

TEST REPORT

Model	UNDERWATER LED POOL LIGHT
Manufacture by	AQUA
Test Category	Electrical & quality analysis
Models	AQ-031-W / AQ-031-WW / AQ-031-RGB

DIRECTIONS

Product: Recessed LED pool light with lens 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

Parameter	AQ-031-W	AQ-031-WW	AQ-031-RGB
Rated Voltage	12 V	12 V	12 V
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Rated Power	25 W	25 W	25 W
Protection	IP68	IP68	IP68
Material	AISI316 SS	AISI316 SS	AISI316 SS
Beam Angle	60°	60°	60°
Color Temperature	6000-6500 K	2600-3000 K	RGB
Lumens	1580	1147	887
Operating Temp.	-20 to +45°C	-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

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