QUANTUM-UV ™

Advanced Ceiling Mounted, Recessed, UVC Air Sanitizer and *Variable LED Room Light*

Bad Air Intake →

LED Room Light →

← **Clean Air Output**

Only $395

12TH ANNIVERSARY
12 Years of Sales & Service
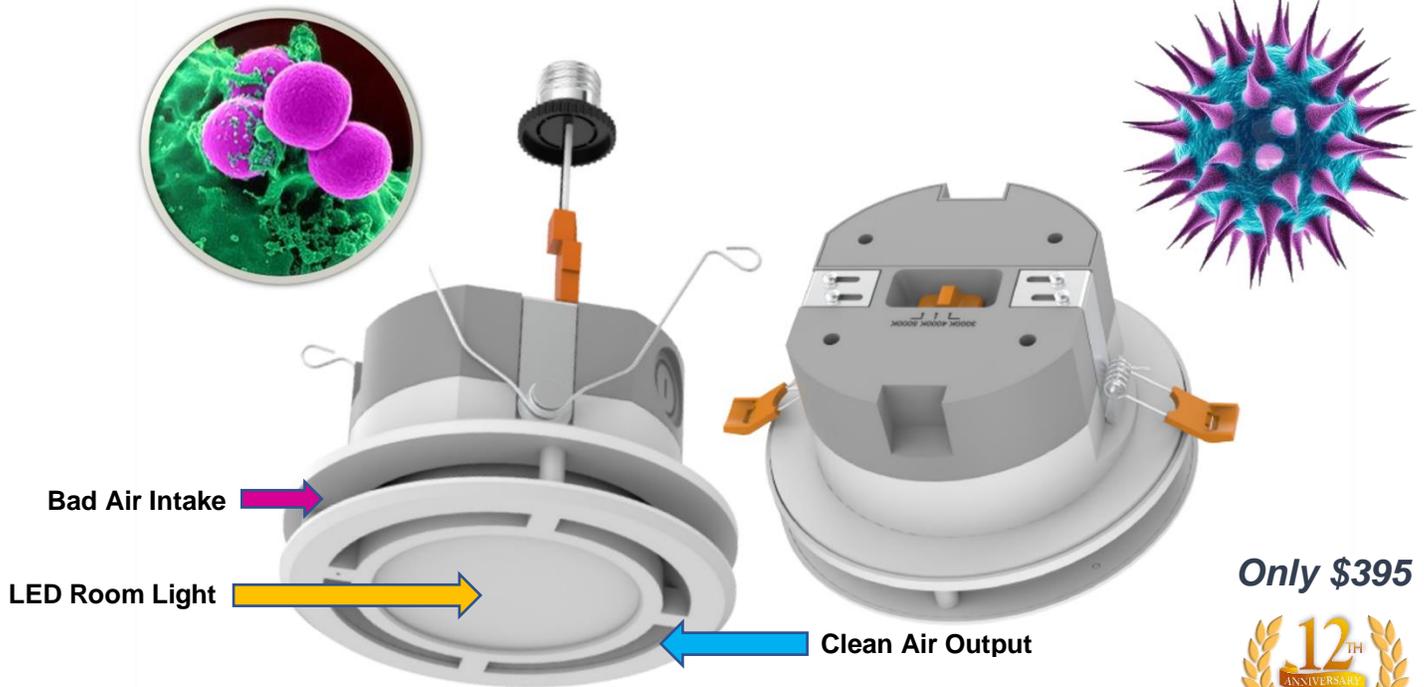
* Rooms can be safely occupied when UVC Air Sanitizer is ON.
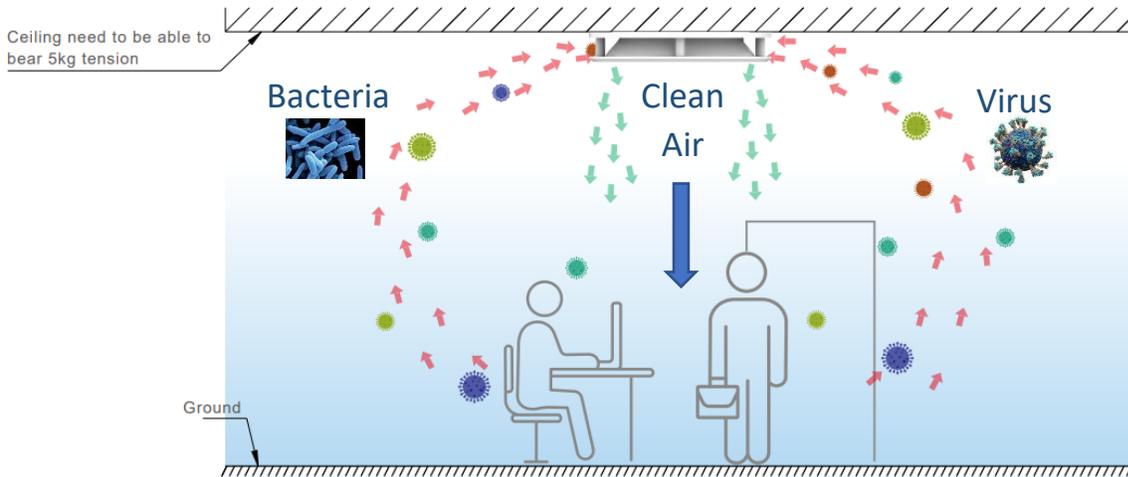** Install retrofit model yourself in minutes. (shown above)*

