AQUA S.p.A
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TEST REPORT

Model	UNDERWATER LED POOL LIGHT
Manufacture by	AQUA
Test Category	Electrical & quality analysis
Models	**AQ-050-W / AQ-050-WW / AQ-050-RGB**

DIRECTIONS

Product: Ultra-thin resin filled wall mounted LED underwater lights 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

Parameter	AQ-050-W	AQ-050-WW	AQ-050-RGB
Rated Voltage	12 V	12 V	12 V
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Rated Power	18 W	18 W	18 W
Protection	IP68	IP68	IP68
Material	AISI316 SS	AISI316 SS	AISI316 SS
Beam Angle	120°	120°	120°
Color Temperature	6000-6500 K	2600-3000 K	RGB
Lumens	1441	1075	704
Operating Temp.	-20 to +45°C	-20 to +45°C	-20 to +45°C

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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**

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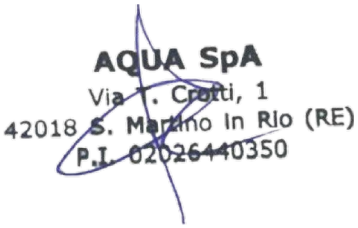
FUNCTIONAL INSPECTION

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**

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