

LED Highbay with Air Purification Module



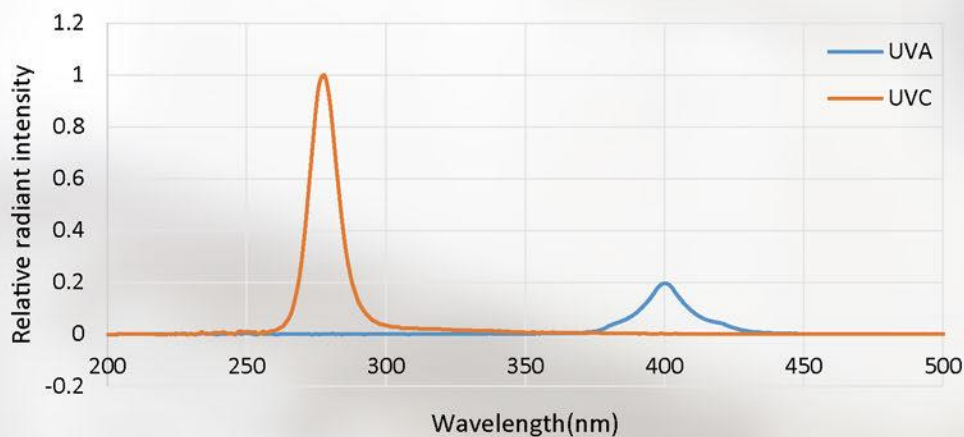
WATTAGE	100/150/200/240W
DRIVER	MEANWELL
LAMP EFFICIENCY	150LM/W±5%
LIGHT SOURCE	LUMILEDS
CRI	Ra>70/80
CCT	2700-6500K
RATED VOLTAGE	AC 100-240V 277V~, 50/60Hz
POWER FACTOR	>0.95
BEAM ANGLE	60°/120°
HEAT SINK	ALUMINIUM COOLING FIN ALUMINIUM RIVET
OPERATING TEMP	-40°C ~60°C

Purification Module

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



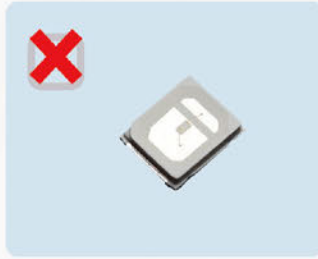
Spectrum



Ultraviolet C Truly Effective Purification Wavelength



200-280nm, precisely UVC chip we're using.



390-400nm purple chip in fake products, no purification function.

Chip

— Third generation standard.



