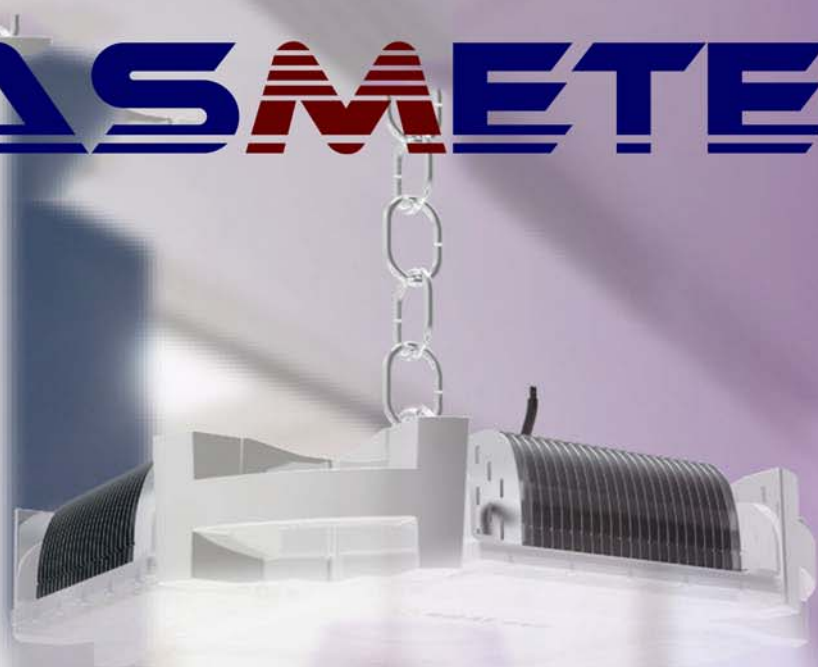


ASMETEC

The logo for ASMETEC, featuring the letters 'A', 'S', 'M', 'E', and 'T' in blue with horizontal lines underneath, and the letters 'E', 'T', 'E', and 'C' in red with horizontal lines underneath.

4Way Highbay Light Purification Module

ASMETEC GmbH
Carl-Benz-Str. 4
67292 Kirchheimbolanden

Parameters



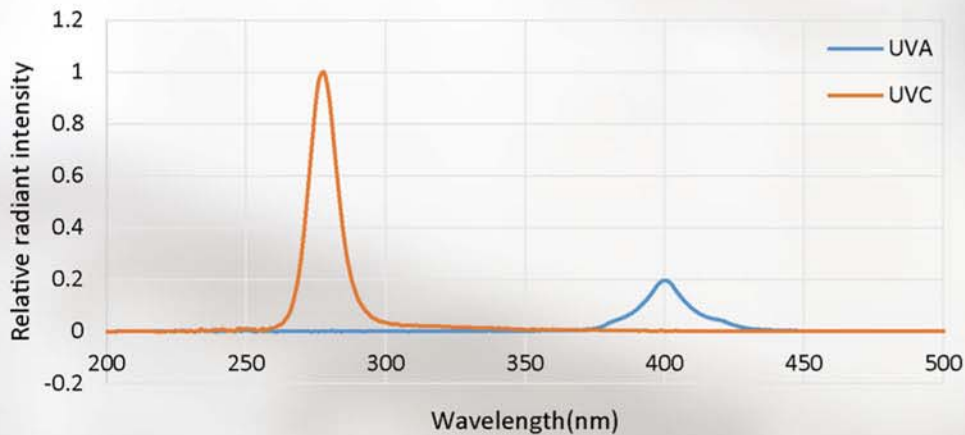
WATTAGE	100/150/200/240W
DRIVER	MEANWELL
LAMP EFFICIENCY	150LM/W±5%
LIGHT SOURCE	LUMILEDS
CRI	Ra>70/80
CCT	2700-6500K
RATED VOLTAGE	AC 100-240V 277V~, 50/60Hz
POWER FACTOR	>0.95
BEAM ANGLE	60°/120°
HEAT SINK	ALUMINIUM COOLING FIN ALUMINIUM RIVET
OPERATING TEMP	-40℃~60℃

