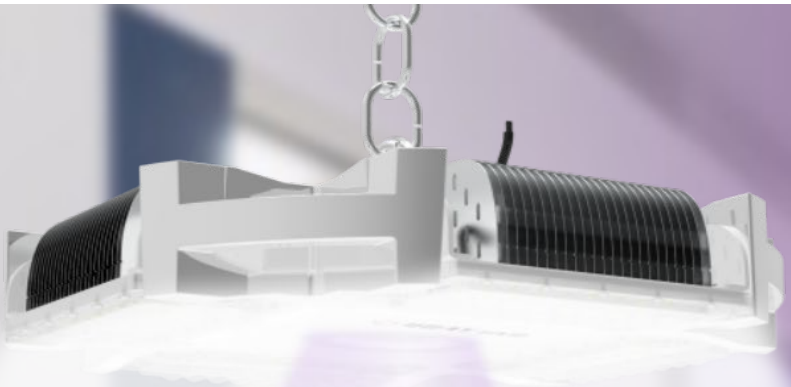
EFFICIENT
POWER TECH



Combo 4BAY Light

Purification Module

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EFFICIENT POWER TECH, L.L.C.
HOUSTON, TEXAS

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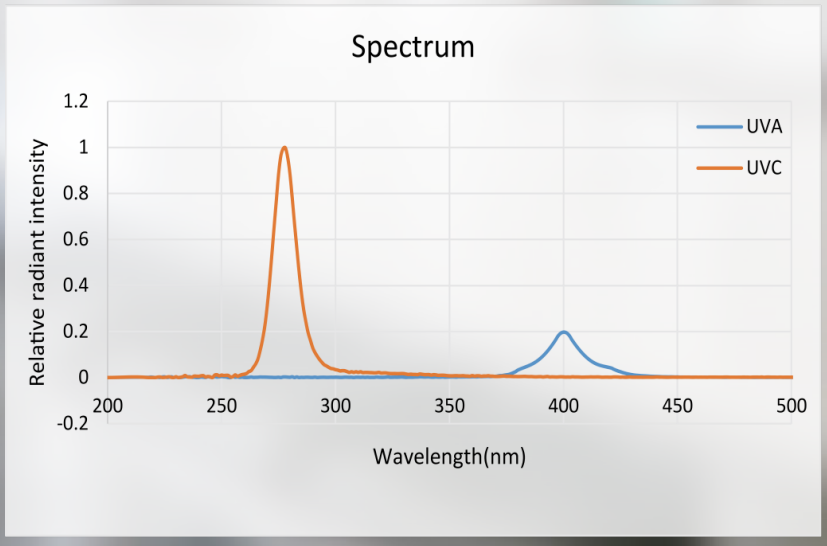
Parameters

WATTAGE	100/150/200/240W
DRIVER	MEANWELL
LAMP	LUMILEDS
EFFICIENCY	150LM/W±5%
CRI	Ra>70/80
CCT RATED	2700-6500K
VOLTAGE	AC 100-240V 277V~
POWER FACTOR	>0.95
BEAM ANGLE	60°/120°ALUMINIUM
HEAT SINK	COOLING FIN
	ALUMINIUM RIVET
OPERATING TEMP	-40°F~140°F

Purification Module

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



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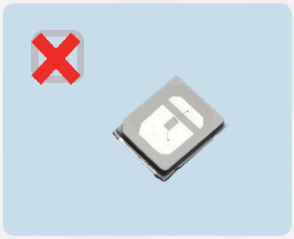
Ultraviolet C
'Truly Effective Purification Wavelength'

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



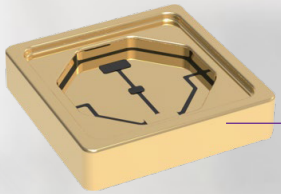
390-400nm. The purple visible UVA chip used in imitation pseudo products with no purification properties.

Chip

– Third generation standard.

