LED UVC DISINFECTION

LED UVC DISINFECTION

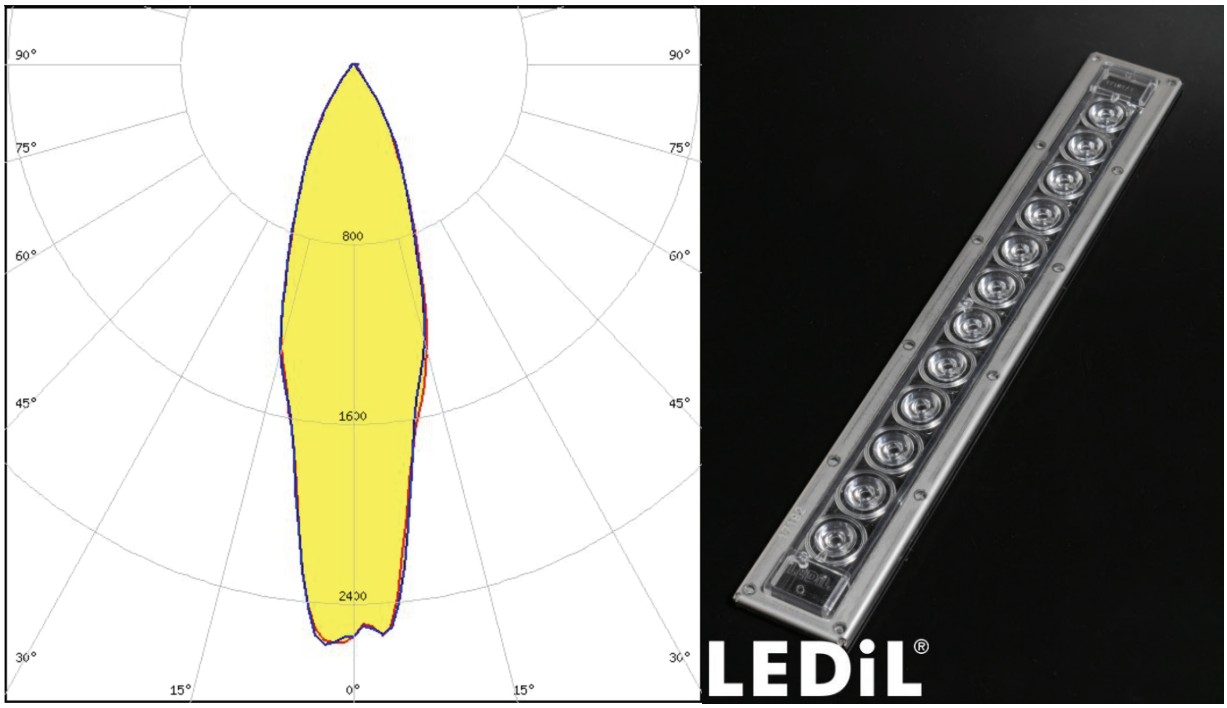
LED UVC DISINFECTION

LENS

VIOLET is the first standard silicone optic in the world designed specifically for UV-C applications. The highly resistant silicone together with stainless steel frame allows creation of ingress protected luminaries ideal for surface, air and water UV disinfection as well as for prevention of plant disease and insect infestation

VIOLET is a silicone 12-lens array made from highly resistant UV materials and is also LEDiL's first optic designed for UV-C applications.