Purification Module

WATTAGE	10/15W
RATED VOLTAGE	AC 100-240V 277V~, 50/60Hz



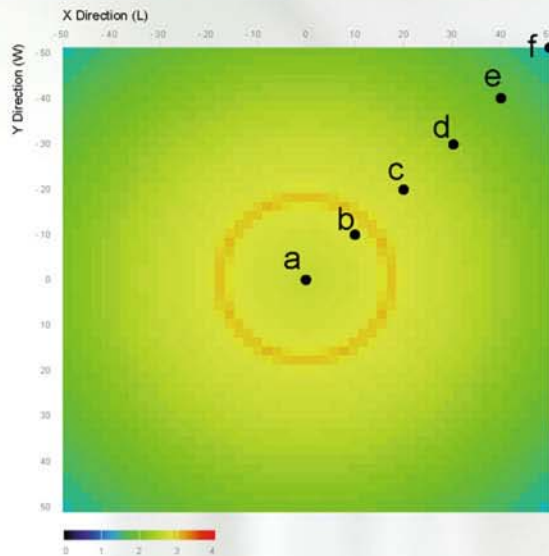
Spectrum



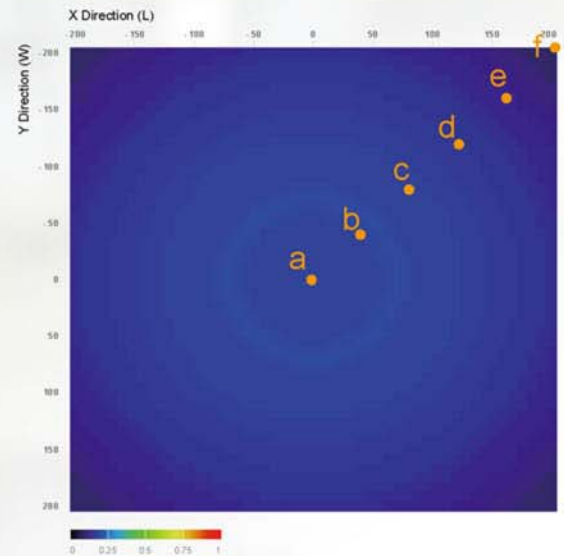
UVC two-dimensional light field simulation

Through theoretical calculation, the two-dimensional distribution of the radiation intensity of a single lamp bead on the illuminated surface and the corresponding sterilization rate range are obtained.

10W(120min)

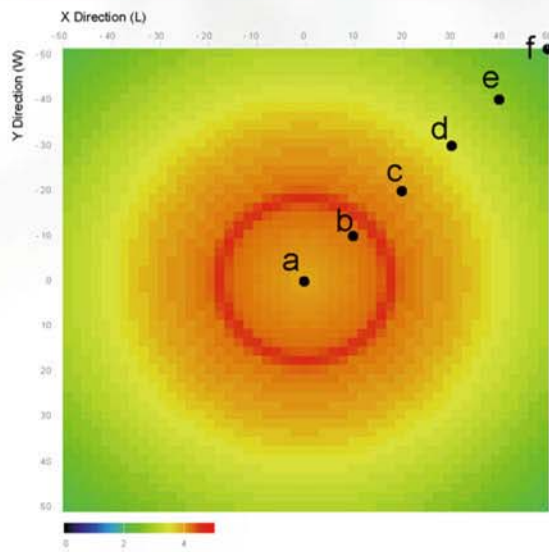


100*100*100cm(L*W*H)		
	Sterilization rate	Position(X,Y)
a	99.9998%	0, 0
b	99.9999%	10, -10
c	99.9999%	20, -20
d	99.9992%	30, -30
e	99.9900%	40, -40
f	99.9000%	50, -50

