

**Wall Mounted Type**



**Ceiling suspended Type**



**Surface Mounted Type**

PURE PROTECTION AGAINST BACTERIA AND VIRUSES USING THE POWER OF LIGHT



**TRUSTED**

40 years experience in UV-C lighting and strong application expertise.  
50,000 hrs long lifespan.  
5 years warranty.



**EFFECTIVE**

Proven effectiveness against bacteria, mold, mildew, and viruses.



**FAST**

Can disinfect surfaces and objects in minutes.



**VERSATILE**

Can be used in numerous applications.

# 300W DEFENDER SERIES INDUCTION UVC LIGHT

# DEFENDER SERIES UVC HIGHBAY LIGHT

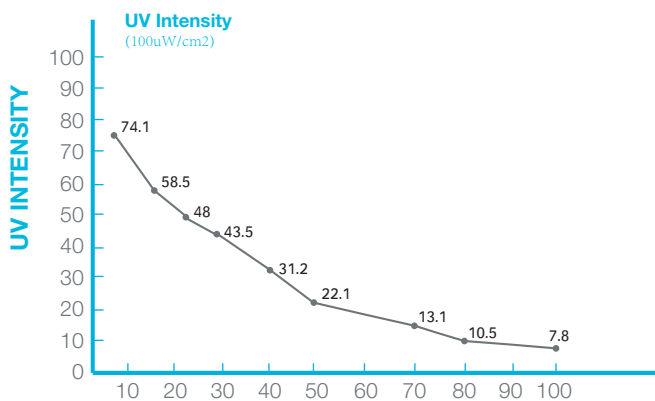
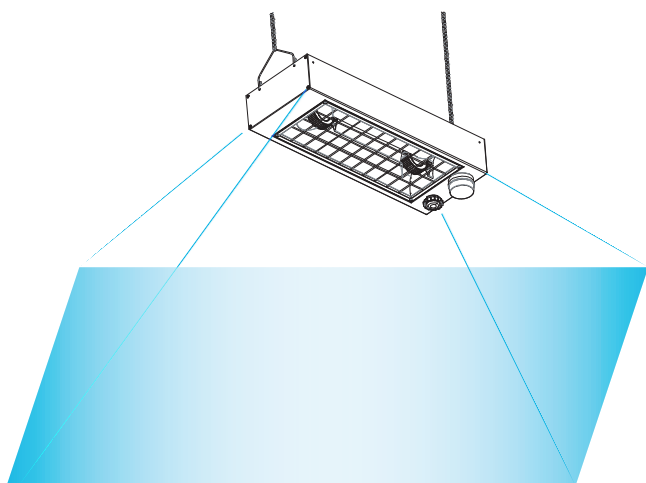
## OVERVIEW

1. 300W new UVC 253.7nm highbay fixture.
2. 50,000 hours long life span, 5 years warranty.
3. High intensity 780 uW/cm<sup>2</sup> @ 1 meter distance from bulb.
4. 5 - 12 minutes quick sterilization per day, no delay for daily work.
5. Multiple installation, preparing for daily sterilization light.
6. Working Voltage: 120V-277V wide range.
7. Working temperature: -20°C - 50°C.
8. With or without ozone 185 nm Far UV.
9. Option: alarm and motion sensor for safety.