QUANTUM-UV ™
Recessed UVC Air Sanitizer

FINALLY!!

- UVC Room Air Sanitizer
- Variable LED Room Light
- Rooms Can Be Safely Occupied

Call to order or request a quote

MRSA-UV ™
Mobile Room Sanitizing Agency
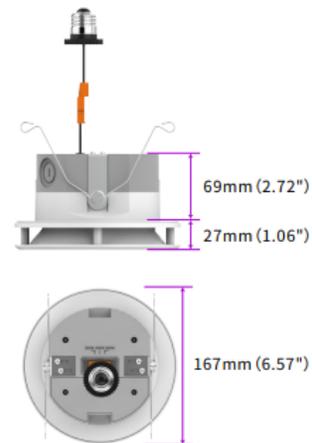MRSA UV
561-531-9398

Purification principle

Through the centrifugal fan inside the device,the indoor air convection effect will be quickly formed.Then the bacteria and viruses floating in the air will be sucked into the ultraviolet lamps cavity to get killed by UV light.
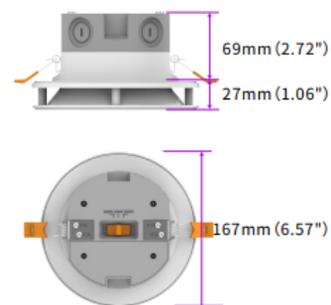
Ceiling need to be able to bear 5kg tension

Bacteria

Clean Air

Virus

Ground

Product parameters

Quantum-UV-01

Quantum-UV-02

The parameters of the whole lamp		
Model No.	Quantum-UV-01	Quantum-UV-02
Product power	18W±2W	18W±2W
Input voltage	100-277V AC	100-277V AC
Circulating air volume	8.1CFM（13.8m³/h）	8.1CFM（13.8m³/h）
Noise（Distance at 1m）	38dB	38dB
Applicable volume	15.6m³	15.6m³
Applicable area	6m²	6m²
Working temperature	-10℃~+40℃	-10℃~+40℃
Storage temperature	-20℃~+70℃	-20℃~+70℃
Hole size	5"/ 6" J-BOX	5"/ 6"
Product size	Ø167mm*96mm	Ø167mm*96mm
Installation method	Replacement	New Recessed
Warranty	2 Years	2 Years
UVC parameters		
UVC power	6W	6W
UVC source type	0.6W UVC-LED 3939	0.6W UVC-LED 3939
Led chip QTY	8Pcs	8Pcs
LED lifespan	10000 hours UVC retention rate≥70%	10000 hours UVC retention rate≥70%
UVC wavelength	275nm	275nm
UVC radiant power	160mw	160mw
UVC light angle	30°	30°
LED white lighting parameter		
LED white light power	9W	9W
LED white chip type	2835	2835
Luminous flux	850Lm±10%	850Lm±10%
Adjustable CCT	3000K/4000K/5000K	3000K/4000K/5000K
CRI	≥80Ra	≥80Ra
PF	≥0.88	≥0.88

69mm (2.72")
27mm (1.06")
167mm (6.57")

69mm (2.72")
27mm (1.06")
167mm (6.57")

UL CERTIFIED CE FC RoHS FDA EPA

Product features

01 **No UV leakage,it is totally safe for the occupied space:**

The built-in ultraviolet light effectively removed viruses and bacteria. When the air disinfection downlight is turned on, the ultraviolet light is completely enclosed inside the product (in compliance with the IEC62471 RG0 standard), realizing the coexistence of human and machine.

