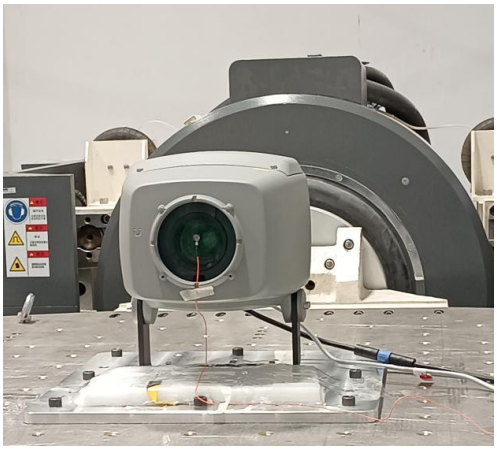
Product verification and reliability report

Product: Exterior Projection Pro Compact

Date: 2025-03-20



Test performed	Condition	Duration	Test lab	Result
IK Class Test -Verification of protection against external mechanical impacts 	EN62262, IK-08	N/A	LCS Testing	Pass
Application Vibration Test -Verification of protection against transportation and installation vibration 	1) IEC60068-2-6, Sinusoidal vibration. 3 directions. 2) IEC60068-2-64, Random vibration. ½ hours. 3 directions 3) ANSI C136-31 ((Bridge & Overpass Applications) Fixture powered during test.	3 x 30 mins @resonance frequence (or 30Hz) 3 x 30 mins. 100,000 cycles @resonance frequence (or 30Hz)	Martin Professional	Pass

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Wind load Test - Wind load simulation 	Tested according to EN60598-2-5, 5.6.5 Static load simulating 60 m/sec. (216 km/h) wind force without causing failure or permanent set to mount bracket	10 mins.	Martin Professional	Pass
Thermal Test - -30 °C to +50 °C during operation 	Designed and tested to ambient temperature Ta (min/max): -30 °C to +50 °C	N/A	Martin Professional	Pass
IP Class Test - Verification of protection against intrusion of dust and water 	IP66 according to IEC/EN60529	N/A	NTEK	Pass

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Salt Mist Test - corrosion resistance of materials and surface coatings 	Neutral Salt Spray test, 5%, 35°C, ASTM B117/ ISO 9227, EN 12944-6, C5-H	1440 hours	Martin Professional	
Solar Radiation and Moist Test – Method for exposing fixture or components 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 hours	Martin Professional	Pass

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Surge / Transient Test -Surge immunity from power switches and lightning. 	EN61000-4-5 / Class 4, 4kV	N/A	Guangzhou Quality Supervision and Testing Institute	Pass
Packing Test - Verification of products and packing strength 	ISTA-6A FedEx - International Shipment	N/A	NTEK	Pass
Product Lifetime testing (after 6000h) - Verification of product lifetime in the outdoor environment 	Indoor: All effects running, Ta +30° C Outdoor: All effects running, Ta +5° to +40° depending on season.	21h/day	Martin Professional	Long-term test

Report prepared and verified by:	Kevin, Guo
Department:	Martin Professional, R&D Engineering Test & Validation
Date:	2025-03-20
Revision:	1.1

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