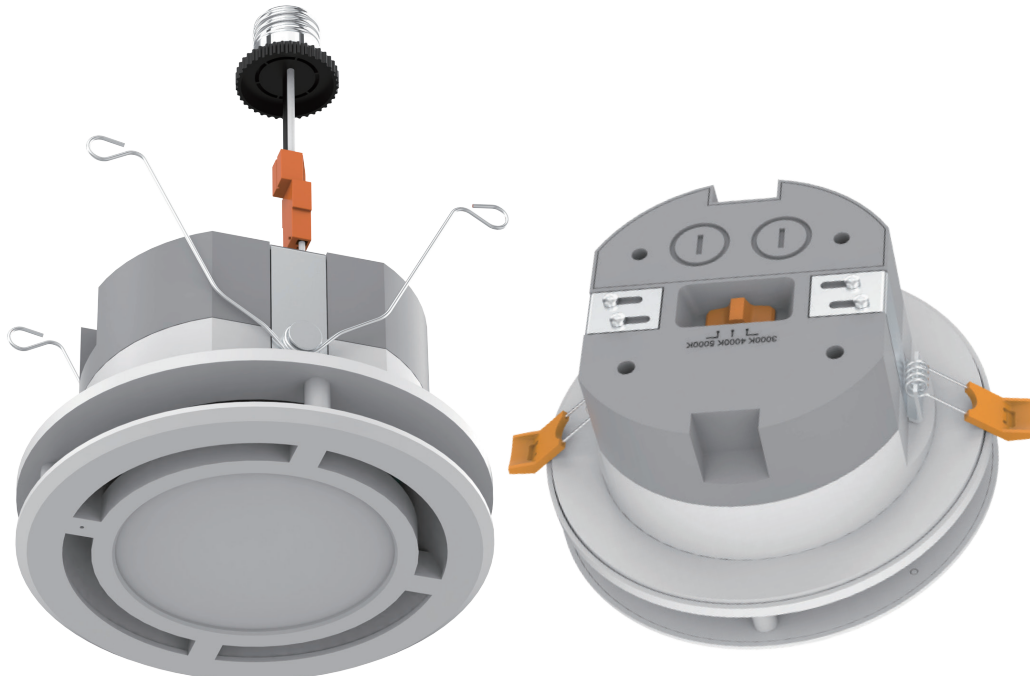


Downpuri UV58-01/02
UVC downlight

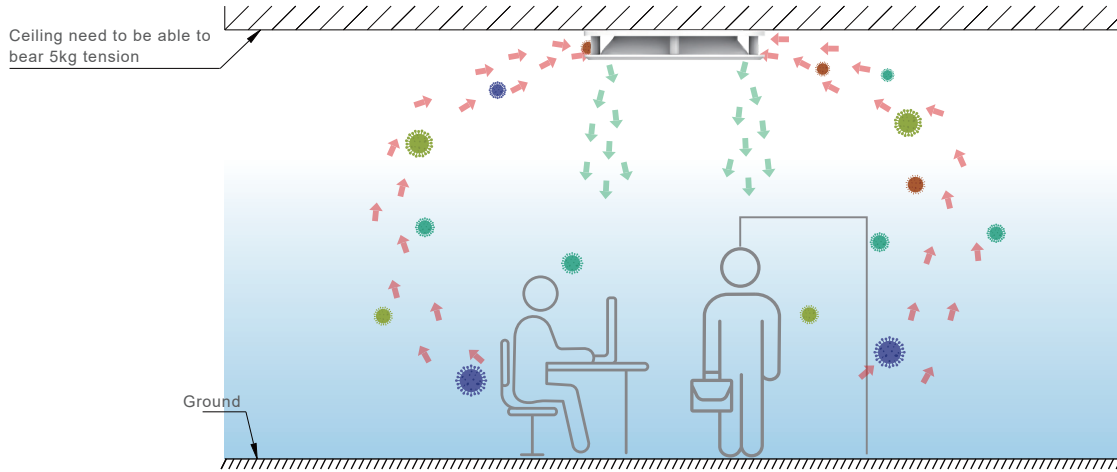


ValueEngineeredLighting
ARCHITECTURAL LIGHTING PRODUCTS



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.