UVC-LED ——— UV exposure to enclosed areas
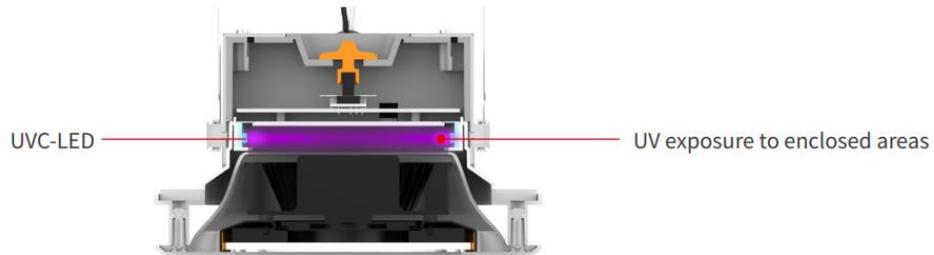
02 **Centrifugal fan design to improve disinfection efficiency:**

High-quality industrial centrifugal fans with a lifespan of 70,000 hours are selected. Through the fan's active air convection, side air inlet and down air outlet, speed up the air circulation and improved the disinfection efficiency for per unit.

Based on 10m³ lab testing:

| Bacteria	Spatial scope	Killing time	Killing rate
staphylococcus albus	10m³	3h	>99.9%

Note: This data comes from a third-party laboratory, the data is for reference only.

Recommended application, purification volume & time:

Category	Spatial scope	ecommended purification time
Applicable volume	15.6m³	>3h
Applicable area	6m²	>3h

Note: Based on wall mounting installation in enclosed space,for detailed specs,please refer to the exact application; It is recommend to keep this device on always to purify the air.

Clean Air
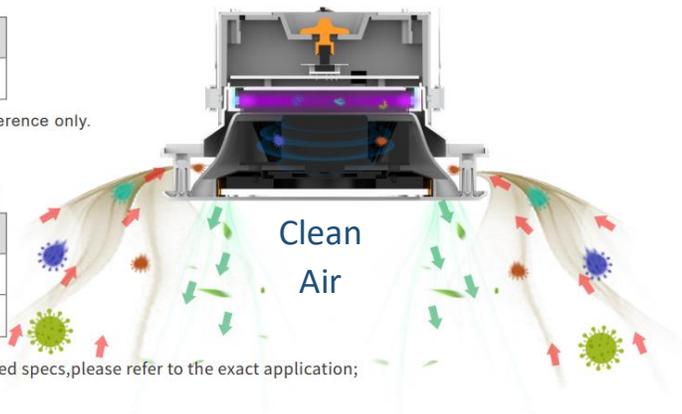
03 **Newest UV LED applicated, longer lifespan:**

Built-in 8 long-life UV LED chips on 2 sides, 10,000 hours of UV maintenance rate ≥ 70%, not easy to break, environmentally friendly and mercury-free.