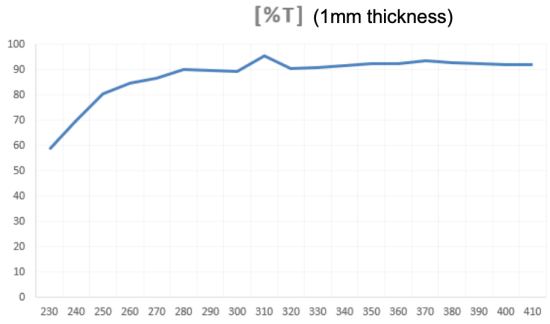
The lens array is made from a special silicone grade having high UV transmittance and is place by a sturdy stainless-steel frame. VIOLET can be used with up to 4 LED clusters* under each optical element allowing a flexible output range. It is compatible with UV LEDs from Seoul Viosys and Nichia.orem ipsum

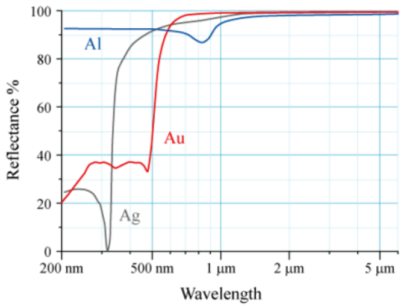


LEDiL materials for UV optics

LEDiL Silicone:
- High transmission in UV wavelengths, including UV-C
- Suitable for complex optical lens designs
- Easy to achieve ingress protection

Aluminium:
- Cost effective option
- For UV-LED clusters
- Highly reflective in all UV wavelengths





LED UVC DISINFECTION

Internal Driver

1 YEAR Warranty

Signature Designed by WIP

LED UVC DISINFECTION

Specification

UVC disinfection is a sterilization method that uses short-wavelength ultraviolet light. The lens array is made from a special silicone grade having high UV transmittance and is held in place by a sturdy stainless-steel frame(Ultraviolet C or UV-C) to kill or inhibit microorganisms by destroying nucleic acids and destroying DNA, making it impossible to perform vital functions of the cell with a wide range of applications. Such as food, air, and water purification

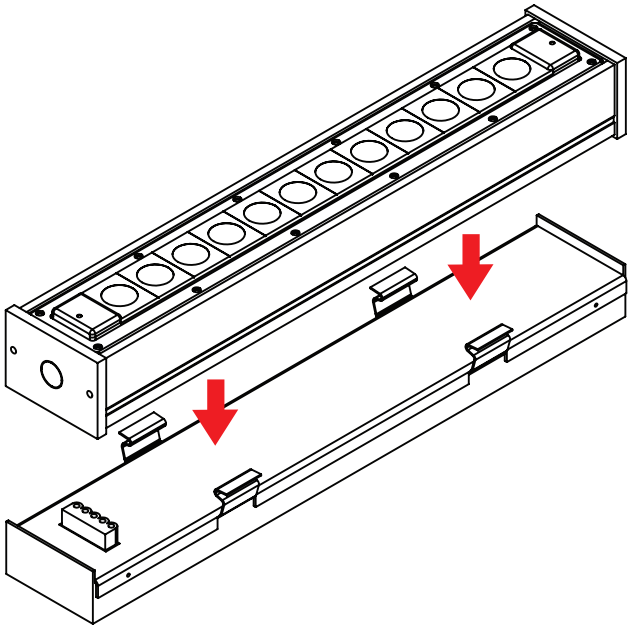
Input Voltage	100-265VAC50/60HZ.	LED Light Source	Nichia
Power Factor	>0.90	Driver	Internal Driver
Work Temperature	-0°C to 45°C	Housing Material	Aluminium Extrude
LED Life Time	25,000 hrs.	Surge Protection	1kV
Beam Angle	20°	Warranty	1 Year
Lens Material	Silicone grade for high UV transmittance		