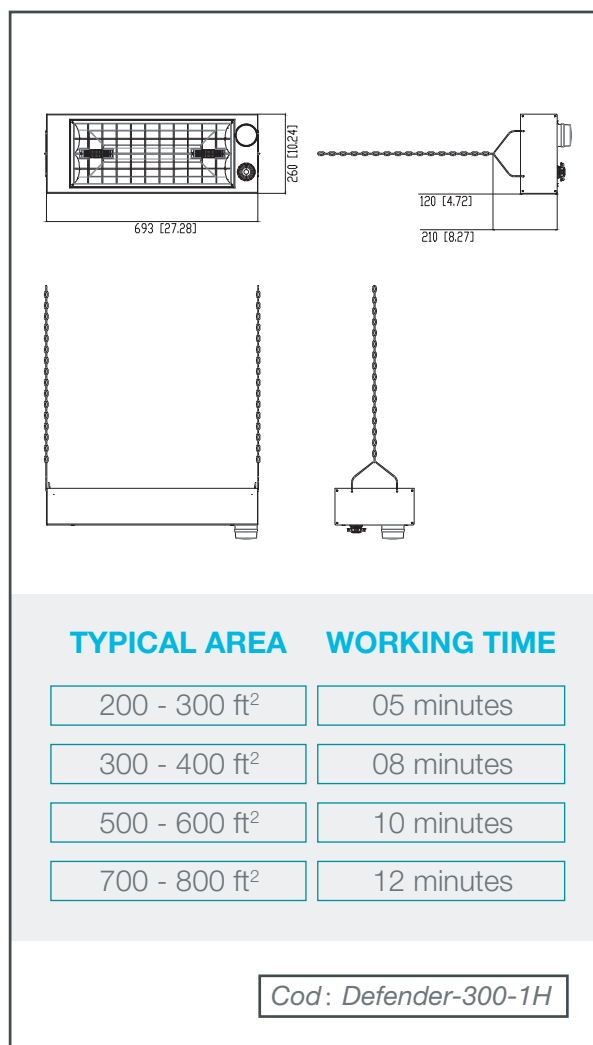
Code: Defender-300-1H

## WORKING AREA SUGGESTION



**300W INDUCTION UVC  
LAMP CHARACTERISTIC CURVE**

## DIMENSIONS (mm/inch)



# DEFENDER SERIES UVC HIGHBAY LIGHT

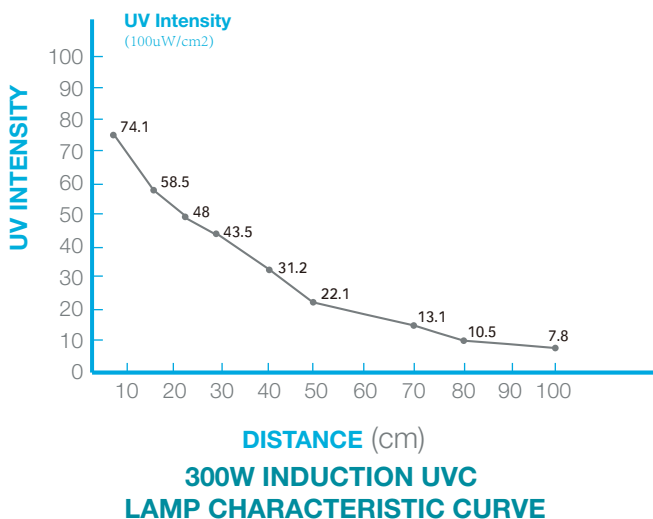
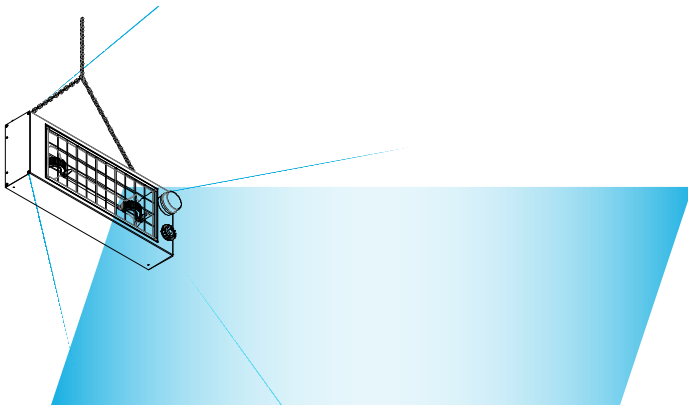
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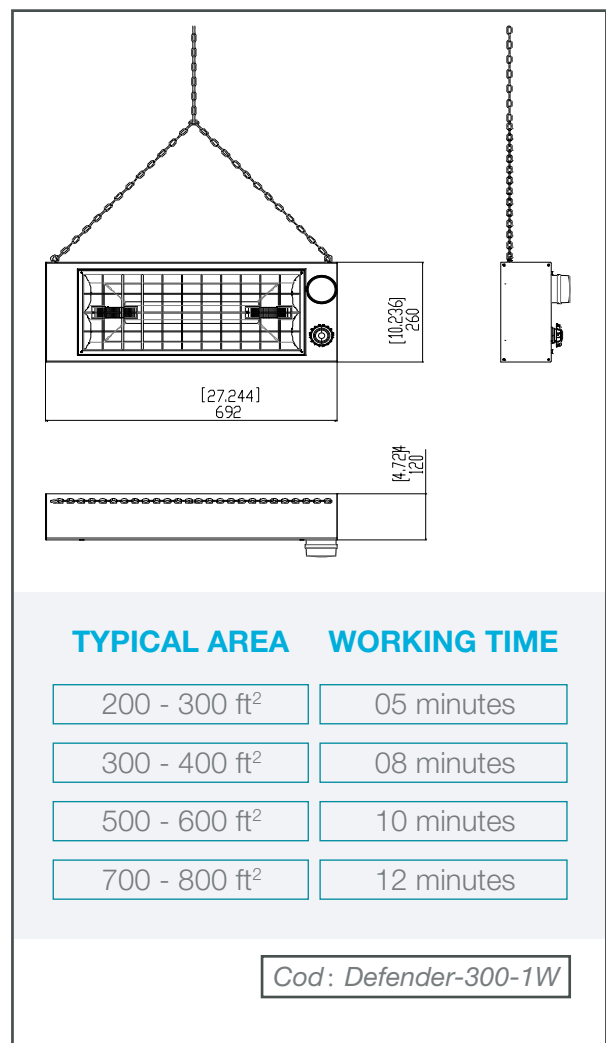