UVC-LED 275nm
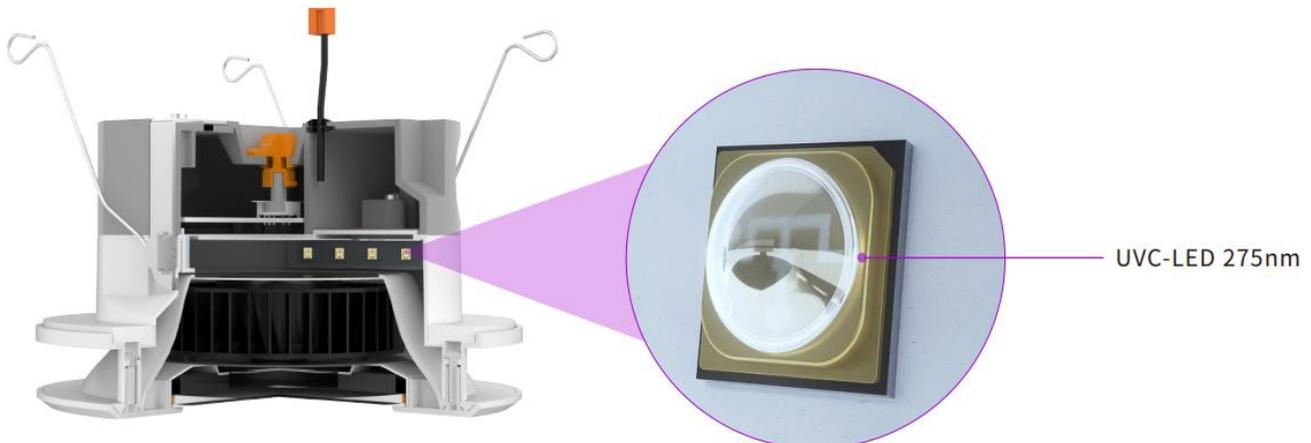
Product features

04 LED lighting + UV disinfection mode switchable:

Equipped with LED lighting system, disinfection lighting can be operated at the same time. After powering on, enter mode 1, turn off the power and turn on the light within 1 second to enter mode 2, turn off the power again and turn on the light within 1 second to enter mode 3, restart after power off for 4 seconds, and re-enter mode 1.

UV working indicator
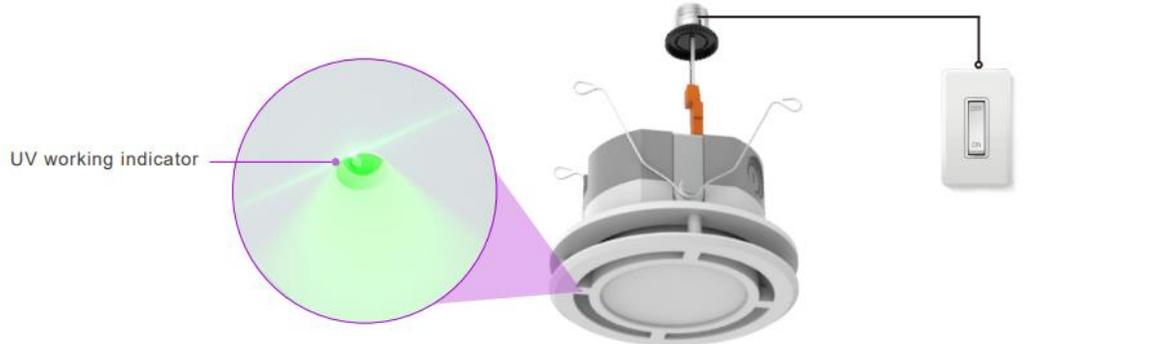
- Mode 1 (on) -
 LED lighting + UV disinfection
  (the indicator light is on)

- Mode 2 (on-off-on) -
  LED lighting
  (indicator light off)

- Mode 3 (on-off-on-off-on)-
  UV disinfection
  (the indicator light is on)

Note: The indicator light works simultaneously with the UV function, and the indicator light is also turned off when

05 CCT change

You can choose the color temperature according to your own interest or the environment.

Temperature regulating switch
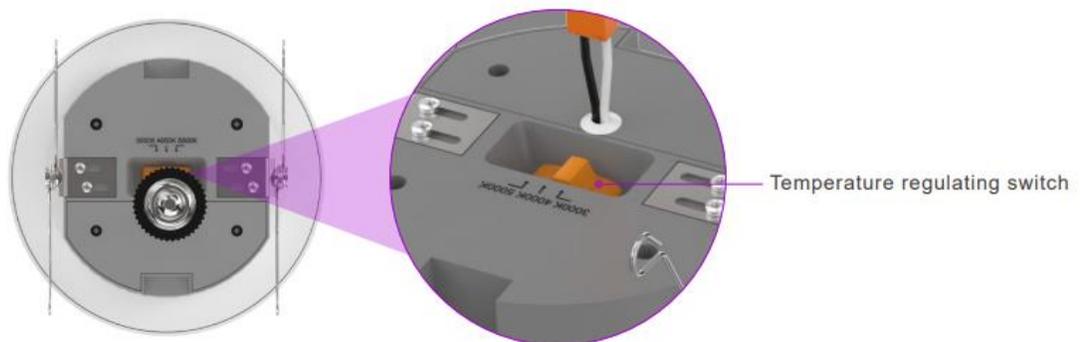
3000k warm yellow | 4000k warm white | 5000k neutral white

