
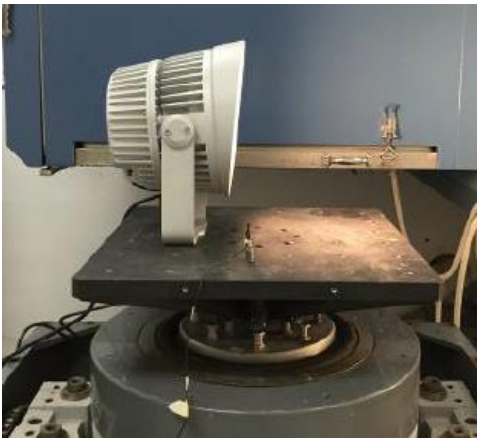





Product verification and reliability report


Product: Exterior Wash series

Date: 2017-13-11



Test performed	Condition	Duration	Test lab	Result
Solar Radiation and Moist Test Verification - method for exposing fixture to UV light in the presence of moisture to reproduce the weathering effects (temperature, humidity and/or wetting)	ISO 4892-2, cyclic no. 1, 102 mins. dry, 18 mins. water spray	2500 hour	Velux	Pass
IK Class Test Verification – Protection against external mechanical impacts 	EN62262, IK-08	NA	AGC Lab	Pass
Application Vibration Test Verification 	NTM-M104 /IEC 60068-2-6, 1.0g, X, Y & Z direction NTM-M203 Random /IEC 60068-2-64, Random vibration. 0,7g RMS,5-100 Hz, X, Y & Z direction	3 x 30 mins. 3 x 30 mins.	AGC Lab	Pass
Cyclic Temperature Test Verification	-20°C to +55°C	30 cycles	Martin	Pass

<p>IP Class Test Verification - protection against intrusion of dust and water</p> 	IP 66, EN60529	8h /3 mins.	AGC Lab	Pass
<p>Salt fog Test Verification - corrosion resistance of materials and surface coatings</p> 	ASTM-B117, 5% NaCl, T=35°C / ISO12944, C5-M, Medium durability	1440 hours	AGC Lab / Martin Professional	Pass
<p>Surge / Transient Test Verification- surge immunity from power switches and lightning</p> 	EN61000-4-5 / Class 4, 4kV, EN61000-4-4 / Level 4, 4kV	NA	EST Lab	Pass
<p>Packing drop Test Verification</p>	ISTA 1A, 10 drops, height 460 mm to 760 mm.	NA	Martin Professional	Pass
<p>Windload – Simulation</p>	IEC/ EN60598-2-5, 5.6.5, static load simulating 41 m/sec wind force without	NA	Intertek	Pass

	causing failure or permanent set to mounting bracket. Exterior Wash 200 Series tested to 60 m/sec			
Product Lifetime testing 	Indoor Ta 40° and outdoor, full LED Output	24h/day > 6000h elapsed	Martin Professional	Pass

Bo A. Poulsen

Report prepared and verified by: Bo Horsted Poulsen, Senior Quality Engineer
 Department: Martin Professional, R&D QA
 Date: 13-11-2017
 Revision: 03