



"Make Life Safer"



UV-C Germicidal ceiling Light

(NLUVTD300)



TECHNICAL FEATURES

Lamp Model	NLUVTD300
Lamp power Watt	300w
UV wavelength	UV-C 253,7nm
Static area applicable	up to 200m ²
Irradiation $\mu\text{W} / \text{cm}^2$	$\geq 1700\mu\text{W} / \text{cm}^2$
UV-C range of action up to linear meters	N/A
Auxiliary control devices (timer and timer time, human presence sensor, ignition delay and ignition delay time)	
Arm adjustment angle in degrees °	N/A - 360° disinfection
Supply voltage in volts	AC 165-265V
Absorption in Ampere	1,36A
Estimated tube life	>60000Hrs
Type of tube	Induction tube
Lamp dimensions	580mm*190mm*120mm(lamp) 218*116*59mm(ballast)
Packaging dimensions	770*350*250mm
Lamp weight	4,2Kg
Weight with packaging	6,5Kg
Frame construction material and screws	Stainless stell bracket
Operating temperature	-20° C <--> 60° C
IP dust and humidity protection degree	N/A

Disinfection with ultraviolet rays is an effective way to destroy microorganisms including bacteria, viruses, mold spores, acting on the DNA-RNA of microorganisms by irradiating with the appropriate wavelength of ultraviolet rays UV-C at 253.7nm or UV- V at 185nm with generation of Ozone gas leads to the death of the cell, after a correct exposure to rays and gases, a mortality level of virus bacteria and spores exceeds 99.9%.

These destroy the DNA molecular bonds of microorganisms, producing thymine dimers in their DNA and destroying them, rendering them harmless or impeding their growth and reproduction.

The ignition times are variable depending on the power of the lamp compared to the surface to be irradiated. The dosage is measured in microwatts per second per square centimeter: $\mu\text{W} / \text{cm}^2$. Dosages from 2 to 8 $\mu\text{W} / \text{cm}^2$ kill 99.9% of spore virus bacteria.

When the lamp is turned on in the room, there must be no human presence, animals and plants, the sterilization cycles normally last 15-30-60 minutes or more for large rooms greater than 150 m², the cycles are regulated by a timer or by a remote control depending on the model.