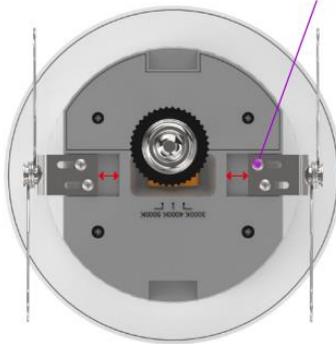# Installation method

Quantum-UV-01 Retrofit Installation
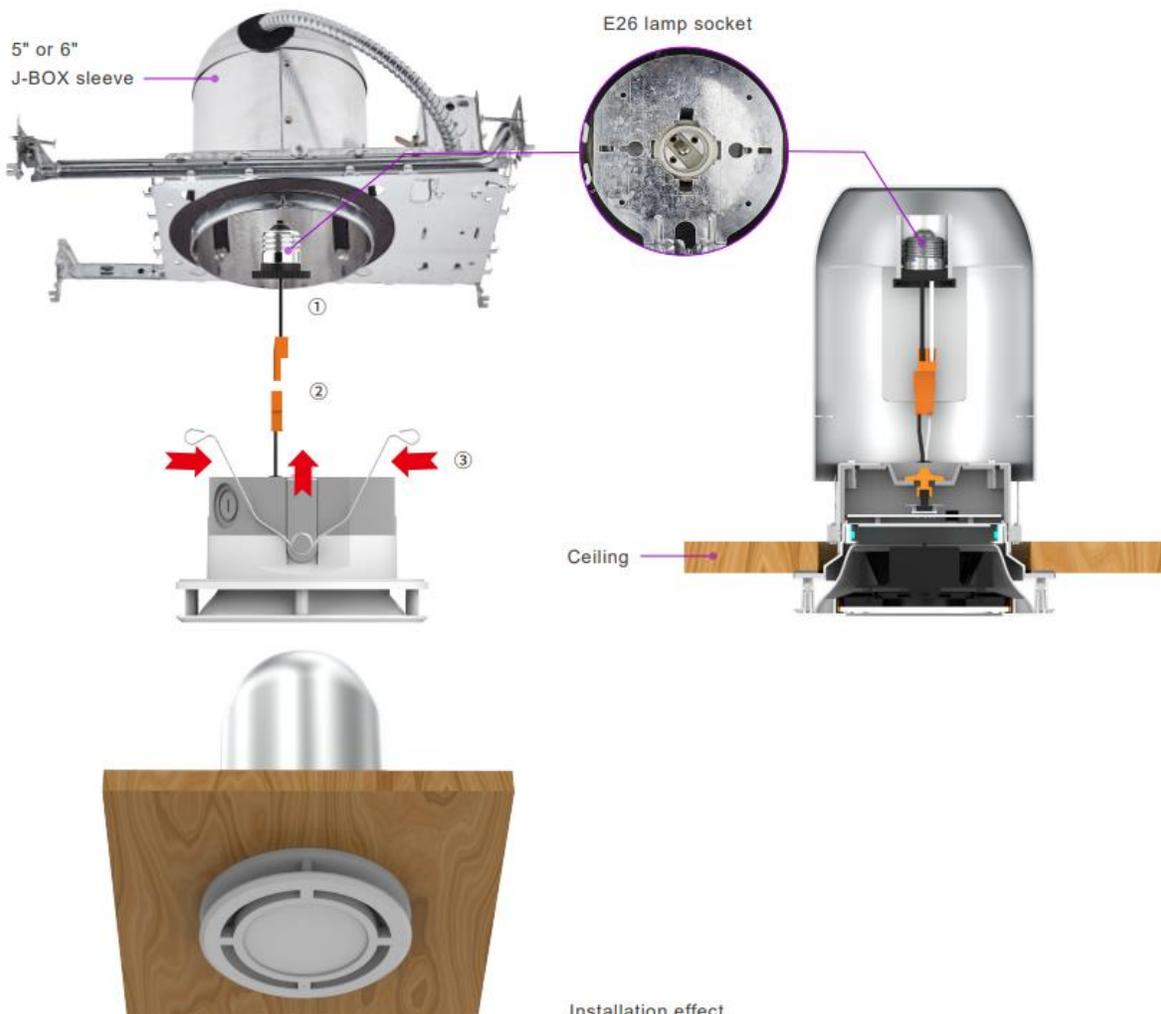
The location of 5" J-BOX mounting tabs