Sapphire Substrate

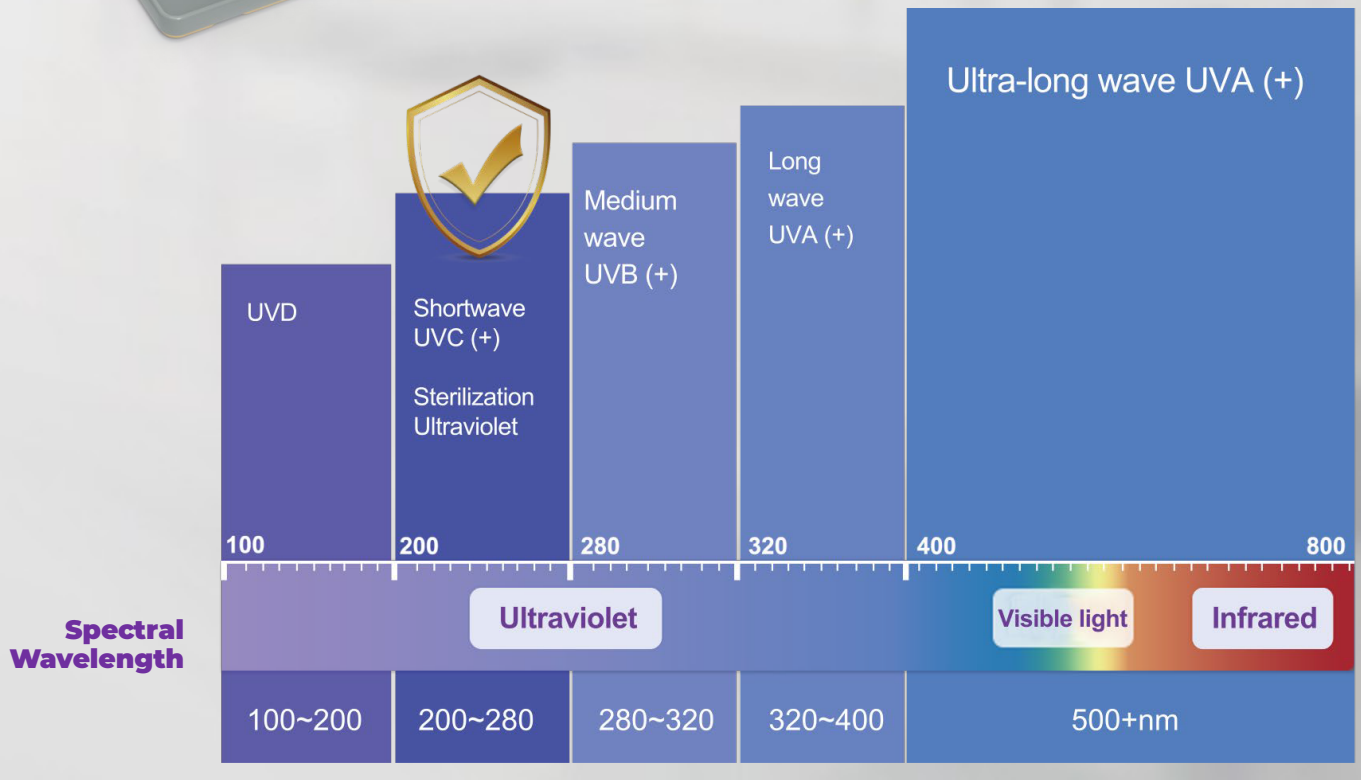
— Excellent optical performance

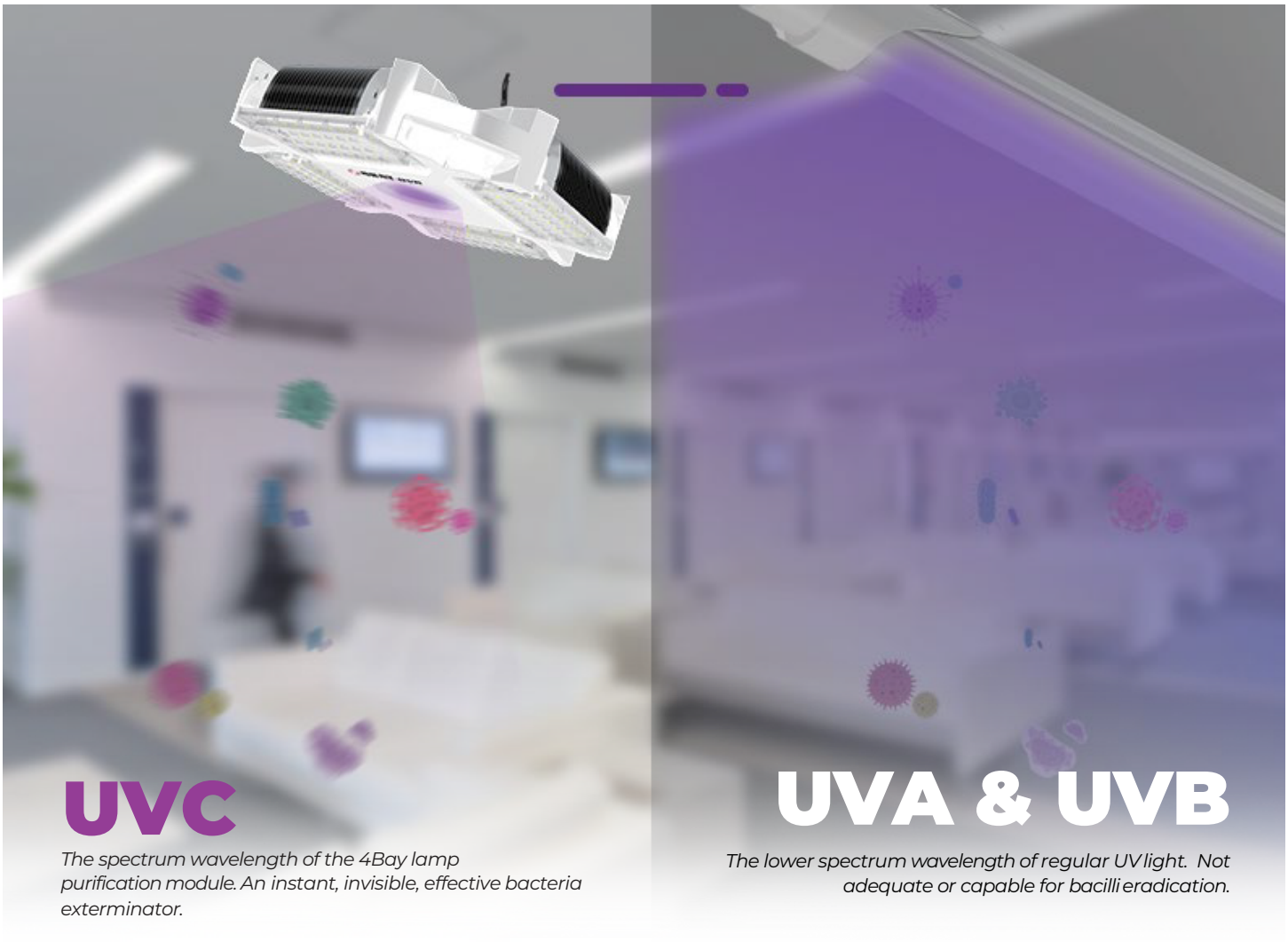


Gold plating LED Pedestal

— Efficient heat dissipation, longer life span

Base





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.