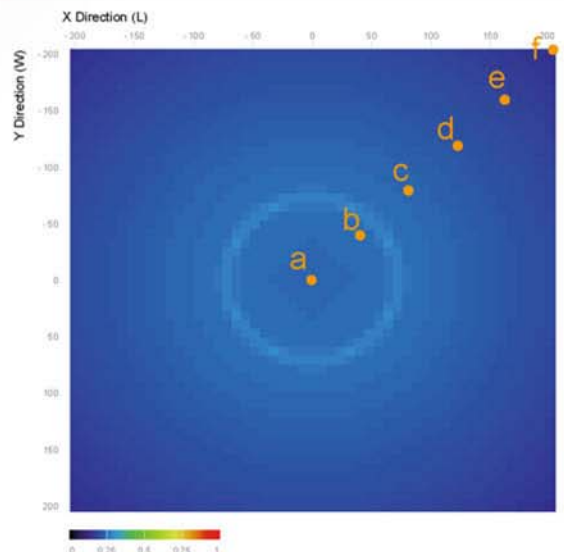


400*400*400cm(L*W*H)		
	Sterilization rate	Position(X,Y)
a	49.8813%	0, 0
b	60.1893%	40, -40
c	60.1893%	80, -80
d	49.8813%	120, -120
e	49.8813%	160, -160
f	36.9043%	200, -200

15W(120min)



100*100*100cm(L*W*H)		
	Sterilization rate	Position(X,Y)
a	100.0000%	0, 0
b	100.0000%	10, -10
c	100.0000%	20, -20
d	100.0000%	30, -30
e	99.9999%	40, -40
f	99.9968%	50, -50



400*400*400cm(L*W*H)		
	Sterilization rate	Position(X,Y)
a	68.3772%	0, 0
b	74.8811%	40, -40
c	68.3772%	80, -80
d	68.3772%	120, -120
e	60.1893%	160, -160
f	49.8813%	200, -200

Ultraviolet C

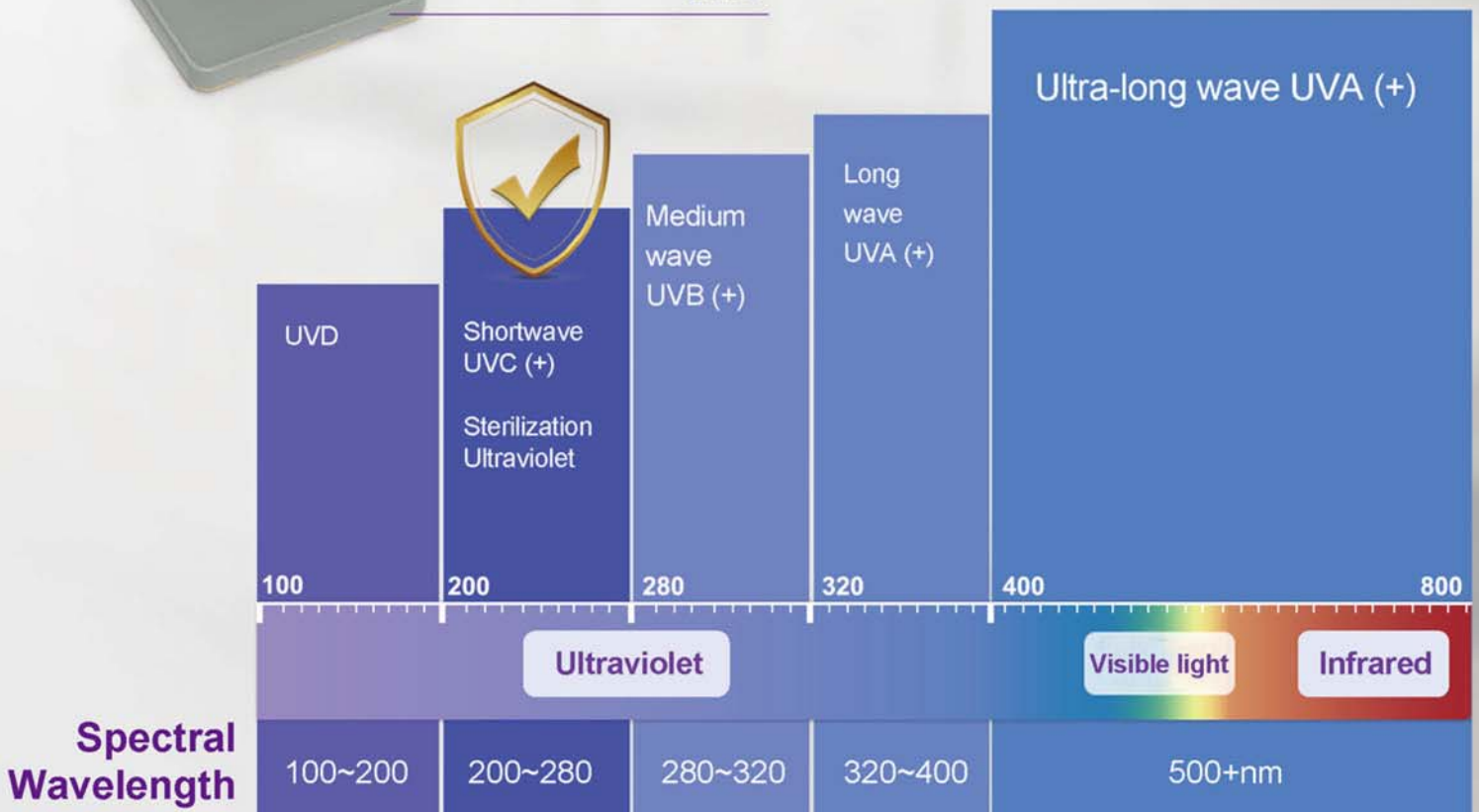
'The Truly Effective Purification Wavelength'



