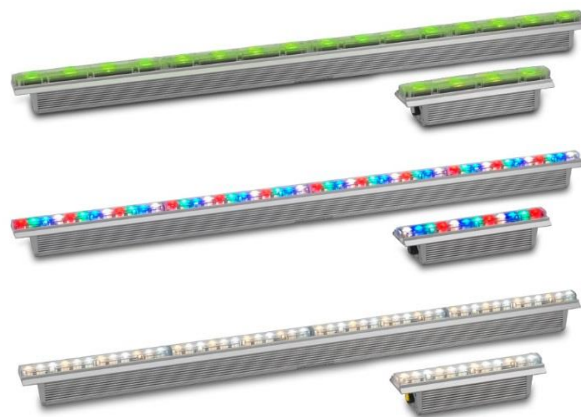




Product verification and reliability report


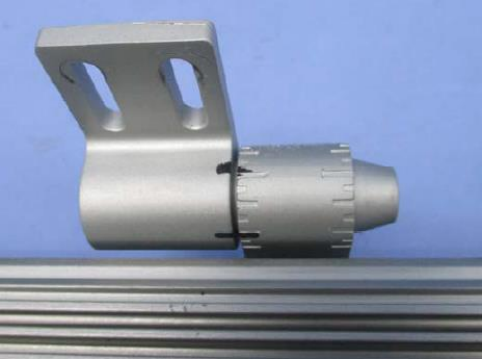
Product: Exterior Linear series

Date: 13-03-2018



Test performed	Condition	Duration	Test lab	Result
<p>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)</p> 	ISO 4892-2, cyclic no. 1, 102 min. dry, 18 min. water spray	2500 hour	Velux	Pass
<p>IK Class Test Verification – Protection against external mechanical impacts</p> 	EN62262, IK-08	NA	Intertek	Pass
<p>Application Vibration Test Verification</p>	<p>NTM-M104 / IEC 60068-2-6, 1.0g, X, Y & Z direction</p> <p>NTM-M203 Random / IEC 60068-2-64,</p>	<p>3 x 30 mins.</p> <p>3 x 30 mins.</p>	Intertek	Pass

	<p>Random vibration, 0,7g RMS, 5-100 Hz, X, Y & Z direction</p>			
<p>IP Class Test Verification - protection against intrusion of dust and water</p> 	<p>IP66 according to IEC/EN60598-1</p>	<p>NA</p>	<p>Intertek</p>	<p>Pass</p>
<p>Salt fog Test Verification - corrosion resistance of materials and surface coatings</p> 	<p>Neutral Salt Spray test, 5%, 35°C, ASTM B117/ ISO 9227, EN 12944-6, Corrosively category C5-M, medium durability</p>	<p>1440 hours</p>	<p>Martin Professional</p>	<p>Pass</p>
<p>Surge / Transient Test Verification- surge immunity from power switches and lightning</p> 	<p>EN61000-4-5 / Class 4, 4kV, Criteria B EN61000-4-4 / Level 4, 4kV</p>	<p>NA</p>	<p>Intertek</p>	<p>Pass</p>

Packing drop Test Verification 	ISTA 3A	NA	Martin Professional	Pass
Windload – Simulation 	IEC/ EN60598-2-5, 5.6.5, static load simulating 60 m/sec wind force without causing failure or permanent set to mounting bracket.	NA	Intertek	Pass
Temperature test - -30°C/+50°C during operation	NA	NA	Martin Professional	Pass

Bo A. Poulsen

Report prepared and verified by:

Bo Horsted Poulsen, Senior Quality Engineer

Department:

Martin Professional, R&D QA

Date:

13-03-2018

Revision:

02