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- Minimal additional spend with lower operational costs than regular gas fluorescent lighting
- 8+ 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.

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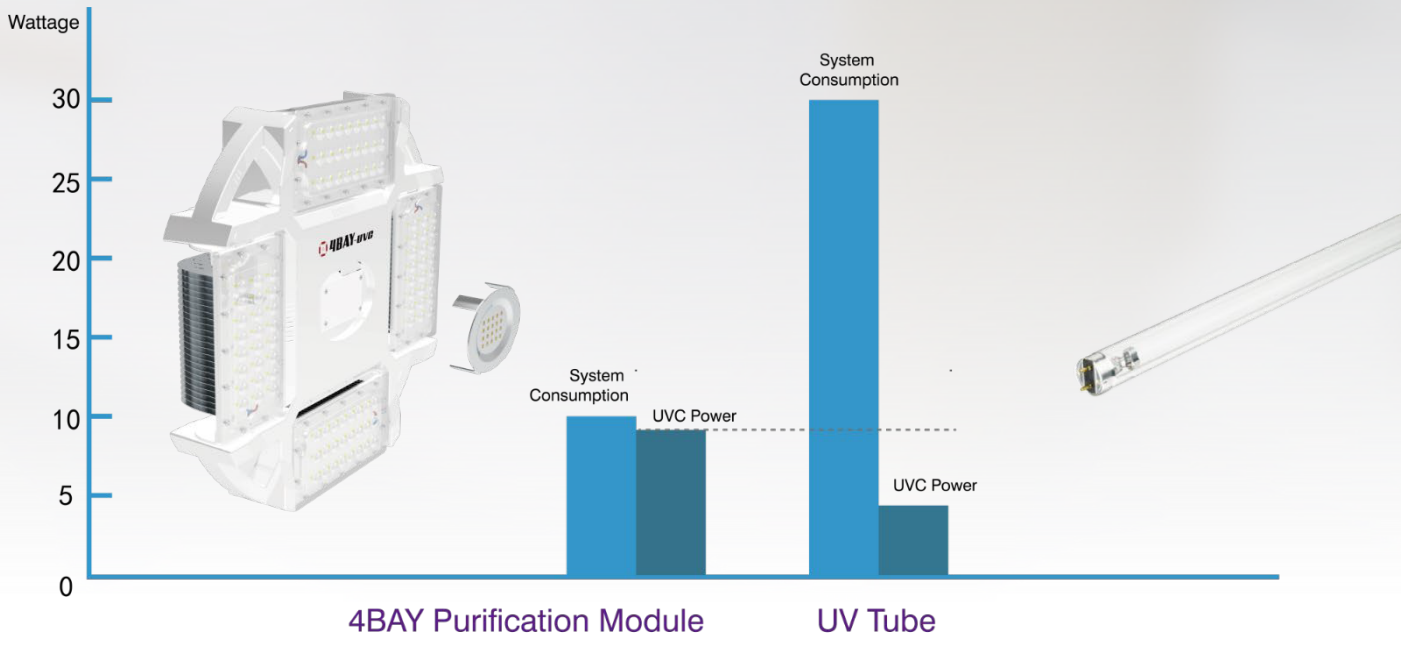

