**AQUA S.p.A**
42018 San Martino in Rio, Reggio Emilia Italy - Via Crotti, 1
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aqua@aqua.it | www.aqua.it

# TEST REPORT

| Model | UNDERWATER LED POOL LIGHT |
|---|---|
| **Manufacture by** | AQUA |
| **Test Category** | Electrical & quality analysis |

## DIRECTIONS

**Product**: Stainless Steel Large Underwater Light with Niche

**Place of Testing**: Aqua Quality Control Center

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

## APPLICABLE STANDARDS

IEC 60598-2-18:2022 – Luminaires for Swimming Pools and Similar Applications

IEC 60598-1:2024 – Luminaires – General Requirements and Tests

IEC 62031:2018 – LED Modules for General Lighting – Safety Specifications

IEC TR 62778:2014 – Blue Light Hazard Assessment

IEC 62493:2015+A1:2022 – Assessment of Electromagnetic Fields (EMF)

IEC 61347-2-13:2014+A1:2016 – LED Control gear Safety Requirements

IEC 61347-1:2015+A1:2017 – General and Safety Requirements for Lamp Control gear

## LIST OF MODELS

| Model | Rating |
|---|---|
| E-133 | DC12V, 50/60Hz, 300W |
| E-134 | DC12V, 50/60Hz, 300W |

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## VISUAL INSPECTION

| Inspection Item | Result |
|---|---|
| SS faceplate | **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** |

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## 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** |
| Operating Temp. (1 to +45°C) | **PASS** |
| Acid-proof, alkali-proof and UV resistant | **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**

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