Product parameters

The parameters of the whole lamp

Model No.	UV58-18W-0	UV58-18W-0
Product power	1 18W±2W	2 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)	34.96dB	34.96dB
Applicable volume	15.6m³	15.6m³
Applicable area	6m²	6m²
Working temperature	-10°C~+40°C	-10°C~+40°C
Storage temperature	-20°C~+70°C	-20°C~+70°C
Hole size	5"/ 6" J-BOX	5"/ 6"
Product size	Ø167mm*96mm	Ø167mm*96mm
Installation method	Replacement	New Recessed
Warranty	2 Years	2 Years

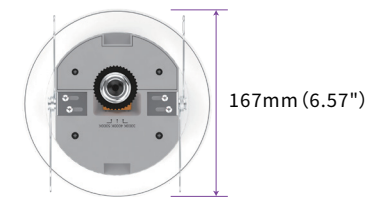
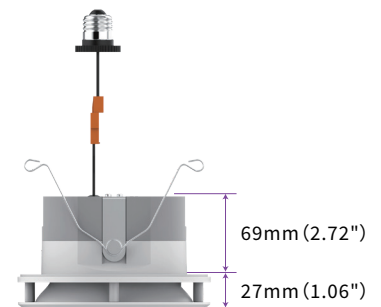
UVC system parameter

UVC system power	8W(UVC LED+Fan)	8W(UVC LED+Fan)
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°

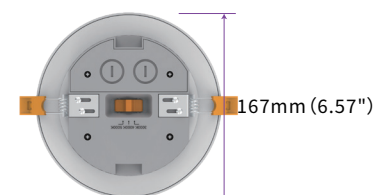
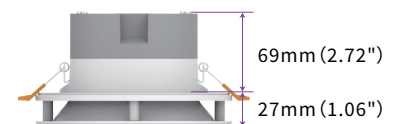
LED white lighting parameter

LED white light power	10W	10W
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

UV58-18W-01



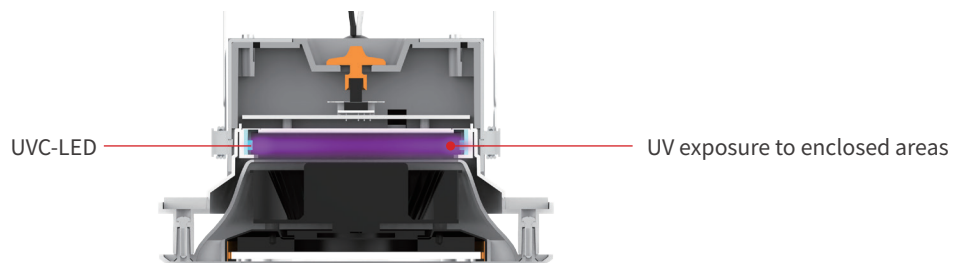
UV58-18W-02



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.



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:

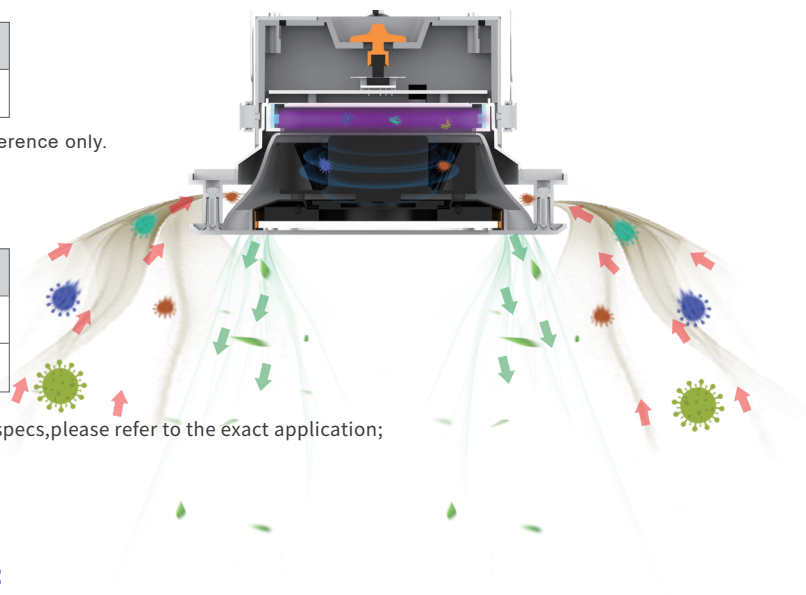
Bacteria	Spatial scope	Killing time	Killing rate
staphylococcus albus	10m ³	3h	>99.9%

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

Recommended application, purification volume & time:

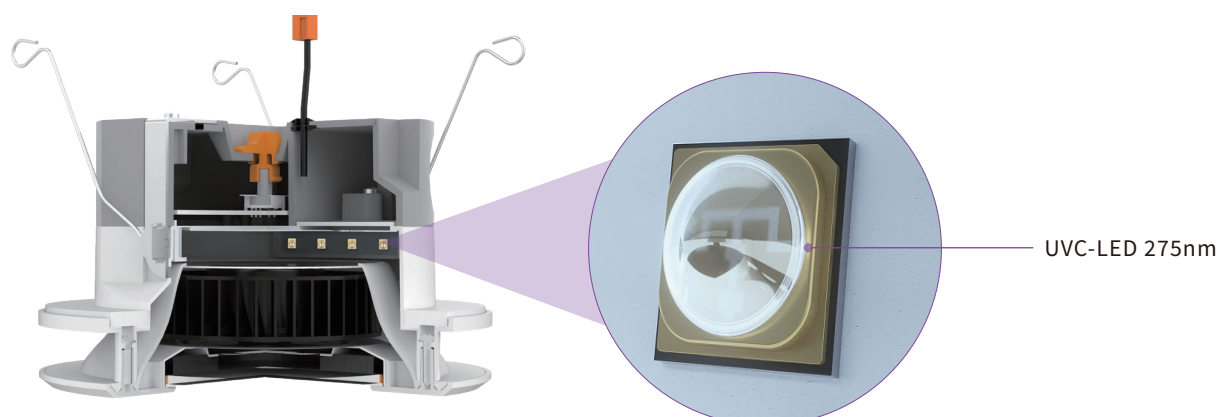
Category	Spatial scope	Recommended purification time
Applicable volume	15.6m ³	>3h
Applicable area	6m ²	>3h

Note: Based on embedded 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.



03 Newest UV LED applied, longer lifespan:

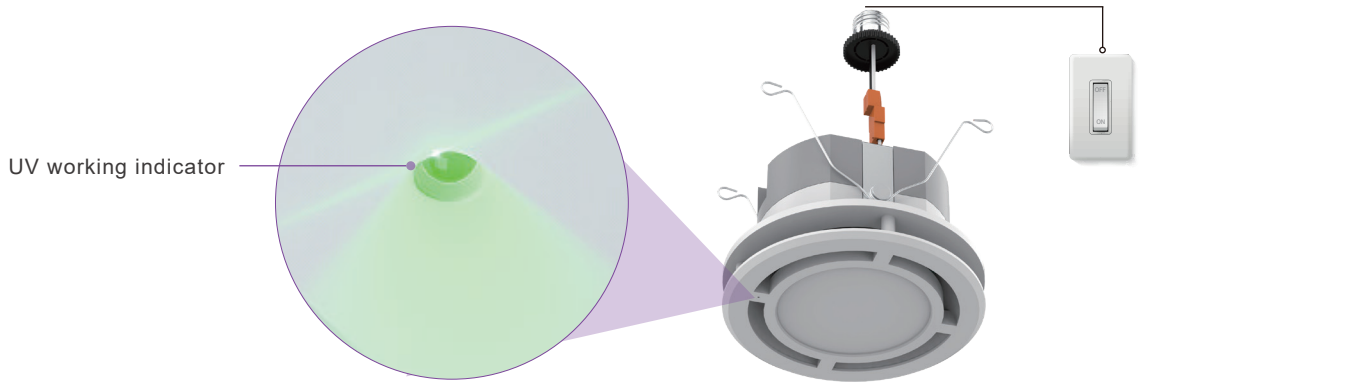
Built-in 8 long-life UV LED chips on 2 sides, 10,000 hours of UV maintenance rate \geq 70%, not easy to break, environmentally friendly and mercury-free.



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.



