

UV LIGHT DISINFECTION SYSTEMS

STALWART PRO

UVC DISINFECTION HIGH BAY

The Stalwart Pro is a UVC Sterilizer that is easy to operate and maintain. Its practical design offers a greater degree of versatility to its operators, enabling them to redirect the UVC rays to any direction in their space. With its powerful sensors, this potent disinfection unit reduces irradiation hazards by turning off the UVC lamp when it detects humans in its vicinity. Additionally, it features an integrated alarm that notifies occupants before the UVC lights are activated.



PRODUCT FEATURES

- + Reduced Operational Costs in comparison to legacy UV fluorescent lamps.
- + Unique design allows flexibility in its applications.
- + Integrated alarm to notify users before it turns on to avoid UVC radiation.
- + Powerful sensors that turn-off the UVC lamps when it detects humans.
- + Devoid to mercury and ozone emissions.
- + Allows pathogen free environment at the flick of a switch.
- + Silent disinfection operation without any indoor pollution.

PRODUCT SPECIFICATIONS

PARAMETERS	INDEX
Power	50 W, 100 W, 150 W, 200 W
Voltage	100 - 277 V, 50/60 Hz
Power Factor	> 0.90
Dimensions	19 x 12 x 41 in
Weight	39 lbs
Coverage Area	400, 800, 1200, 1600 sq ft
Radiant Flux	595 - 2380 mW (UVC)
Wavelength	260nm + 340 nm
Spectral Wavelength	260nm + 340 nm
Sterilization Efficiency	>99.99%
Driving Current	100 mA
Sterilization Technology	UVC + UVA
Housing	Aluminum cooling fin
IP Rating	IP 20
Warranty	3 Years
Vertical Rotation	Y - 180°
Horizontal Rotation	X - 360°
Limiting Altitude	60 in
Driver	Meanwell
ESD	Class 3A JESD22 -A114 -E
Thermal Resistance (J to S)	Rth JS (Junction / solder)
LED Quantity	384 Nos.
Beam angle	120°
Options	Smart timer, Reversed motion sensor

PARAMETERS	INDEX
Applications	Office, Stadium, Hospitality, Airports warehouse, Factory Gymnasium, Warehouse Note (Specialized care, handling and trainer is required due to direct exposure to UVC)
Sub Applications	Stadium : Ground areas, Basketball court, Suites, Offices, Personnel Facilities Office : Conference room, Individual offices, Pantry areas, Shipping areas, Other meeting rooms, Reception area Airports : Waiting areas, Passport control, Customs and immigration, Security and safety area, Parking area Hospitality : Common walkways, Business center, Rest room, Restaurants Warehouse : Reception, Loading and unloading docks, Office and customer services, Dispatch area Factory : Assembly line, Production area, Loading area, Dispatch area
Sensor Options/Type of sensor	Alarm, Reversed Motion Sensor, Smart Timmer
Installation	Ground Installation-Portable machine placed to sterilize the specific area
Safety	Reversed motion sensor (to protect human from burning to working UVC light is necessary, when people left, after 30s, UVC resume to work) and Alarm to remind people next to UVC disinfection lamp to stay away, keep a safe distance
Usage Description	Highly capable disinfection lamp that allows effective disinfection with the help of high-precision UVC chip. The 4 bay purification light of this product enables non chlorinated bacterial sanitization with no residue.

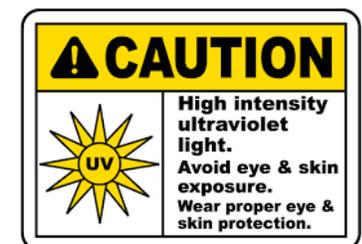
Area covered in X mins/hours

	200W	150W	100W	50W
165 sqft	40 min	55 min	80 min	160 min
232 sqft	65 min	85 min	130 min	250 min
368 sqft	85 min	115 min	170 min	330 min
482 sqft	120 min	160 min	240 min	480 min
584 sqft	130 min	170 min	260 min	530 min
678 sqft	150 min	200 min	300 min	570 min

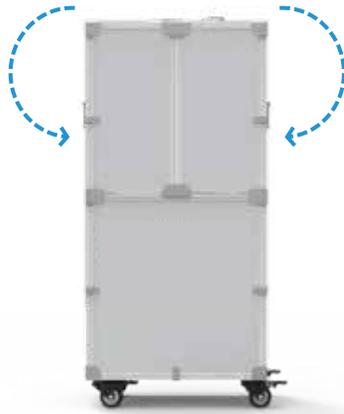
HUMANS AND UV

When it comes to the usage of UV (UVC+UVA) as a disinfection technology, it is important to be mindful of the following safety guidelines:

- According to FDA guidelines, UV units should always be installed properly by trusted professionals and used by trained individuals only to avoid any risk.
- Before starting the UV disinfection process make sure the room or the desired area is empty.
- If personnel have to present at the site, the use of personal protective equipment (PPE) is recommended to protect their eyes and skin from any possible risk.
- Never look directly at a UVC or UVA lamp, even briefly.
- While excessive exposure to UV can result in damage to the eyes (keratitis and conjunctivitis) and the skin (erythema), most such symptoms usually resolve within 24 to 48 hours. Most of the UVC gets absorbed by the outer dead layer of the human skin that minimizes the risk.
- According to CDC and NIOSH, for UVC at wavelength 253.7 nm, the recommended exposure limit (REL) is 6 mJ/cm² for a daily 8-hour work shift.
- Prolonged exposure to UV can cause photo degradation of organic and synthetic materials such as plastic, polymers and dyed textile.
- Some UVC and UVA lamps contain mercury that is toxic even in small quantities. Hence, extreme caution is required when such lamps break to either clean them or to dispose them.
- Hang a warning sign outside the room while UV cycle is running.
- Use UV devices with wireless control systems as much as possible.



PRODUCT FEATURES

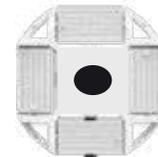


Unlock the box



Adjust the pole
Maximum height 60 in

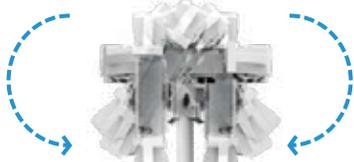
19 in



Adjust to
target direction



Step on to brake



Loosen the screw
to adjust, 180° available

Adjust the modules
for a 360° full coverage



Toolless rotatable
200° available



ORDERING INFORMATION

SKU	Product Codes
662187549002	AX-STLWTP-SD-UV-PT-0050W
662187549019	AX-STLWTP-SD-UV-PT-0100W
662187549026	AX-STLWTP-SD-UV-PT-0150W
662187549033	AX-STLWTP-SD-UV-PT-0200W
AX - Axenic	
STLWTP - STALWART PRO	
SD - Surface Disinfection	
UV - Ultra Violet Light	
PT - Portable	
XXXXW - Wattage	