

# TEST REPORT

|                       |                                  |
|-----------------------|----------------------------------|
| <b>Model</b>          | <b>UNDERWATER LED POOL LIGHT</b> |
| <b>Manufacture by</b> | <b>AQUA</b>                      |
| <b>Test Category</b>  | Electrical & quality analysis    |
| <b>Models</b>         | <b>28870-W / 28870-WW</b>        |

## DIRECTIONS

**Product:** Recessed spot LED pool light AC/DC**Place of Testing:** Aqua Quality Control Center

Date: Periodic re-testing is carried out annually in January to verify continued compliance

## APPLICABLE STANDARDS

**Standards:** IEC 60598-2-18 / IEC 60598-1 / IEC 62031 / IEC TR 62778 / IEC 62493 / CE / RoHS

## PRODUCT SPECIFICATION

| <b>Parameter</b>  | <b>28870-W</b> | <b>28870-WW</b> |
|-------------------|----------------|-----------------|
| Rated Voltage     | 12 V           | 12 V            |
| Frequency         | 50/60 Hz       | 50/60 Hz        |
| Rated Power       | 3 W            | 3 W             |
| Protection        | IP68           | IP68            |
| Material          | AISI316 SS     | AISI316 SS      |
| Beam Angle        | 45°            | 45°             |
| Color Temperature | 6000-6500 K    | 2600-3000 K     |
| Lumens            | 189            | 204             |
| Operating Temp.   | -20 to +45°C   | -20 to +45°C    |

## **VISUAL INSPECTION**

| Inspection Item         | Result |
|-------------------------|--------|
| Stainless Steel Housing | PASS   |
| Front Glass             | PASS   |
| LED Module              | PASS   |
| Silicone Seal           | PASS   |
| Cable Entry             | PASS   |
| Product Marking         | PASS   |
| General Finish          | PASS   |

## **DIMENSIONAL VERIFICATION**

| Inspection Item   | Result |
|-------------------|--------|
| Outside Diameter  | PASS   |
| Body Depth        | PASS   |
| Mounting Diameter | PASS   |
| Front Thickness   | PASS   |
| Cable Length      | PASS   |

## **ELECTRICAL VERIFICATION**

| Inspection Item | Result |
|-----------------|--------|
| Rated Voltage   | PASS   |
| Frequency       | PASS   |
| Rated Power     | PASS   |
| Current         | PASS   |
| LED Operation   | PASS   |

## **FUNCTIONAL INSPECTION**

| Inspection Item          | Result |
|--------------------------|--------|
| LED Illumination         | PASS   |
| White Light Output       | PASS   |
| Warm White Output        | PASS   |
| RGB Color Change         | PASS   |
| Water Tightness (Visual) | PASS   |
| Cable Integrity          | PASS   |
| Mechanical Assembly      | PASS   |
| Protection Rating – IP68 | PASS   |

## **PACKING INSPECTION**

| Inspection Item     | Result |
|---------------------|--------|
| Product Label       | PASS   |
| User Manual         | PASS   |
| Accessories         | PASS   |
| Packaging Condition | PASS   |
| Quantity            | PASS   |

**Conclusion:** The above underwater LED pool light have been inspected and tested in accordance with the manufacturer's standard quality control procedures. The products comply with the applicable technical requirements and are approved for dispatch.

Result: **PASS.**

**Authorized Signature and Company Stamp**

**AQUA SpA**  
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