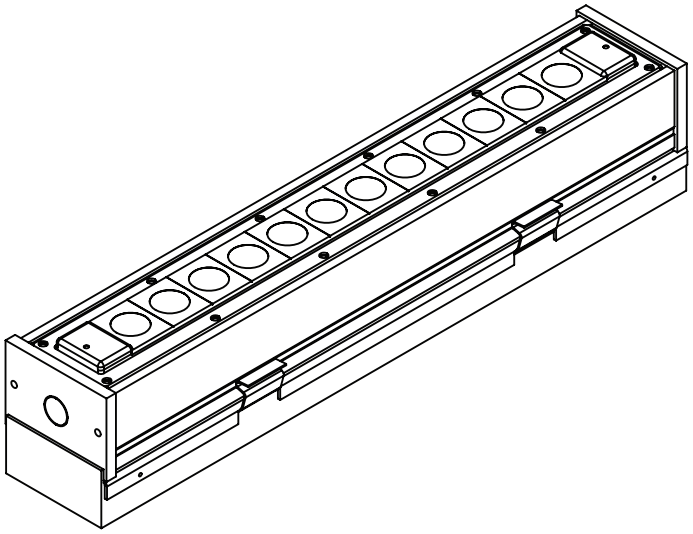
Model	Power (W)	Peak wavelength	Irradiance Flux	Time at 1 min (dose)	Working Distance	Weight (kg.)	Dimension
W-UVC-25	25	275-280 nm	0.6173 w/m^2	37.038 J/m^2	1 m.	0.4	59.8x302.8x49.2

