

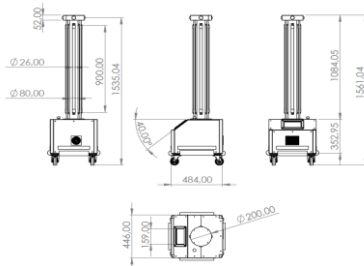
I + D + i LIGHTING DEPARTMENT

UVC DISINFECTION ROBOT



**PROEMISA**  
UVC DISINFECTION LIGHTING

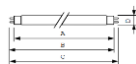
**Measures**



**PROEMISA Design**

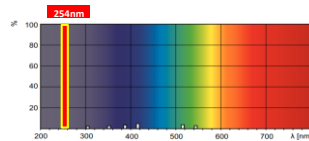


**Lamp Measures**



Product	D (max)	A (max)	B (max)	B (min)	C (max)
TUV 55W HO 15L/6	28 mm	894.6 mm	901.7 mm	899.3 mm	908.8 mm

**Photometric Data UVC**



**Warning**



**CONFIDENTIAL**

\*DESIGNED BY PROEMISA COMPANY (CUSTOM DESIGN)

\*Photographs might not correspond exactly with real product. They can differ in minor details.

**8. Warranty**

Ballast	3 Years Warranty
UV-C Tube	
Electronic Components	1 Years Warranty
Ozone Generator	



**1. General Information**

Product Type	UVC DISINFECTION ROBOT
Main Characteristic	Manual Robot UVC Disinfection
Lamps Position	Vertical, Inside the Housing
Protecting Cover	Yes [UNE-EN 60081:1999]
Energy Efficiency Class	A [EU Regulation 874/2012]
Touch Screen	Yes
Minimum level of wifi connection	<b>WiFi</b> 55%-60%
IP Protection	20
Product Color	RAL9010
Approximate Total Weight (Kg)	22
CE Certificate Compliance & Additional Requirements	UNE-EN 60335-2-65:2005, Purificadores de aire. UNE-EN 60335-2-65:2005/A1:2008 UNE-EN 60335-2-65:2005/A11:2013 PNE-EN 60335-2-65:2003/FprAA1 PNE-EN 60335-2-65:2003/FprA21 UNE-EN ISO 15858:2017, exposición humana. UNE-EN 62471:2009, Seguridad fotobiológica.
Working temperature range (°C)	-20 to 50
Main Application	360° Disinfection
Level disinfection	Superficial (Disinfects where the light beam falls)
Disinfection Surface	25m <sup>2</sup> -50m <sup>2</sup>
Disinfection Percentage	99,99% (Laboratory checked)
Disinfection Time	5'-40' (Minutes)
Additional Characteristics	Material: Die cast Aluminum Driver Position: Inside attached to the chassis Electronical & control: Inside attached to the chassis

**2. Electrical Information**

Rated Power (W)	320	± 10 % tolerance
Power Factor	>0,9	
Rated Voltage (V)	220-240 AC	
Current (mA)	1550	
Working Frequency (Hz)	50	
Driver type	DC	[EN61347-1]
Luminaire Class	I	[EN60598-1]
PHILIPS Driver Model	4x HF-P 154/155 TLS HO/PL-L III IDC	
Ozone Generator	1x 65W	
Electronic	20W	± 5 % tolerance

**3. Lighting and Photometric Information (Air and water purification)**

Colour Code	TUV	± 5 % tolerance
Indoor RA	≥80	[EU Regulation 1194/2012]
Viewing Angle (°)	360	
Power Radiation	17,5W x 4 Tube = 70W	
Weighted energy consumption (kWh/1000h)	320	
Luminaire classification according to CIE	100	
CIE Flux Code	41 70 88 86 100	
Bushing Base	G13 Medium Bi-pin Fluorescent	
System Description	High Luminous Flux System (HO)	
Mercury content (Hg)	2.0 mg	
Material Lamp	Glass	
PHILIPS Lamp Model	TUV 55W HO 15L/6	

**4. Additional Technical Information**

Life (hours)	9000	
On/Off Switching Cycles before failure	≥15000	[EU Regulation 1194/2012]
Starting time (s)	<0,5	[EU Regulation 1194/2012]
Warm-up time to 95% of flux (s)	<2	[EU Regulation 1194/2012]
Premature failure rate	≤5% at 1000 h	[EU Regulation 1194/2012]
Survival Factor at 6000 h	≥0,90	[EU Regulation 1194/2012]
Lumen maintenance at 6000 h	≥0,80	[EU Regulation 1194/2012]
Color consistency	Chromaticity coordinates within a 6-step MacAdam ellipse or less [EU Regulation 1194/2012]	

**5. Ozone Generator**

Purification with 65W Fan	50m <sup>3</sup> in 20' / 100m <sup>3</sup> in 40' / 150m <sup>3</sup> in 60'
Ozone production	100 m <sup>3</sup> /h 5,000 mg/h

**6. Accesories Included**

Display control & Wireless connection	Yes
UV-C Tube	Yes
Volumetric sensors	Yes
Robot control IP by wireless acces	Yes
Ozone Generator	Default or optional
Autonomous robot	Optional
Flow Fan	Optional

**7. Security Measures**

- 1- Human Presence Sensor
- 2- Emergency STOP Button
- 3- Wireless Control

**9. Warning - 254nm UVC Radiation & Biohazard**

- High frequency radiation (254nm) has a strong bactericidal and germicidal effect.
- It has a high photobiological risk so it can cause serious burns to the skin and eyes.
- Proemisa UVC Cleaning Surface does not work as a lamp, it works as a disinfection product.
- This product meets the **UNE0068** standard that defines the safety requirements for their use.
- Proemisa UVC cleaning-disinfection lamp contains protection measures that respect health and animals' health and safety, and it also guarantee quality and compliance with electrical engineering standards.
- Exposure to and inhalation of O<sub>3</sub> is dangerous for human and animal health.
- For your safety, disinfected area must be ventilate for a minimum period of 2 hours.
- Automatic shutdown due to inactivity ( 15 minutes )