The location of 6" J-BOX mounting tabs

E26 lamp head

Accessory bag with screws included

Replacement mounting tabs

The effect drawing of the 5" mounting tabs which are locked tightly with the screws

The effect drawing of the 6" mountain tabs which are locked tightly with the screws

5" or 6" J-BOX sleeve

E26 lamp socket

①

②

③

Ceiling

Installation effect

Installation steps: ① Screw the E26 lamp holder of the accessory package into the corresponding socket;
② Connect the terminal block on the E26 lamp holder with the terminal block on the main frame;
③ Clip the spring in the main frame into the J-BOX installation point and push it upward.

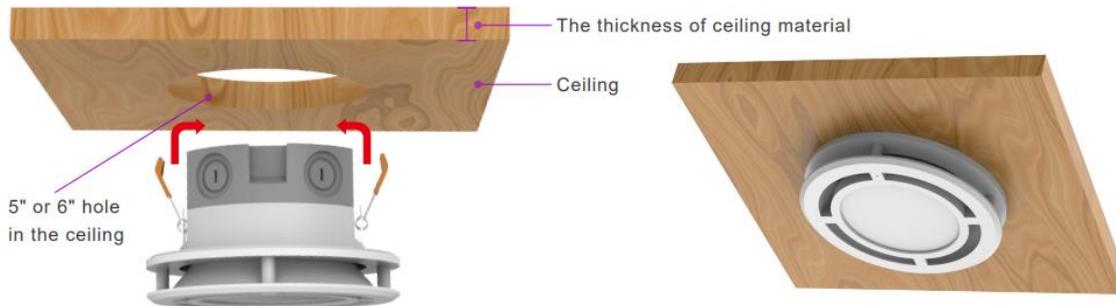## Installation method

Quantum-UV-02 Embedded Installation

The size of the ceiling hole demand		
The type of the ceiling hole	The size of the ceiling Hole	The thickness of ceiling material
5"	135mm~145mm	9mm~18mm
6"	150mm~155mm	12mm~18mm
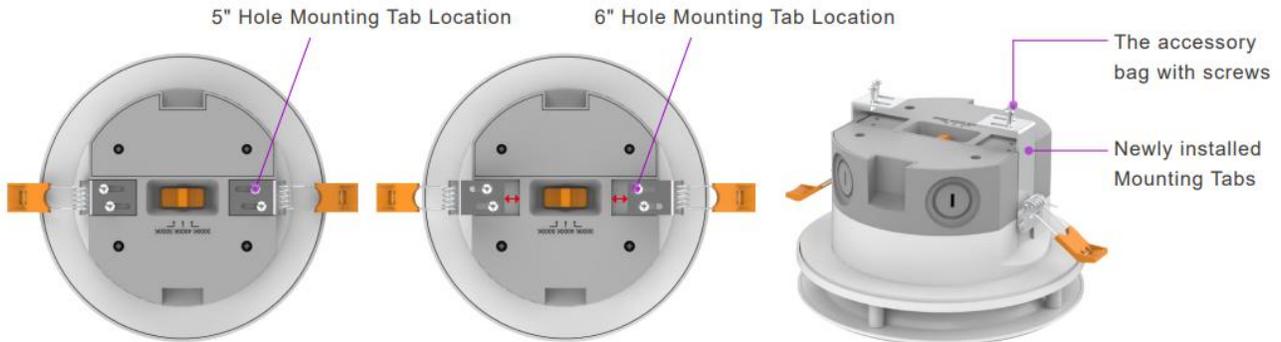
5" Hole Mounting Tab Location

6" Hole Mounting Tab Location

The accessory bag with screws

Newly installed Mounting Tabs

The effect drawing of the 5" mounting tabs which are locked tightly with the screws

The effect drawing of the 6" mountain tabs which are locked tightly with the screws

Installation step①: Use a tool to fix the embedded mounting tabs in the accessory bag on the main frame, and adjust the distance between the two mounting tabs according to the 5-inch or 6-inch hole in the ceiling.