Silent Guardian

Efficient LED lighting with continuous extermination of airborne pathogens.

Application

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Warehouse | Stadium | Hospital | Factory | Supermarket | Station | Airport | Laundry

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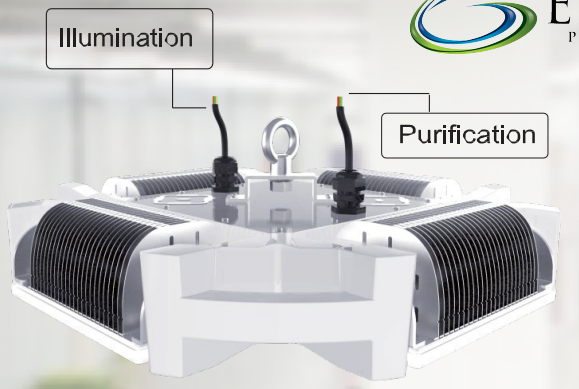
Dual power line separate

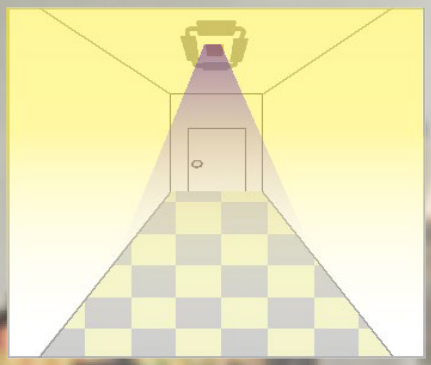


Option 1 - Manual Control

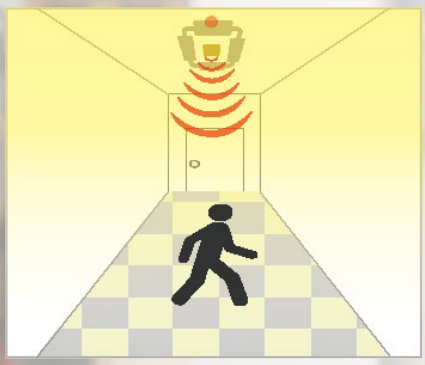
Wiring the purification module line with an individual input , either manually or remotely by BMS to turn on when disinfection is required.

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

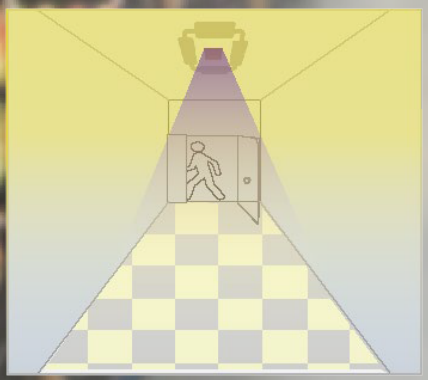
Option 2 - Intelligent Control



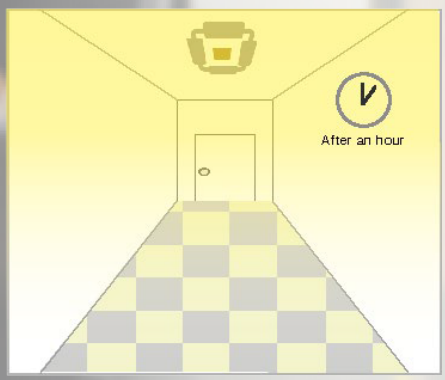
1. The purification module is switched on by the absence of personel.



2. The purification module is switched off by the presence of personel.



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



4. After one hour (optional) the purification module automatically switches off.