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

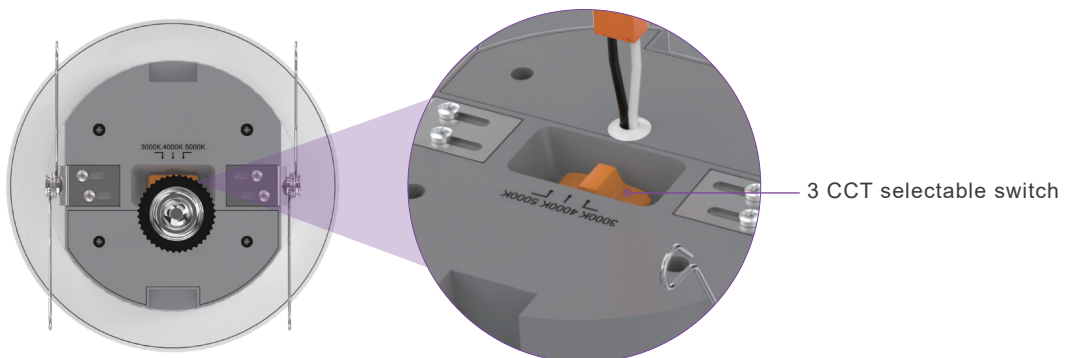
● Mode 2 (on-off-on) -
LED lighting
(indicator light off)

● 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 the UV function is turned off.

05 Color temperature adjust

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



3000K Warm White

4000K Daylight White

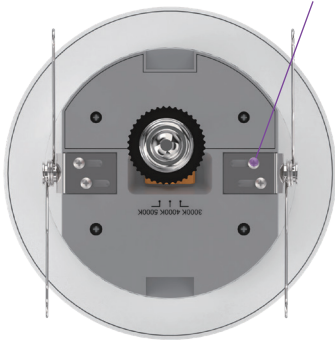
5000K Cool White



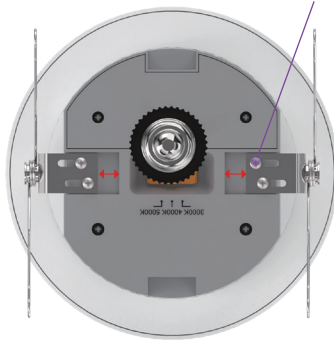
Installation method

● UV58-01 replacement installation:

The location of 5" J-BOX mounting tabs

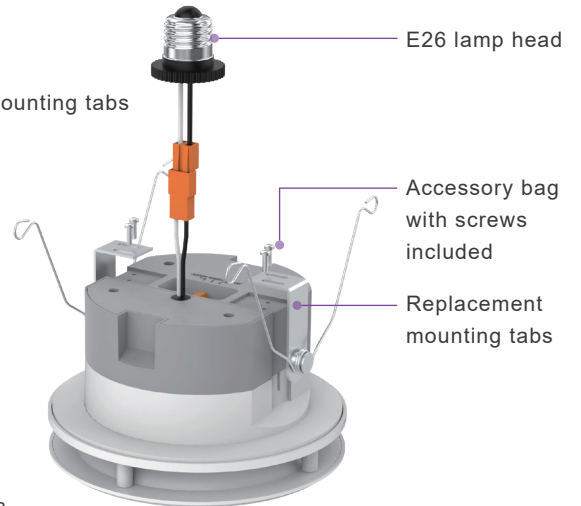


The location of 6" J-BOX mounting tabs

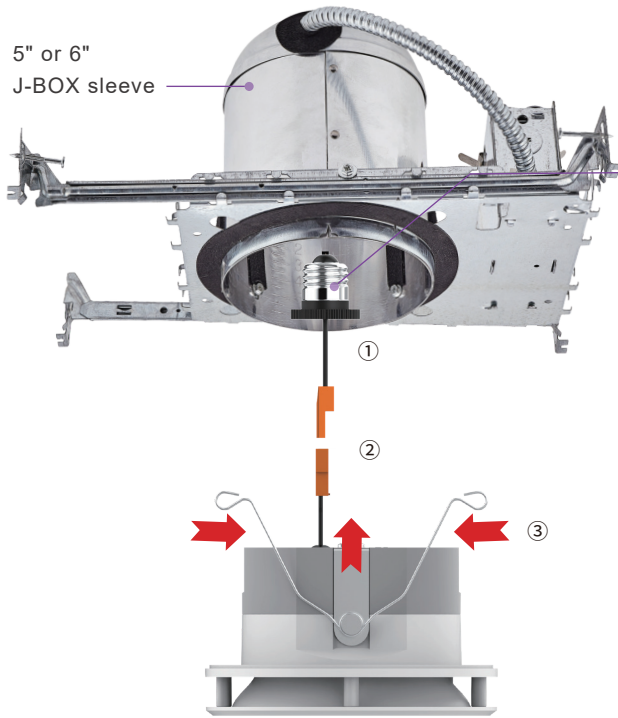


The effect drawing of the 5" mounting tabs which are locked tightly with the screws

