



Product verification and reliability report


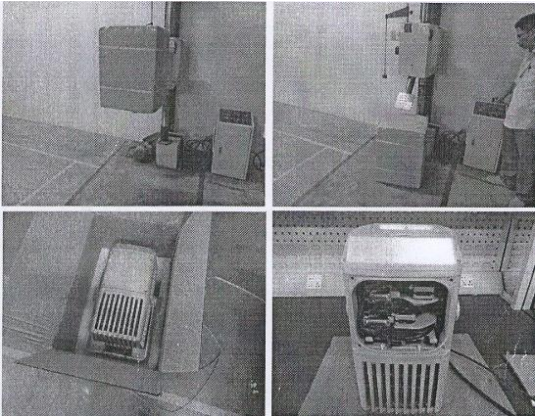

Product: Exterior Projection 500

Date: 2018-01-12



Test performed	Condition	Duration	Test lab	Result
IK Class Test – Protection against external mechanical impacts 	EN62262, IK-08	NA	Intertek	Pass
Application Vibration Test Verification 	Sinusoidal vibration test acc. to IEC 60068-2-6, dwell at 30 Hz, 1g (RMS) in X, Y & Z direction Random vibration acc. to IEC 60068-2-64. 0,7g at 3 -> 100 Hz (RMS) Fixture powered during test.	3 x 30 mins. 3 x 30 mins.	Intertek	Pass

<p>Windload – 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 mounting bracket</p>	<p>10 mins.</p>	<p>Intertek</p>	<p>Pass</p>
<p>Thermal test</p>	<p>Designed and tested to ambient temperature Ta (min/max): -30 °C to +45 °C The fixture is able to start up from unpowered at -20 °C</p>		<p>Martin Professional</p>	<p>Pass</p>
<p>IP Class Test Verification - protection against intrusion of dust and water</p>	<p>IP66 according to IEC/EN60529</p>	<p>8h /3 mins.</p>	<p>Intertek</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-M, Medium durability</p>	<p>1350 hours</p>	<p>Intertek</p>	<p>Pass</p>
<p>Surge / Transient Test</p> <p>Surge immunity from power switches and lightning.</p>	<p>EN61000-4-5 / Class 4, 4kV, EN61000-4-4 / Level 3, 2kV</p>	<p>NA</p>	<p>Intertek</p>	<p>Pass</p>

<p style="text-align: center;">SURGE Immunity</p> 				
<p>Packing drop Test Verification</p> 	<p>ISTA 3A</p>	<p>NA</p>	<p>Martin Professional</p>	<p>Pass</p>
<p>Product Lifetime testing</p> 	<p>Indoor: All effects running, Ta +45° C</p> <p>Outdoor: All effects running, Ta +5° to +40° depending on season, 4h artificial shower/day</p>	<p>20h/day</p> <p>6000h elapsed</p>	<p>Martin Professional</p>	<p>Pass</p>

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Report prepared and verified by:

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Department:

Martin Professional, R&D QA

Date:

2018-01-12

Revision:

02