The thickness of ceiling material

Ceiling

5" or 6" hole in the ceiling

Installation step:②Press the two sides of the shrapnel with your hands, press the middle to align the installation hole, and push it into the ceiling. The lamp is positioned on the ceiling by the elastic force of the installation shrapnel.

Applications

Hospital

Office

Shopping mall
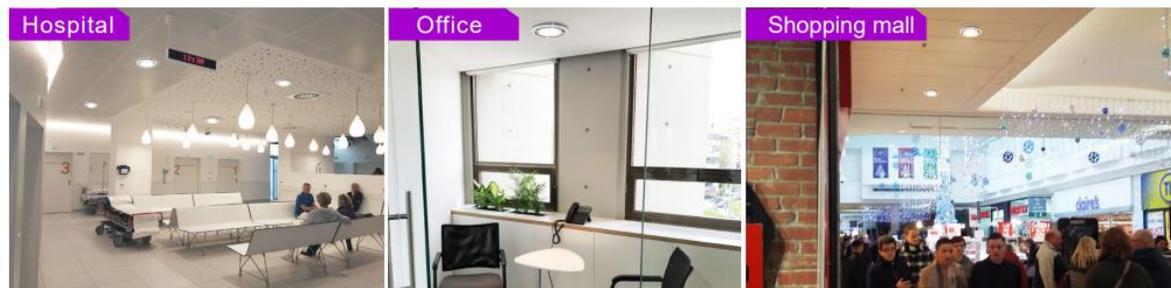
Application : Most indoor places like Office, Food shop, Hotel, Hospital, School, Bank, Toilet, etc.
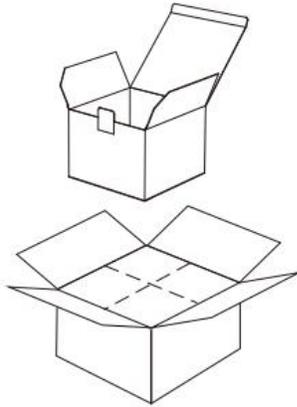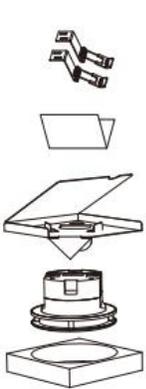
Packing

| Model No.	N.W per lamp (lbs=kgx2.2)	G.W per lamp (lbs=kgx2.2)	G.W per carton (lbs=kgx2.2)	Inner box size (x0.0393=inch)	Outer box size (x0.0393=inch)	Quantity per carton
Quantum-UV-01	0.6kg	0.84kg	8.3kg	193*193*140mm	400*400*300mm	8pcs/Carton
Quantum-UV-02	0.6kg	0.84kg	8.3kg	193*193*140mm	400*400*300mm	8pcs/Carton

Quantum-UV-01   Quantum-UV-02

S/N	Name	Qty
1	UVC Device	1
2	Installation Accessories	1
3	User's Manual	1
4	Giftbox	1
5	Master Carton	1

Retrofit Existing Lighting Cans or Recess Where You Wish!

The thickness of ceiling material

Ceiling

5" or 6" hole in the ceiling

Retrofit Existing Recessed Lights
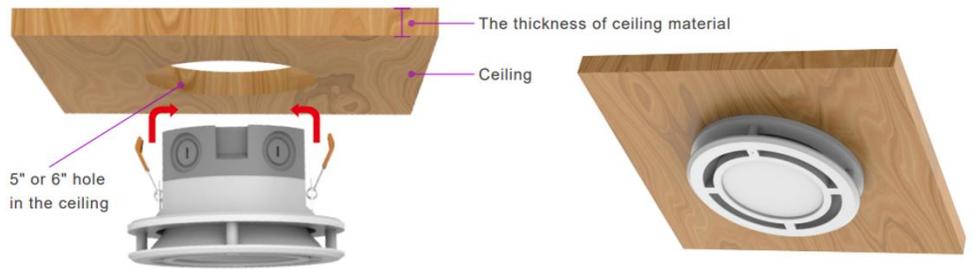
Recess Lights Wherever You Like

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UV

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