200-280nm. The non visible precision UVC chip used in this product.




390-400nm. The purple visible UVA chip used in imitation pseudo products with no purification properties.





UVC

*The spectrum wavelength of the 4Bay lamp purification module.
An instant, invisible, effective bacteria exterminator.*



UVA and UVB

*The lower spectrum wavelength of regular UV light.
Not adequate or capable for bacilli eradication.*

HOW UVC WORKS?

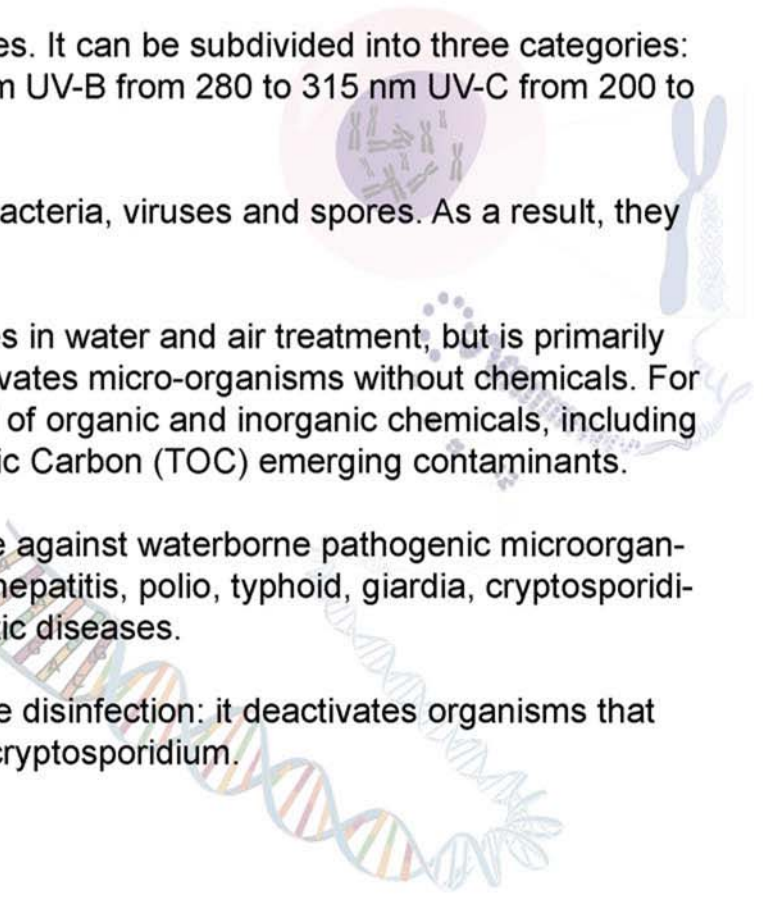
Ultra-Violet (UV) light is invisible to human eyes. It can be subdivided into three categories: UVA, UVB and UVC. UV-A from 315 to 400 nm UV-B from 280 to 315 nm UV-C from 200 to 280 nm.