NICHIA LEDiL TIS 1955 2551 RoHS Green Industry Products of Thailand

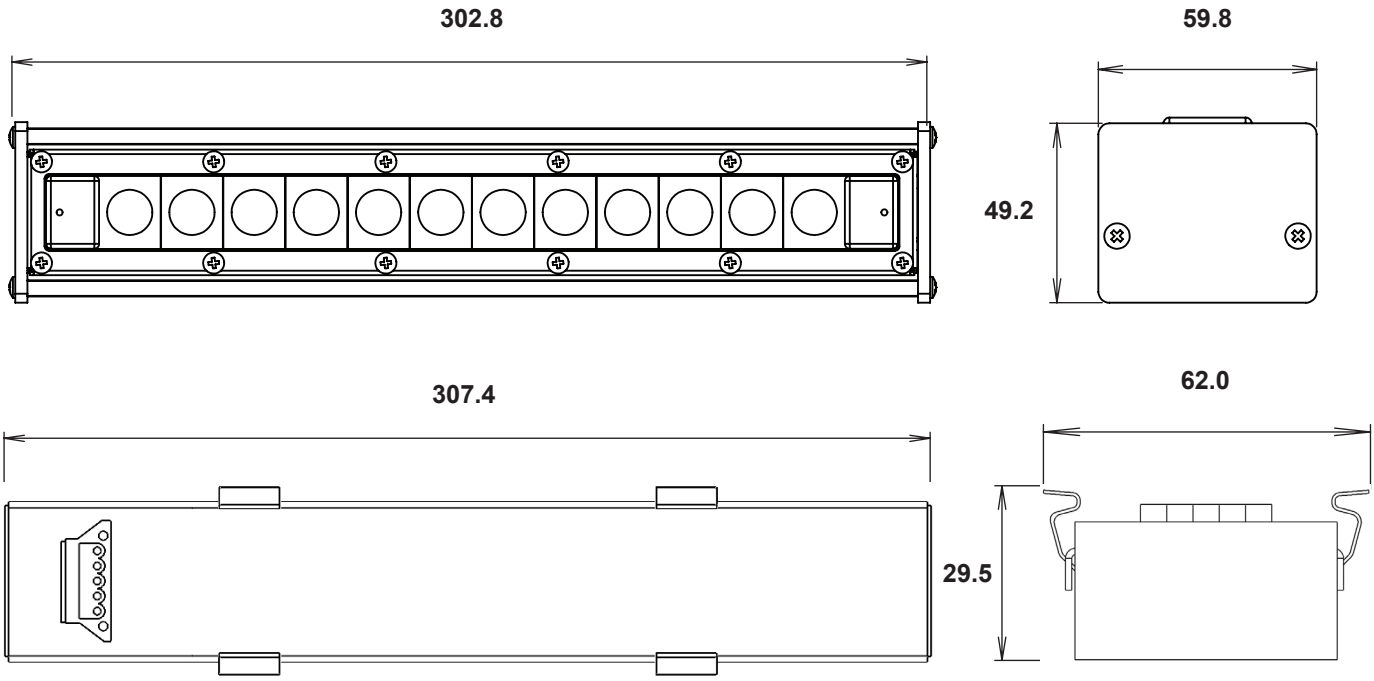
LED UVC DISINFECTION

Installation





Dimension



LED UVC DISINFECTION

External Driver

1 YEAR Warranty

Signature Designed by WIP

LED UVC DISINFECTION

Specification

UVC disinfection is a sterilization method that uses short-wavelength ultraviolet light. The lens array is made from a special silicone grade having high UV transmittance and is held in place by a sturdy stainless-steel frame(Ultraviolet C or UV-C) to kill or inhibit microorganisms by destroying nucleic acids and destroying DNA, making it impossible to perform vital functions of the cell with a wide range of applications. Such as food, air, and water purification

Input Voltage	30VDC	LED Light Source	Nichia
Work Temperature	-0°C to 45°C	Driver	External Driver
LED Life Time	25,000 hrs.	Housing Material	Aluminium Extrude
Beam Angle	20°	Warranty	1 Year
Lens Material	Silicone grade for high UV transmittance		

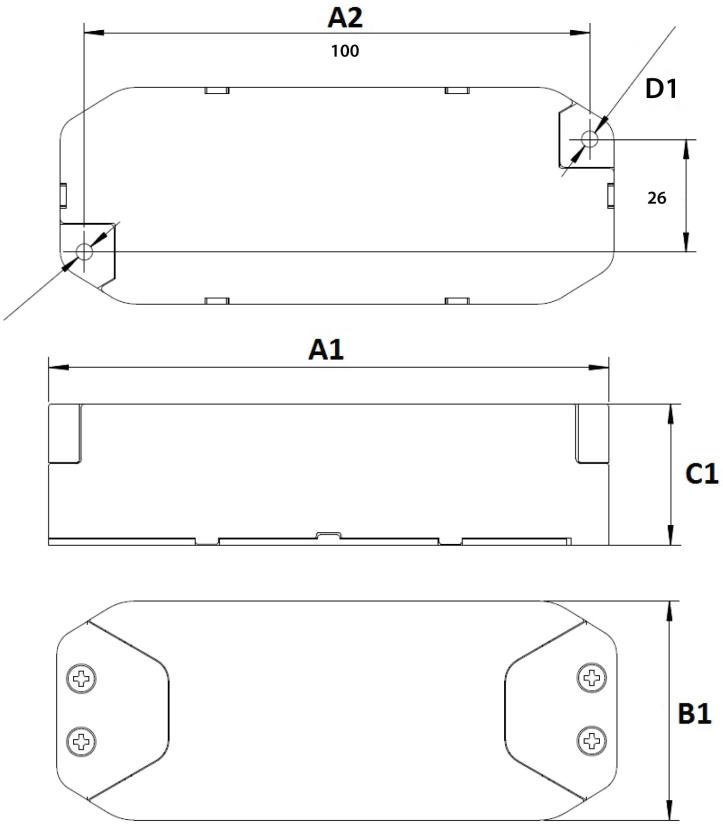
Model	Power (W)	Peak wavelength	Irradiance Flux	Time at 1 min (dose)	Working Distance	Weight (kg.)	Dimension
W-UVC-25	25	275-280 nm	0.6173 w/m^2	37.038 J/m^2	1 m.	0.445	42.2x340.27.3

NICHIA LEDiL RoHS Green Industry Products of Thailand

LED UVC DISINFECTION

Driver

Dimension



Length (A1)	120 mm.
Width (B1)	45 mm.
Higth (C1)	29 mm.
Fixing hole diameter (D1)	3.4 mm.
Fixing hole distance (A2)	100 mm.
Weight	88 g.

Dimension