Code: Defender-300-1W

## WORKING AREA SUGGESTION



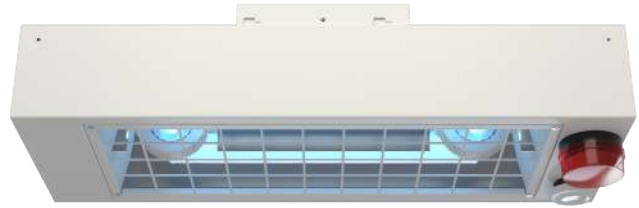
## DIMENSIONS (mm/inch)



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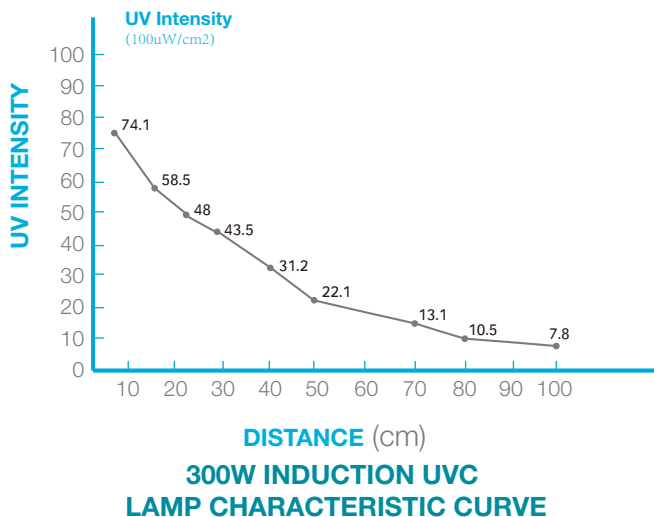
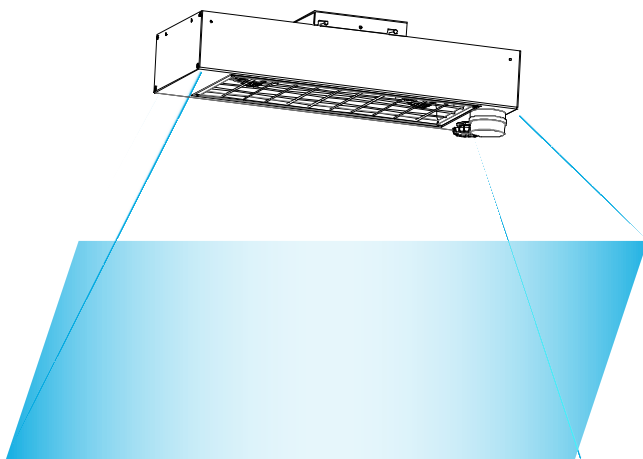
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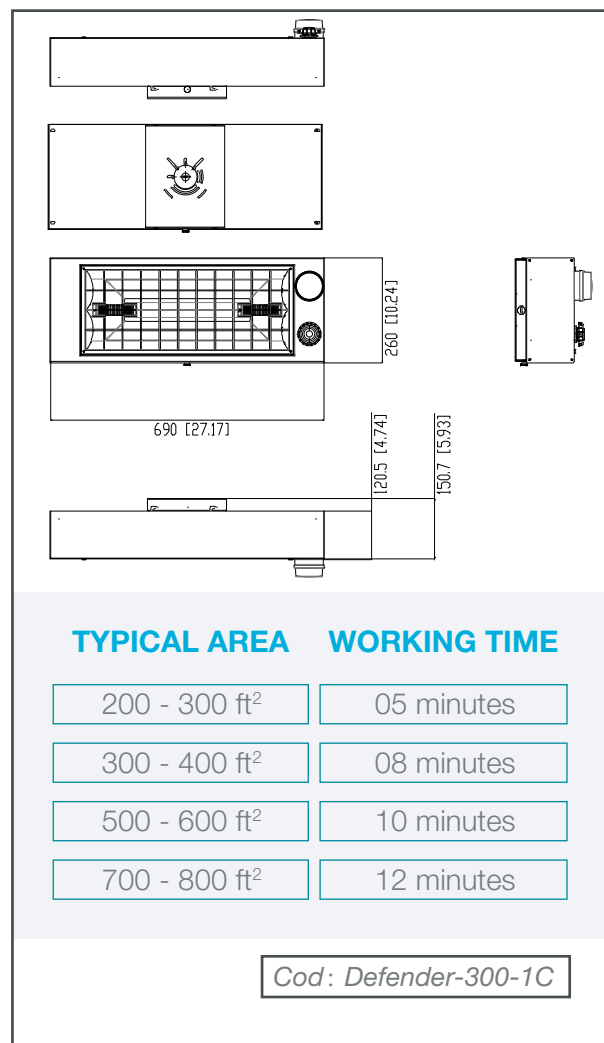


Code:Defender-300-1C

## WORKING AREA SUGGESTION



## DIMENSIONS (mm/inch)



# SUMMARY OF UV LIGHT STUDIES ON CORONAVIRUSES

MICROBE	D90 DOSE (EXPOSURE) REQUIRED	TIME NEEDED TO KILL DIFFERENT VIRUS @1 METER	SOURCE
Coronavirus	7 J/m2	1.1 S	Walker 2007
Berne virus (Coronaviridae)	7 J/m2	1.1 S	Weiss 1986
Murine Coronavirus (MHV)	15 J/m2	2.0 S	Hirano 1978
Canine Coronavirus (CCV)	29 J/m2	3.9 S	Saknimit 1988
Murine Coronavirus (MHV)	29 J/m2	3.9 S	Saknimit 1988
SARS Coronavirus CoV-P9	40 J/m2	5.5 S	Duan 2003
Murine Coronavirus (MHV)	103 J/m2	14.1 S	Liu 2003
SARS Coronavirus (Hanoi)	134 J/m2	18.3 S	Kariwa 2004
SARS Coronavirus (Urbani)	241 J/m2	33.0 S	Darnell 2004

Note: Based on EdisonReport on website: <https://edisonreport.com/confirmed-signify-uv-c-kills-sars-cov-2-the-virus-that-causes-covid-19/>  
UVC lamp will definitely result in a reduction of 99.9999% virus in very short time, also help limit the spread of Covid-19.

## ORDERING CODE DEFENDER-UVC-300W-1H-WV-21-SR

PRODUCT SERIES	TYPE	WATT	INSTALLATION	VOLTAGE	WAVELENGTH
Defender	UVC	300W	1H=hanging 1W=wall mount 1C=surface mount	WV =120-277V	2=253.7 21=253.7 & 185

## OPTION

S = on off sensor	R = Redalert
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