NEVLIGHT
HEALTHCARE DIVISION

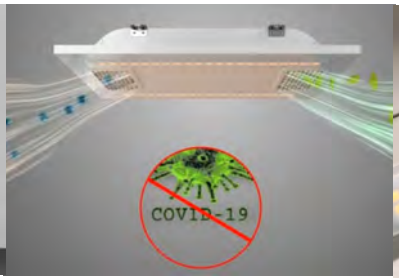
UV-C Disinfection Emitter and Systems

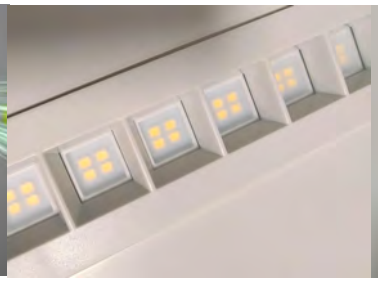
"We purify the air at the speed of light"

Air disinfection system integrated in the LED lighting fixture

TECHNICAL FEATURES	
Lamp model	NLUVAIR6060ESL
UV emitter power	11w
UV wavelength	UV-C 253.7nm
Nominal capacity of treated air	5.6 m3 per minute
Irradiation µw / cm²	≥80µw / cm²
Treated area per room H 3mt. and three air changes per hour	36 m²
Single tube power and number of tubes	11W / 1
Supply voltage in volts	AC 220-240V / 50Hz
Absorption in Ampere	1 A
Estimated tube life	> 8000 hours
Philips tube type	Fluorescent silica tube
Lamp dimensions	600 * 600 * 250mm
Lamp weight	3.6Kg
Operating temperature	-20 °C <--> 45 °C

TECHNICAL CHARACTERISTICS OF THE LIGHTING PART	
Luminaire luminous flux:	3600 lm.
Luminous efficacy:	120 lm / W
Led type:	Epistar SMD2835
Driver:	Boke dimm. 1.10v
Sic. photobiological conf. to the risk-free group:	RG0
Color rendering index:	CRI> 80
Nominal color T °:	4000K. (3000K 5700K) OPT.
Power factor:	> 0.95
Appliance power:	30W
Protection:	IP20 / IK03
Certificates:	CE - RoHS - LVD - SAA - CB





Recessed luminaire for air disinfection with 11W Philips UV-C germicidal emitter, suitable for sterilizing air in the installation rooms. It has a lamp life greater than 8000 hours. Net weight of Kg. 3,6. In a room of 36 square meters and three meters high, it purifies the total amount of air in the room three times in an hour, disinfecting and eliminating the bacterial load.
Disinfection with ultraviolet rays is an effective way to destroy microorganisms including bacteria, viruses, mold spores, by acting on the DNA-RNA of the microorganisms. Irradiating with the appropriate wavelength leads to the death of the cell, after a correct exposure to the rays a mortality level of bacteria, viruses and spores exceeding 99.9% is reached.
These destroy the molecular bonds in the DNA of microorganisms, producing thymine dimers in their DNA and destroying them, rendering them harmless or preventing their growth and reproduction.

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