Sapphire Substrate

— Excellent optical performance,

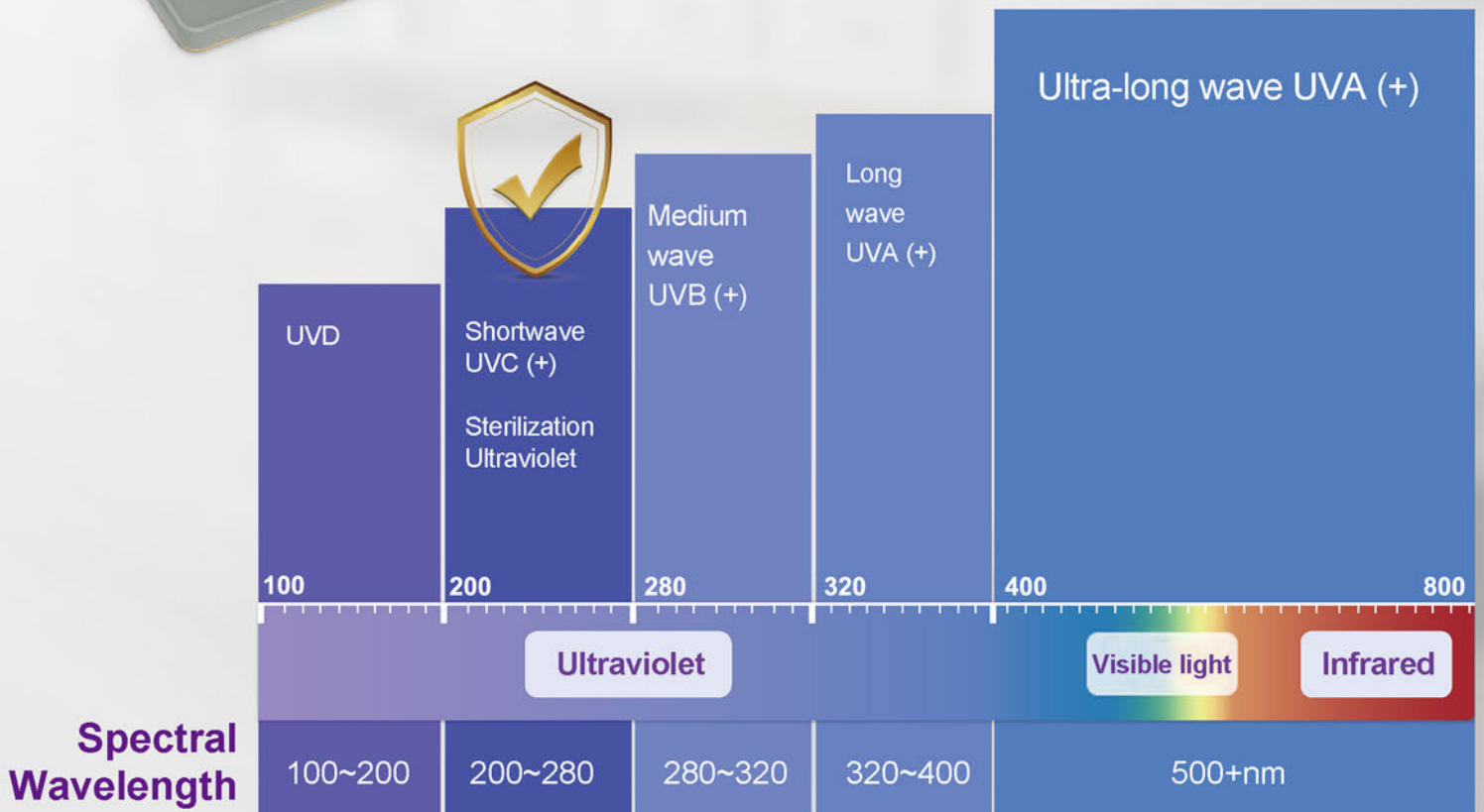


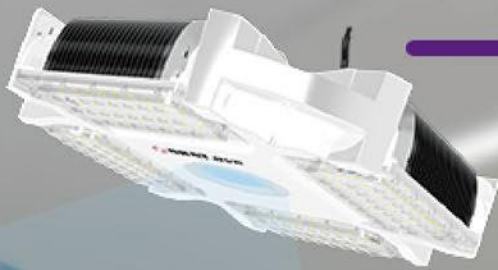
Gold plating LED Pedestal

— Efficient heat dissipation, longer life span



Base





VS

UVA and UVB

Major wavelength of regular UV light
Not as efficient as UVC

HOW UVC WORKS?

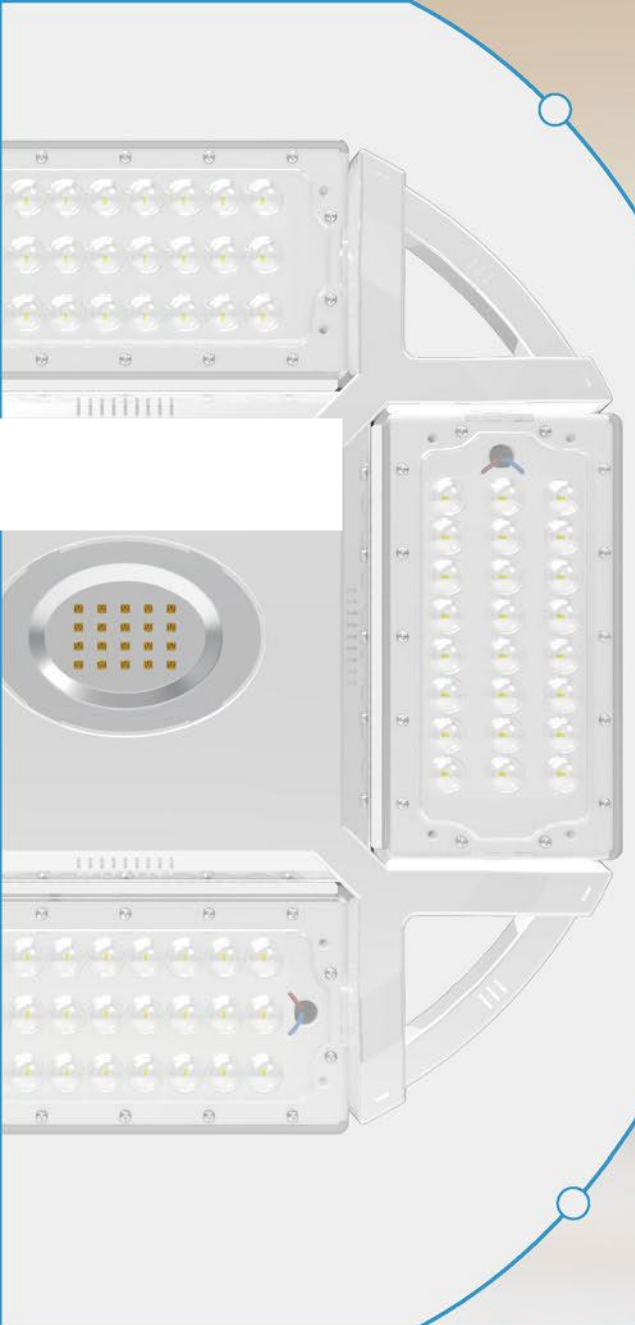
Ultra-Violet (UV) light is invisible to human eyes. It can be subdivided into three categories: UVA, UVB and UVC. UV-A from 315 to 400 nm UV-B from 280 to 315 nm UV-C from 100 to 280 nm.