UVC radiation is known to break the DNA of bacteria, viruses and spores. As a result, they are rendered harmless.

UV radiation can be used for multiple purposes in water and air treatment, but is primarily employed as a disinfection process that inactivates micro-organisms without chemicals. For other applications, UV is used for the removal of organic and inorganic chemicals, including chlorine, chloramines, ozone and Total Organic Carbon (TOC) emerging contaminants.

UVC radiation has been proven to be effective against waterborne pathogenic microorganisms including those responsible for cholera, hepatitis, polio, typhoid, giardia, cryptosporidium and many other bacterial, viral and parasitic diseases.

UVC disinfection is complementary to Chlorine disinfection: it deactivates organisms that are resistant to Chlorine such as giardia and cryptosporidium.





Minimal additional spend with lower operational costs than regular gas fluorescent lighting



8 times UVC output & 5 times life span than UV tube



Intelligent controls detection controls protects workforce from any harmful UVC radiation dosage



No additional installation except the 4Bay lamp itself, easy to operate and maintain



No Mercury & Ozone emissions during operation together with no 'end of life' disposal issues



Keep the operation area under lights clean from pathogenic bacteria



In built safeguards against exposure. Silent potent disinfection providing assured peace of mind

Wattage

30
25
20
15
10
5
0



System Consumption

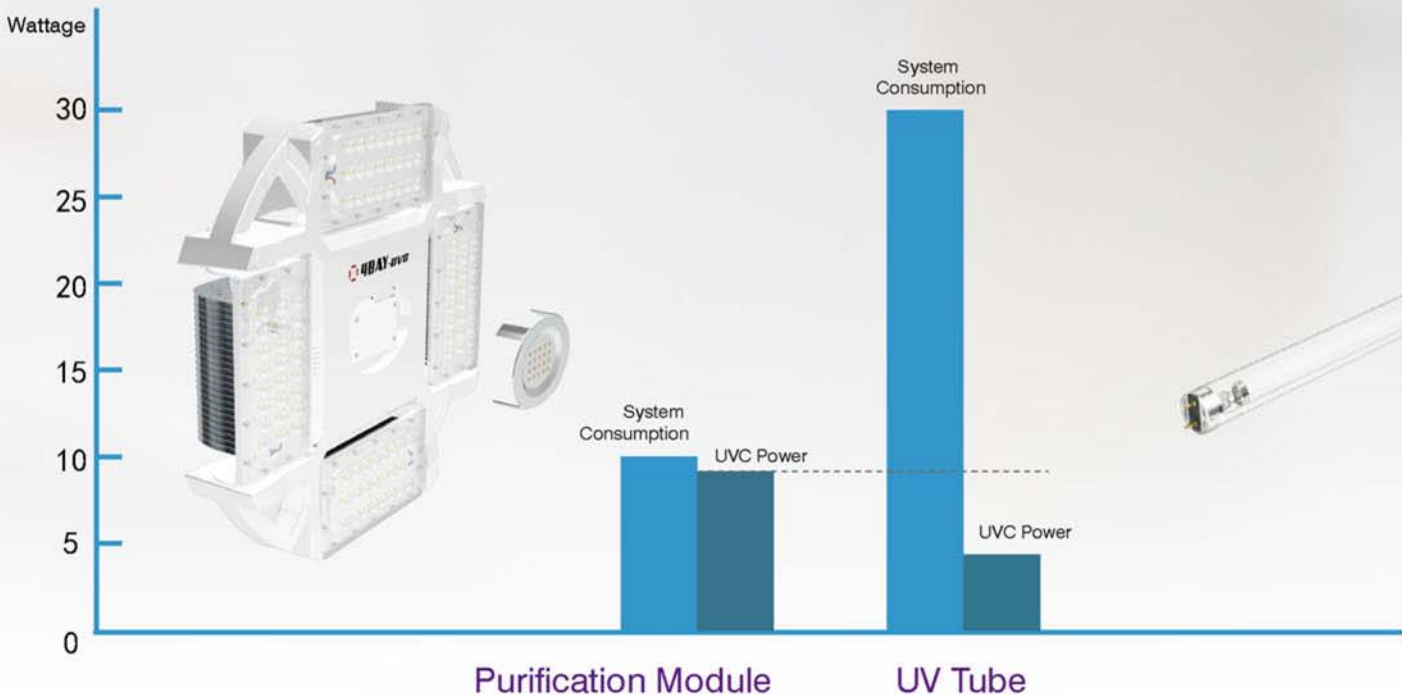
UVC Power

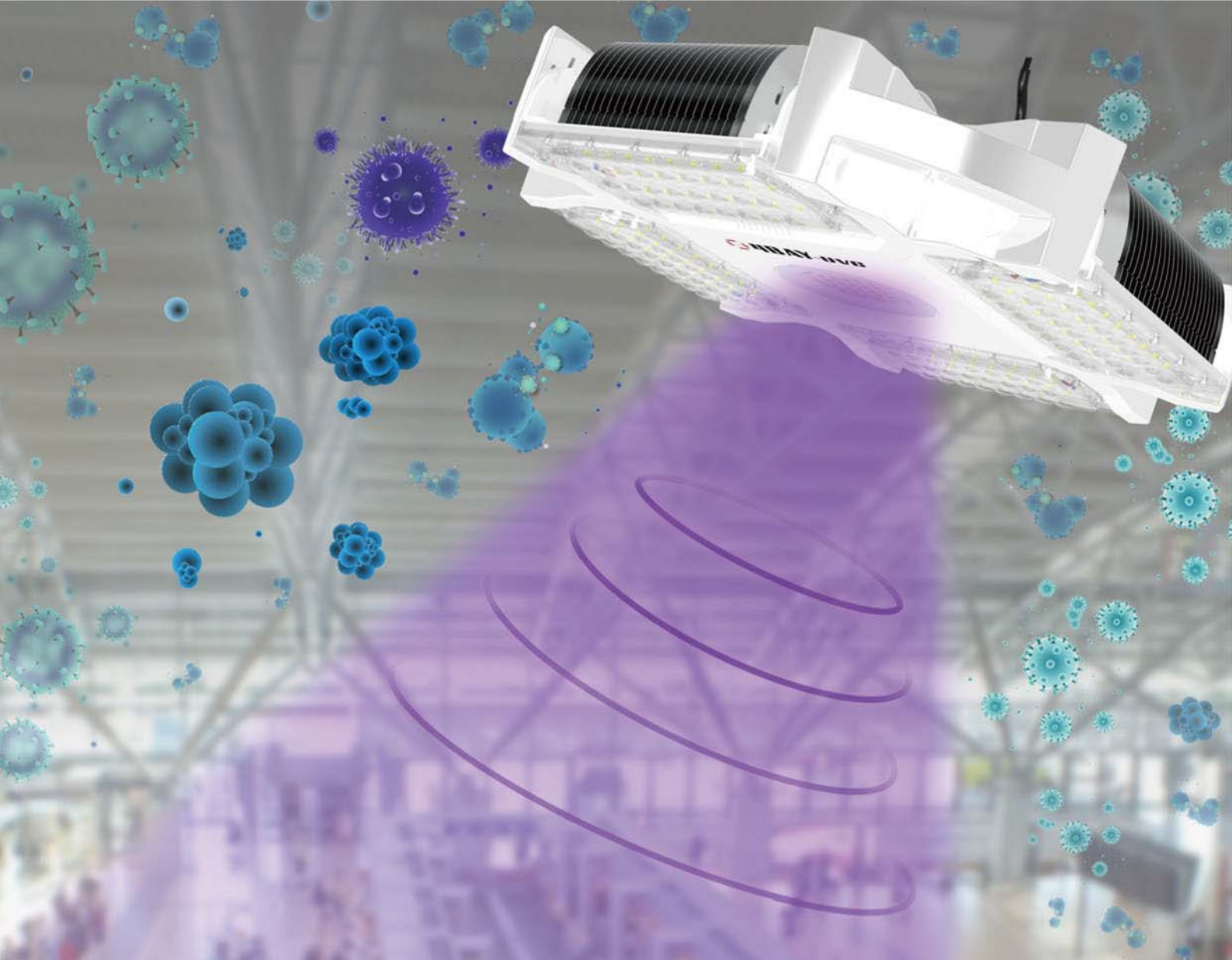
System Consumption

UVC Power

Purification Module

UV Tube





Silent Guardian

In addition to all your lighting needs, the purification module continuously exterminates airborne bacteria.

