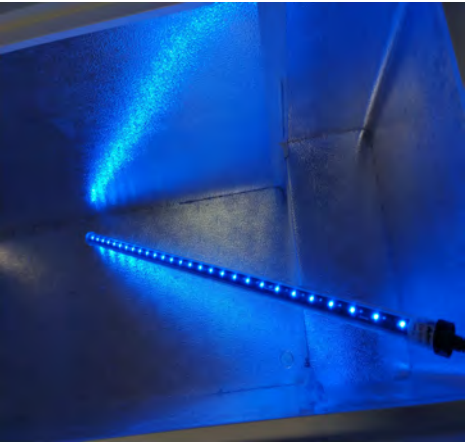




PRODUCT VERIFICATION AND RELIABILITY REPORT

Product : P01041085 VT 100-RGB 3D Vertical Tube

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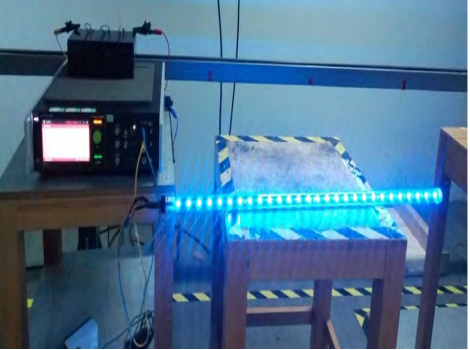
Test Photo	Test Performed	Condition	Duration	Test Lab.	Result
	<p>Cyclic Temperature Test Verification Cold working conditions</p>	<p>T= -40°C</p>	<p>10 Days</p>	<p>CGS TEST</p>	<p>PASS</p>
	<p>Cyclic Temperature Test Verification Hot working conditions</p>	<p>T= +50°C</p>	<p>10 Days</p>	<p>CGS TEST</p>	<p>PASS</p>
	<p>IK Class Test Verification Protection against external mechanical impacts</p>	<p>EN 62262; IK07;3 impact</p>	<p>5 Cycles</p>	<p>CGS TEST</p>	<p>PASS</p>

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Test Photo	Test Performed	Condition	Duration	Test Lab.	Result
	IP Class Test Verification Protection against intrusion of dust	EN 60529;IP6X	8 Hours	CGS TEST	PASS
	IP Class Test Verification Protection against intrusion of water	EN 60529;IPX5	12 l/min ± 5	CGS TEST	PASS
	Stress Relief Test Verification Enclosures of moulded or formed thermoplastic materials shall be so constructed that any shrinkage or distortion of the material due to release of internal stresses caused by the moulding or forming operation does not result in the exposure of hazardous parts or in the reduction of CREEPAGE DISTANCES or CLEARANCES below the minimum required.	EN 60950-1 Cl.4.2.7 T= 70°C	7 Hours	CGS TEST	PASS
	Thermal Test Verification Materials used in components and in the construction of the equipment shall be selected so that under NORMAL LOAD operation, temperatures do not exceed safe values in the meaning of this standard.	EN 60950-1 Cl.4.5	4 Hours	CGS TEST	PASS
	Fire Resistance Test verification of the risk of ignition and spread of flame, both within the equipment and outside , by the appropriate use of materials and components and suitable construction	EN 60950- 1 Cl.4.7	N/A	CGS TEST	PASS
	Transient/Burst Test Verification requirements and test procedures related to electrical fast transients/bursts.	EN 61000-4-4 Test Voltage: 0,5kV	N/A	Eldaş Deney ve Kalibrasyon Merkezi	PASS

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Test Photo	Test Performed	Condition	Duration	Test Lab.	Result
	Radiation Immunity Test Verification Radiated, radio frequency, electromagnetic field immunity test	EN 61000-4-3 Field Strength: 3V/m Range: 80-1000MHz	N/A	Eldaş Deneý ve Kalibrasyon Merkezi	PASS
	Conducted Immunity Test Verification Immunity to conducted disturbances induced by radio frequency fields	EN 61000-4-6 Voltage Level:3V Frequency range: 0,15-80 Mhz	N/A	Eldaş Deneý ve Kalibrasyon Merkezi	PASS
	Power Frequency Magnetic Field Test Verification Relates to the immunity requirements of equipment, only under operational conditions, to magnetic disturbances at power frequency	EN 61000-4-8 Field Strength: 1A/m	N/A	Eldaş Deneý ve Kalibrasyon Merkezi	PASS
	Radiated Emission Test Verification Radiated Emissions refers to the unintentional release of electromagnetic energy from an electronic device or apparatus.	EN 55032 Frequency: 30-1000MHz	N/A	Eldaş Deneý ve Kalibrasyon Merkezi	PASS

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Test Photo	Test Performed	Condition	Duration	Test Lab.	Result
	Conducted Emission Test Verification EUT has been supplied by LISN equipment on L,N ve PE couplings. Emission value that was given to system has been measured by Emi Test Receiver.	EN 55032:2015 Frequency range: 50 KHz- 30 MHz	N/A	Eldaş Deneý ve Kalibrasyon Merkezi	PASS
	Electrostatic Discharge Immunity Test Verification EUT has been placed on an isolator which was 0,5 mm on referance ground plane in Shielded Room. Test set-up is prepared related to IEC 61000-4-2 standard. EUT has been applied contact discharge to the reference conductive surfaces and to coupling plane, air discharge at insulating surfaces.)	EN 61000-4-2 Contact Discharge Voltage: 4KV Air Discharge Voltage:8KV	N/A	Eldaş Deneý ve Kalibrasyon Merkezi	PASS

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