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.



Low extra cost and operation cost



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



Intelligent control, protect user from overdosed UVC radiation harmful effect



No extra installation except light itself, easy to operate and to maintain



No Mercury & Ozone emission during working



Keep the operation area under lights clean from pathogenic bacteria



Safety against false touch. Silent disinfection, avoid mental discomfort

Wattage



4BAY Purification Module

System Consumption

System Consumption

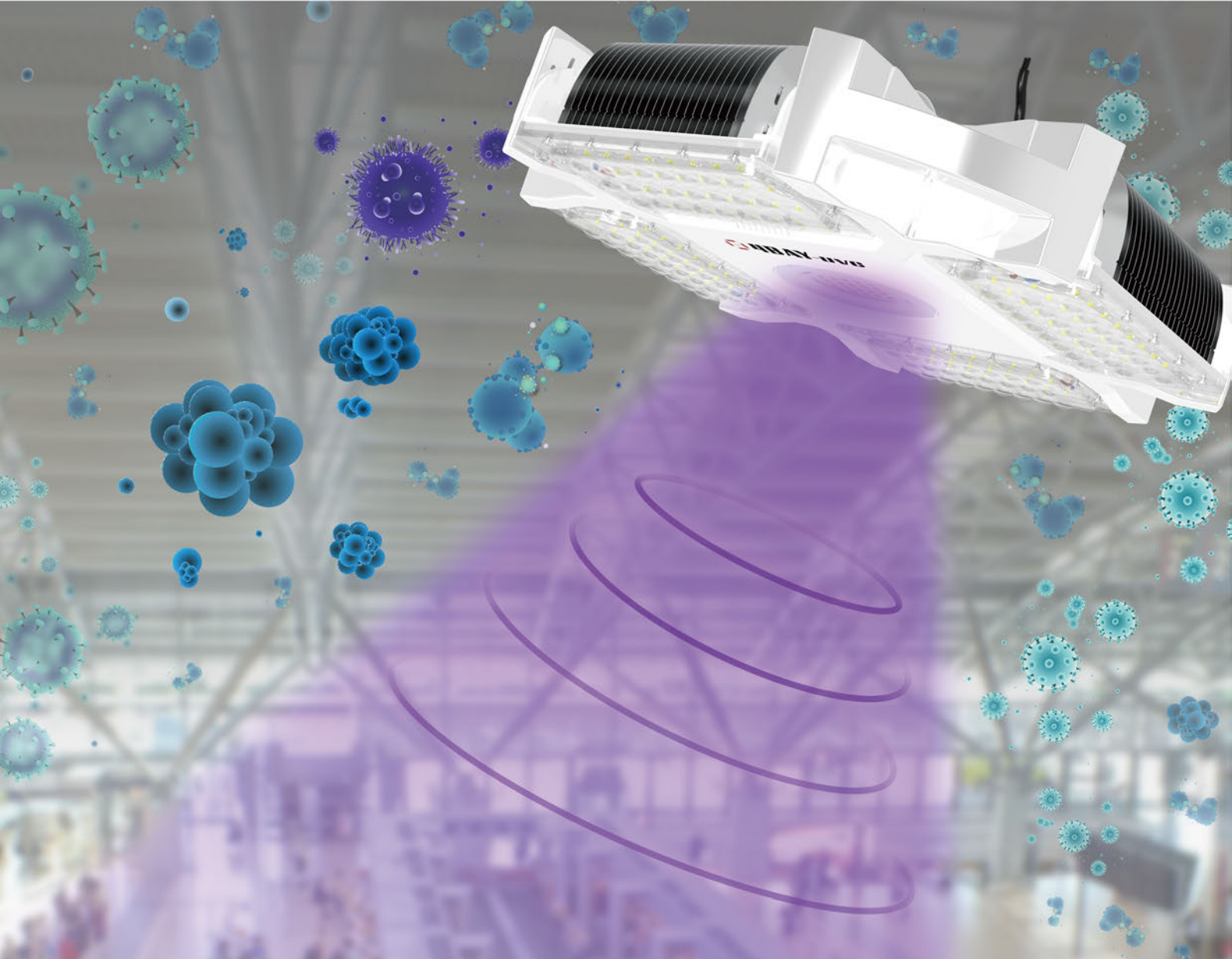
UVC Power

System Consumption

UVC Power

UV Tube





Silent Guardian

In addition to the basic lighting, the purification module continually reduce the bacteria amount in the air.

