
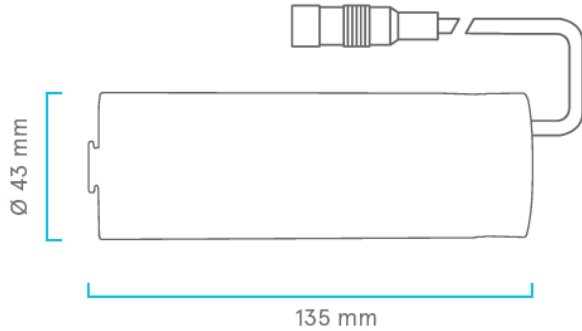





FILE TDS 820478 UVC LIGHT V1

DATE 02/02/2024

1. IDENTIFICATION	
NAME	UV LED EQUIPMENT
CODE	820478
VISUAL IDENTIFICATION	
2. MAIN FEATURES	
MAIN FUNCTION	BACTERICIDAL. BACTERIA RATE REDUCTION USING UV-C RADIATION
MAIN MATERIAL	PP , SUS 304
INLET VOLTAGE	100V-240V 50/60Hz 1A
OUTLET VOLTAGE / POWER	24Vdc 1 A / 24W
WORKING WATER TEMPERATURE RANGE	5-38°C
MAX WORKING PRESSURE	0,4 MPa
WATER CONNECTIONS	FEMALE 3/8" QUICK CONNECTOR
DIMMENSIONS	

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<p>STATUS WARNING</p>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>STATUS RING OFF STAND BY UVC-LED OFF WATER DOESN'T FLOW</p> </div> <div style="text-align: center;">  <p>STATUS RING ON WORKING PROPERLY UVC-LED ON WATER IS FLOWING</p> </div> <div style="text-align: center;">  <p>STATUS RING BLINKING FAIL</p> </div> </div>				
<p>FLOW RATE</p>	<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;">FILTERED WATER</td> <td style="width: 50%;">OSMOTIZED WATER</td> </tr> <tr> <td>2 L/min</td> <td>4 L/ min</td> </tr> </table>	FILTERED WATER	OSMOTIZED WATER	2 L/min	4 L/ min
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2 L/min	4 L/ min				
<p>BACTERICIDAL RATE UVC-DOSIS</p>	<p style="text-align: center;">TEST 1</p> <p>Water Flow = 3 lpm; Low light transmittance (dirty water for bacterial culture).</p> <p>Bacteria count at 36°C reduction: 99.979 % Coliforms reduction: 99.9997 % E. Coli reduction: 99.9997 %</p> <p>DOSIS: 27 mJ/cm2 according previous test conditions and https://www.lenntech.es/biblioteca/-uv.htm</p> <p>DOSIS will be higher if better light transmittance (clean water) or lower water flow.</p> <p style="text-align: center;">TEST 2</p> <p>Water Flow = 4 lpm; Low light transmittance (dirty water for bacterial culture).</p> <p>Initial Pseudomonas concentration between 140 to 530 ufc/100ml</p> <p>Pseudomonas reduction: 100 %</p>				
<p>UVC- LED SPAN LIFE</p>	<p style="text-align: center;">> 2000 h (LED ON)</p>				
<p>LIGHT/FLOW CONTROL</p>	<p style="text-align: center;">INTEGRATED FLOW SWITCH TO CONTROL WATER FLOW AND SWITCHING THE UVC LIGHT ON AND OFF.</p>				
<p>UVC-POWER</p>	<p style="text-align: center;">10 W</p>				
<p>WATER-PROOF GRADE</p>	<p style="text-align: center;">IPX7</p>				

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3. INSTALLATION

It must be installed just before the faucet or dispensing valve as a last water treatment step.

