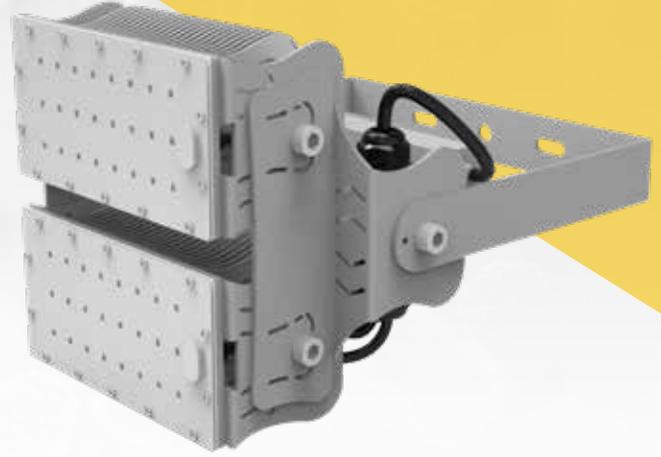


## UV LIGHT DISINFECTION SYSTEMS

# DEXTER

## UV DISINFECTION FLOOD LIGHT

The Axenic UV Disinfection Floodlight is a UVC based Sterilizer that features a modular design. It is designed to disinfect large areas and is easy to operate and maintain. Its versatile design increases the beam angle of the disinfection lamps, enabling them to redirect the UVC rays to any direction in their space of the application.



### PRODUCT FEATURES

- + Reduced Operational Costs in comparison to legacy UV fluorescent lamps.
- + Rotatable Modular Design for versatility in applications.
- + Integrated heat sinks for rapid heat dissipation.
- + IP65 Protection.
- + Devoid of mercury and ozone emissions.
- + Allows pathogen-free environment at the flick of a switch.

### PRODUCT SPECIFICATIONS

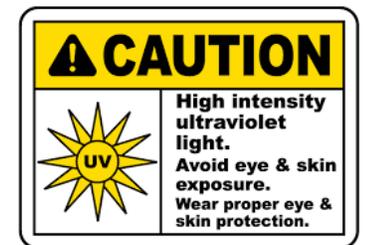
PARAMETERS	INDEX
<b>Power</b>	50 W, 100 W
<b>Voltage</b>	110 - 277 V, 50/60 Hz
<b>Dimensions</b>	11.45 x 4.01 x 10.47 Inches
<b>Coverage Area</b>	400, 800 sqft
<b>Power Factor</b>	> 0.95
<b>Operating Temperature</b>	- 40 °F to + 140 °F
<b>Radiant Flux</b>	595 - 1190 mW (UVC)
<b>Wavelength</b>	260 nm + Optional 340 nm
<b>Sterilization Efficiency</b>	>98 %
<b>Major Function</b>	Kill bacteria and viruses
<b>Driving Current</b>	100 mA
<b>Sterilization Technology</b>	UVC + Optional UVA
<b>Driver</b>	Meanwell
<b>Housing</b>	Aluminum Cooling Fin

PARAMETERS	INDEX																																			
<b>Applications</b>	Office, Stadium, Hospitality, Airports warehouse, Factory Gymnasium, Warehouse, Mining, Industrial, Tunnel																																			
<b>Sub Applications</b>	<b>Stadium</b> : Ground areas, Basketball court, Suites, Offices, Personnel Facilities <b>Office</b> : Conference room, Individual offices, Pantry areas, Shipping areas, Other meeting rooms, Reception area <b>Airports</b> : Waiting areas, Passport control, Customs and immigration, Security and safety area, Parking area <b>Hospitality</b> : Common walkways, Business center, Rest room, Restaurants <b>Warehouse</b> : Reception, Loading and unloading docks, Office and customer services, Dispatch area <b>Factory</b> : Assembly line, Production area, Loading area, Dispatch area																																			
<b>Sensor Options/Type of sensor</b>	Alarm, Reversed Motion Sensor, Smart Timmer.																																			
<b>Installation</b>	Ground Installation, wall Installation, suspended Installation, ceiling Installation.																																			
<b>Safety</b>	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.																																			
<b>Usage Description</b>	A UVC based sterilizer designed to disinfect large spaces. Versatile design enhances the beam angle of the disinfection lamps which helps in redirecting UVC rays to different directions.																																			
<b>Area covered in X mins/hours</b>	<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
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## 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/cm<sup>2</sup> 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.



## ORDERING INFORMATION

SKU	Product Codes
662187548821	AX-DXTER-SD-UV-FX-0050W
662187548838	AX-DXTER-SD-UV-FX-0100W
AX - Axenic	
DXTER - DEXTER	
SD - Surface Disinfection	
UV - Ultra Violet Light	
FX - Fixed Fixture	
XXXXW - Wattage	