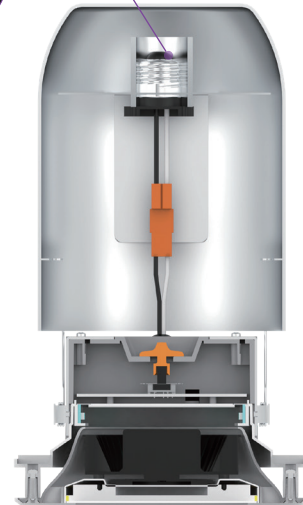
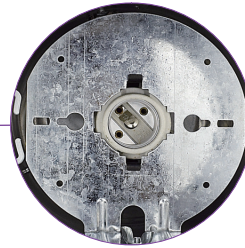
The effect drawing of the 6" mounting tabs which are locked tightly with the screws



5" or 6"
J-BOX sleeve



E26 lamp socket



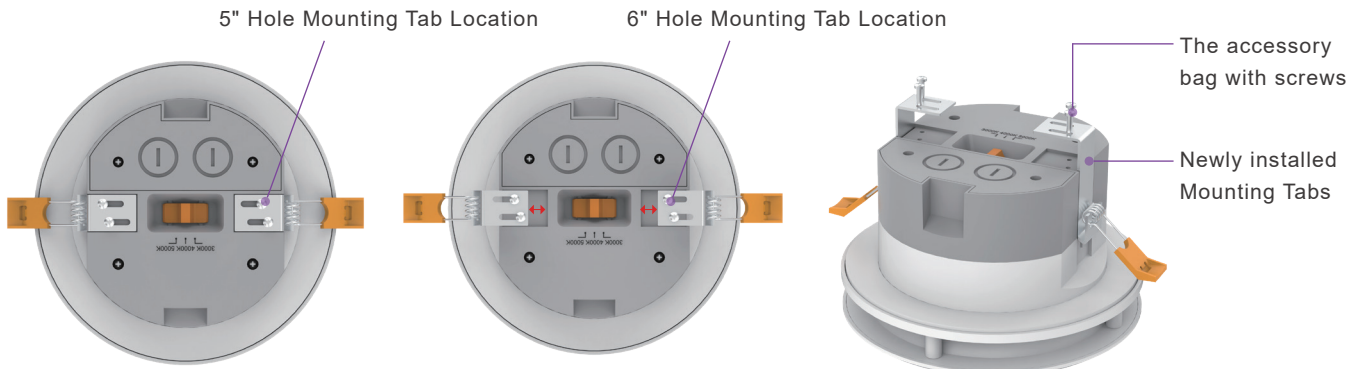
Installation effect

- 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

● UV58-02 Embedded Installation:

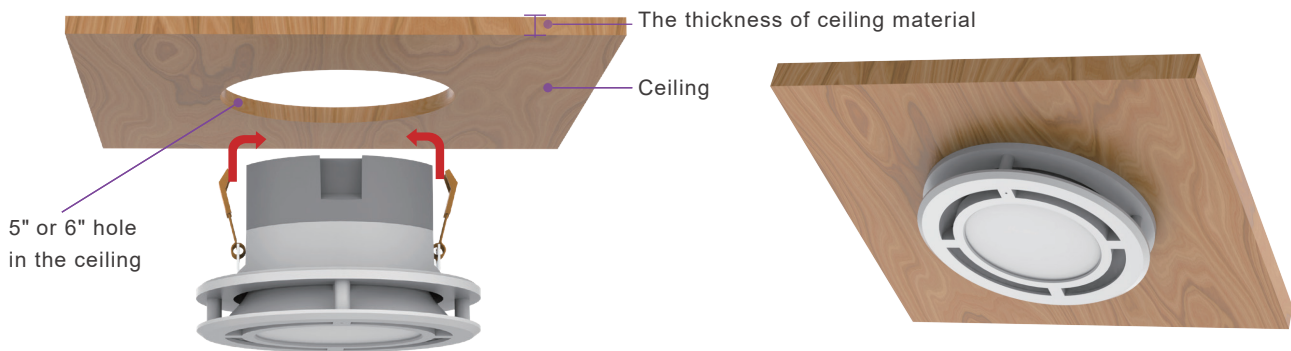
The size of the ceiling hole demand		
The type of the ceiling hole	The size of the ceiling Hole	The thickness of ceiling material
5"	135mm~145mm	9mm~18mm
6"	150mm~155mm	12mm~18mm



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

The effect drawing of the 6" mounting 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.



Installation step②: Press 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

