

UV LIGHT DISINFECTION SYSTEMS

CONCORD

UVC DISINFECTION HIGH BAY



The Concord High Bay Light is a potent Disinfection System that uses UVC light to destroy disease causing harmful pathogens. Its operation, maintenance and installation are similar to that of any high bay light. The disinfection luminaire features an advanced heat sink which increases its longevity significantly.

PRODUCT FEATURES

- + Reduced Operational Costs in comparison to legacy UV fluorescent lamps.
- + Lasts longer than any legacy UV lamps.
- + Easy installation and operation just like any ordinary High Bay light.
- + 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

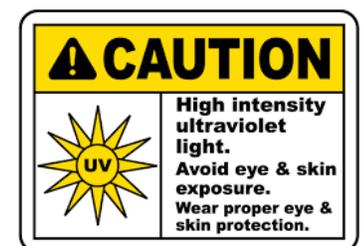
PARAMETERS	INDEX
Power	50 W, 100 W, 150 W, 200 W
Voltage	110 - 277 V, 50/60 Hz
Power Factor	> 0.90
Dimensions	24 x 12 x 16 in or 48 x 24 x 16 in
Operating Temperature	- 10 °F to + 120 °F
Wavelength	260 nm
Driver	Meanwell
Housing	Aluminum
Base Power	Hard Wire
Coverage Area	400, 800, 1200, 1600 sq ft
Sterilization Technology	UVC
Warranty	3 Years

PARAMETERS	INDEX																																			
Applications	Office, Stadium, Hospitality, Airports warehouse, Factory Gymnasium, Warehouse, Mining, Industrial, Tunnel																																			
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	Ceiling Installation, Suspension Installation, Wall Installation																																			
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 Descriptiton	A UVC based sterilizer designed to disinfect large spaces.																																			
Area covered in X mins/hours	<table border="1"> <thead> <tr> <th></th> <th>200W</th> <th>150W</th> <th>100W</th> <th>50W</th> </tr> </thead> <tbody> <tr> <td>165 sqft</td> <td>40 min</td> <td>55 min</td> <td>80 min</td> <td>160 min</td> </tr> <tr> <td>232 sqft</td> <td>65 min</td> <td>85 min</td> <td>130 min</td> <td>250 min</td> </tr> <tr> <td>368 sqft</td> <td>85 min</td> <td>115 min</td> <td>170 min</td> <td>330 min</td> </tr> <tr> <td>482 sqft</td> <td>120 min</td> <td>160 min</td> <td>240 min</td> <td>480 min</td> </tr> <tr> <td>584 sqft</td> <td>130 min</td> <td>170 min</td> <td>260 min</td> <td>530 min</td> </tr> <tr> <td>678 sqft</td> <td>150 min</td> <td>200 min</td> <td>300 min</td> <td>570 min</td> </tr> </tbody> </table>		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
	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 UVC

When it comes to the usage of UVC 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 UVC 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 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 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 UVC cycle is running.
- Use UVC devices with wireless control systems as much as possible.



ORDERING INFORMATION

SKU	Product Codes
662187548784	AX-CNCRD-SD-UV-FX-0050W
662187548791	AX-CNCRD-SD-UV-FX-0100W
662187548807	AX-CNCRD-SD-UV-FX-0150W
662187548814	AX-CNCRD-SD-UV-FX-0200W
AX - Axenic	
CNCRD - CONCORD	
SD - Surface Disinfection	
UV - Ultra Violet Light	
FX - Fixed Fixture	
XXXXW - Wattage	