

Product Verification and Reliability Report






Product Name:

MAC Aura Raven XIP







Test Performed	Test Picture	Test Duration	Test Lab	Test Result
<p>Thermal test</p> <p>Designed and tested to ambient temperature Ta (min/max): -10°C to +40 °C</p> <p>To verify the lifetime of each component at operation temperature range</p>		8h	Martin Professional	Pass
<p>Operation Temperature Test</p> <p>According to IEC 60068-2-1&2</p> <p>To verify the full functionality and performance at operation temperature range (-10°C to +40 °C)</p>		2 x 24h	Martin Professional	Pass


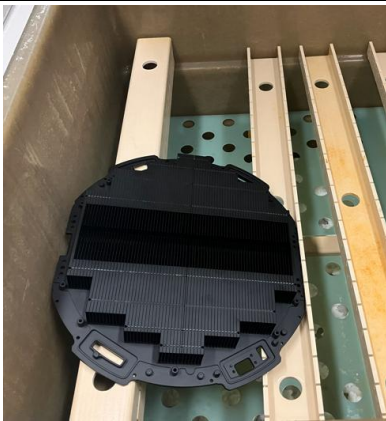


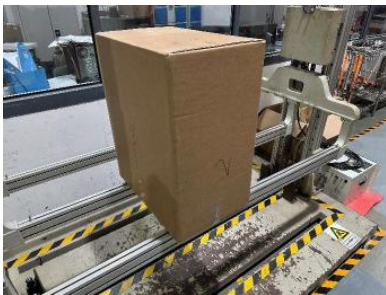
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<p>Damp heat, cyclic test</p> <p>According to IEC 60068-2-30 with high temperature and humidity To verify the suitability of product for use, transportation and storage under conditions of high humidity combined with cyclic temperature changes, producing condensation on the surface especially for the electrical component</p>		<p>6 days</p>	<p>Martin Professional</p>	<p>Pass</p>
<p>Mechanical endurance test</p> <p>Accelerated lifetime verification of mechanical features such as PAN/TILT and Zoom, cooling system</p>		<p>Approx. 8 months</p>	<p>Martin Professional</p>	<p>Pass</p>
<p>Lifetime test (Indoor & Outdoor)</p> <p>Performed at indoor (Ta 25°C) and outdoor environment, covered all functionalities as many as possible Indoor: Started from May 2025 Outdoor: Started from Jan 2025</p>		<p>24h/day</p>	<p>Martin Professional</p>	<p>Ongoing</p>
<p>Light output maintenance test</p> <p>Performed at indoor environment (Ta 25°C) with 100% intensity To verify the actual lumen drop of product during the lifetime Started from Nov 2024</p>		<p>24h/day</p>	<p>Martin Professional</p>	<p>Ongoing</p>
<p>Application Vibration test - Both transportation and installation</p> <p>Martin Test Specification Transportation: Fixture not powered during test Installation: Fixture powered during test</p>		<p>8h</p>	<p>Martin Professional</p>	<p>Pass</p>

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<p>Hanger test</p> <p>According to UL 1573-4, Static loading at each mounting orientation</p>		<p>1h</p>	<p>Martin Professional</p>	<p>Pass</p>
<p>Safety Wire test</p> <p>To verify the robustness of safety wire by withstanding dynamic forces caused by real falls of product</p>		<p>N/A</p>	<p>Martin Professional</p>	<p>Pass</p>
<p>Degrees of Enclosure Protection IPX4</p> <p>According to IEC 60529 To verify the degree of protection against water</p>		<p>20mins</p>	<p>Martin Professional & Intertek</p>	<p>Pass</p>
<p>Degrees of Enclosure Protection IP5X</p> <p>According to IEC 60529 To verify the degree of protection against dust and solid objects</p>		<p>4h</p>	<p>Martin Professional & Intertek</p>	<p>Pass</p>

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<p>UL Rain test</p> <p>According to UL 1573 To verify the suitability of product intended for use in wet locations</p>		<p>4h</p>	<p>Martin Professional & Intertek</p>	<p>Pass</p>
<p>Salt mist test</p> <p>According to IEC 60068-2-52 Salt spray & Damp heat storage To verify the ability of product resistance to salt corrosion</p>		<p>72h</p>	<p>Martin Professional</p>	<p>Pass</p>
<p>Solar Radiation and Moist Test</p> <p>According to ISO 4892-2 Dry hot & Water spray To verify the ability of product resistance to the solar radiation</p>		<p>1000h</p>	<p>Martin Professional</p>	<p>Pass</p>
<p>Surge / Transient Test</p> <p>EN61000-4-5:2014+A1:2017</p>		<p>NA</p>	<p>Martin & SGS</p>	<p>Pass</p>
<p>Package drop test</p> <p>According to ISTA-6A Free fall drop</p>		<p>N/A</p>	<p>Martin Professional</p>	<p>Pass</p>

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