waring to the right. If choose plug cable, just insert the cable into the power port located in the left side of the fixture.

**IMPORTANT:** Switch#1 must switch to "—" if choose hard-wiring. Default setting for switch#1 is "=".



## OPERATION

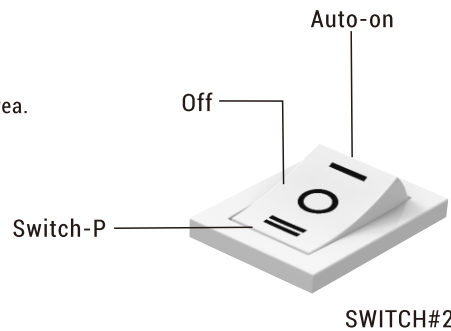
Once installation and wiring finished, choose the operation mode with the switch#2 on the bottom of fixture.

**Off:** Factory default setting, Manually turn off the light.

**Auto-on:**Enable the PIR motion sensor that will automatically shut the light off when motion detected in the area.

See specified instruction in next page.

**Switch-P (optional):**Enable to control additional control devices that connected to this light to achieve more function like setting schedules. See specified wiring diagram in next page.



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## How PIR Motion Sensor works?

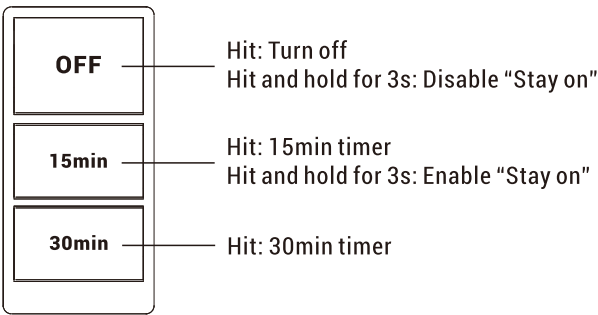
- 1, Motion detected, light be turned off, buzzer on.
- 2, No motion detected, light be turned on, buzzer off.
- 3, The timer will be interrupted by the shut off and keep counting after motion stops and goes undetected.

## IMPORTANT INFORMATION:

- 1, PIR motion sensor commissioning distance 20ft.
- 2, PIR motion sensor coverage 180 degree.
- 3, 20ft apart for each fixture to avoid signal interference.
- 4, Default timing 30 minutes.

## How Remote Controller works?

- 1, Powered by 1 piece Cr2032 battery.
- 2, 33ft control distance.
- 3, Can go through wooden door/wall, window, can not go through cement or metal or heavy sheet glasses.
- 4, **“Stay on”** : No timer setting. The light stays on unless be turned off by the switch, or remote controller, or occupancy.
- 5, If fixture is turned off by remote controller, hit any other button to trigger it back to Auto-on mode. For example, hit **15min** button, fixture will auto on when no motion detected and also setup 15 minutes timer.



## How to connect another control device to this fixture?

**⚠ WARNING:**  
**RISK OF FIRE AND ELECTRIC SHOCK-DISCONNECT POWER AT BREAKER BEFORE WIRING.**

- 1, Loose the screw on the knock-out plate.
- 2, Punch the knock-out and fix the control device with a locker nut.
- 3, Connect the wires according to the diagram at right.
- 4, Re-install the knock-out plate.
- 5, Switch to “Switch-P” mode to enable all control devices working.