Application



Warehouse



Stadium



Hospital



Factory



Supermarket



Station



Airport

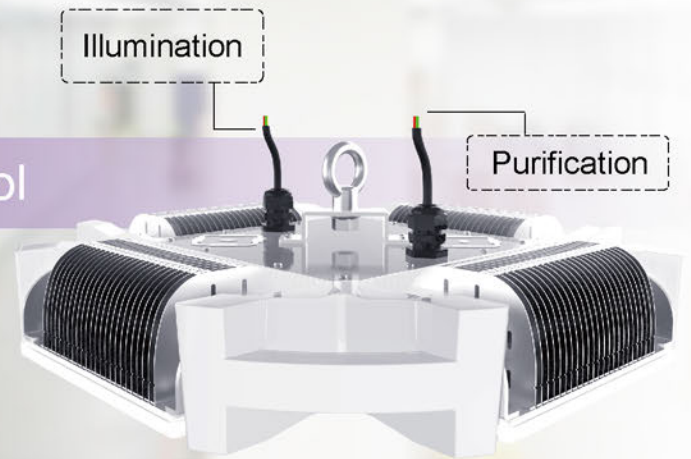


Laundry

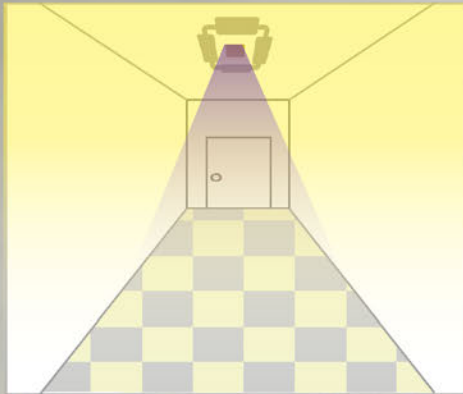
OPTION 1 - Two line separate control

Wiring the purification module line with an individual switch, turn it on once you need disinfection.

* Do not turn purification module on if someone nearby



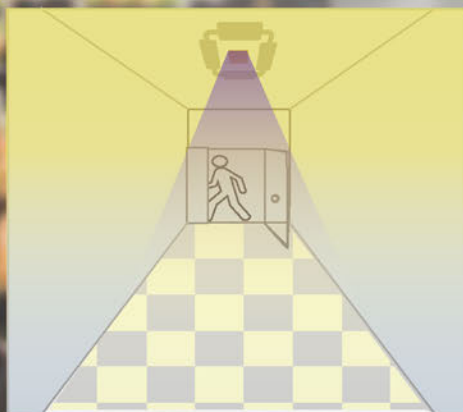
OPTION 2 - Intelligent control



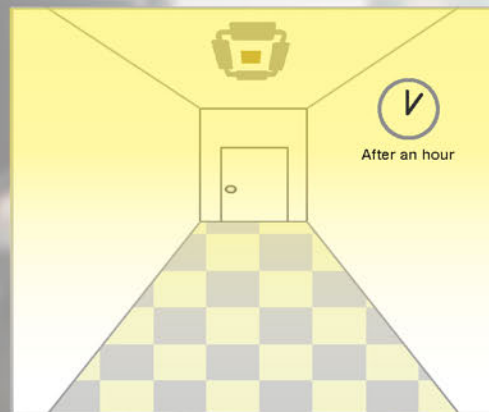
1. The purification module switched on automatically by absence



2. The purification module switched off automatically detected person comes



3. The purification module switched on automatically detected no activities.



4. After 1 hours(Optional), the purification module automatically switched off