
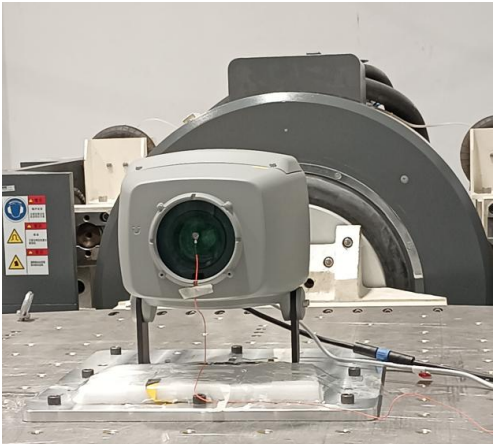





Product verification and reliability report

Product: Exterior Projection Pro Compact

Date: 2026-04-10



Test performed	Condition	Duration	Test lab	Result
<p>IK Class Test -Verification of protection against external mechanical impacts</p> 	<p>EN62262, IK-08</p>	<p>N/A</p>	<p>LCS Testing</p>	<p>Pass</p>
<p>Application Vibration Test -Verification of protection against transportation and installation vibration</p> 	<p>1) IEC60068-2-6, Sinusoidal vibration. 3 directions.</p> <p>2) IEC60068-2-64, Random vibration. ½ hours. 3 directions</p> <p>3) ANSI C136-31-2023 (Bridge & Overpass Applications 3G)</p> <p>Fixture powered during test.</p>	<p>3 x 30 mins @resonance frequency (or 30Hz)</p> <p>3 x 30 mins.</p> <p>100,000 cycles @resonance frequency (or 30Hz)</p>	<p>Martin Professional</p>	<p>Pass</p>

<p>Wind load Test - Wind load simulation</p> 	<p>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</p>	<p>10 mins.</p>	<p>Martin Professional</p>	<p>Pass</p>
<p>Thermal Test - -30 °C to +50 °C during operation</p> 	<p>Designed and tested to ambient temperature Ta (min/max): -30 °C to +50 °C (Above specified temperature range, the fixture regulates output to protect from overheating)</p>	<p>N/A</p>	<p>Martin Professional</p>	<p>Pass</p>
<p>IP Class Test - Verification of protection against intrusion of dust and water</p> 	<p>IP66 according to IEC/EN60529</p>	<p>N/A</p>	<p>NTEK</p>	<p>Pass</p>

<p>Salt Mist Test - corrosion resistance of materials and surface coatings</p> 	<p>Neutral Salt Spray test, 5%, 35°C, ASTM B117/ ISO 9227, EN 12944-6, C5-H</p>	<p>1440 hours</p>	<p>Martin Professional</p>	<p>Pass</p>
<p>Prohesion, Sulphur and Chlorine test - Verification of product robustness against Chlorine and Sulphur after Prohesion test.</p> 	<p>Prohesion: ASTM G85-19: Standard practice for Modified Salt Spray (Fog) Testing, Annex A5</p> <p>Sulphur and Chlorine: Gas exposure test with 0.01% Chlorine and 0.5% Sulphur</p>	<p>6 hours ½ hour 6 hours</p>	<p>Danfoss</p>	<p>Pass</p>

<p>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)</p> 	<p>ISO 4892-2, cyclic no. 1, 102 mins. dry, 18 mins. water spray.</p>	<p>2500 hours</p>	<p>Martin Professional</p>	<p>Pass</p>
<p>Surge / Transient Test -Surge immunity from power switches and lightning.</p> 	<p>EN61000-4-5 / Class 4, 4kV</p>	<p>N/A</p>	<p>Guangzhou Quality Supervision and Testing Institute</p>	<p>Pass</p>
<p>Packing Test - Verification of products and packing strength</p> 	<p>ISTA-6A FedEx - International Shipment</p>	<p>N/A</p>	<p>NTEK</p>	<p>Pass</p>

Product Lifetime testing - Verification of product lifetime in the outdoor environment



Power on in the outdoor weather with permanent power 24*7 schemes and power on/off cycle schemes

10000 hours

Martin Professional

Long-term test

Report prepared and verified by:

Kevin, Guo

Department:

Martin Professional, R&D Engineering Test & Validation

Date:

2026-04-10

Revision:

1.4