Application



Warehouse



Stadium



Hospital



Factory



Supermarket



Station



Airport



Laundry

Dual power line separate control

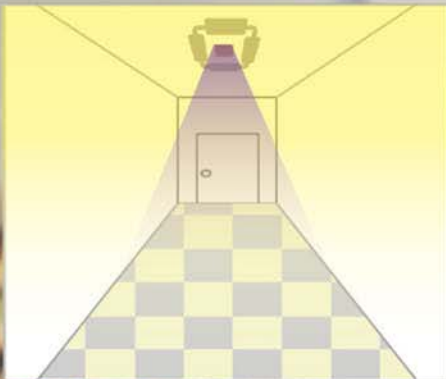


OPTION 1 - Manual Control

Wiring the purification module line with an individual input, either manually or remotely by BMS to turn on when disinfection is required.

* Purification module must not be used if personnel are present.

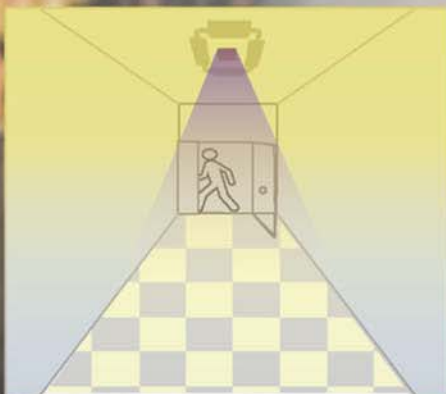
OPTION 2 - Intelligent control



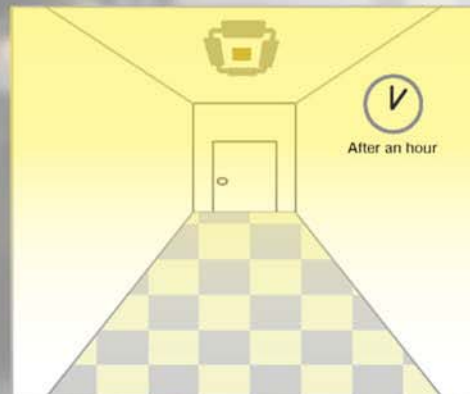
1. The purification module switched on automatically by absence.



2. The purification module switches off automatically when personnel are detected.



3. The purification module switches on automatically when no activity is detected.



4. After 1 hour (Optional), the purification module automatically switches off.