

TYPE TEST REPORT

Date: 02/07/2019

Product : 12W LED Solar Street Light

Brand Name : HALONIX

Client : Client: Medas Consultancy Services, 6/2,
Meera Complex, Zone 2, M. P. Nagar,
Housing Board Colony, Bhopal-462001

Document reference : IS 10322 / IEC 60598, LM79 & TDS

Sr. No.	Requirements		Observation	Verdict
1.	Visual examination	The finishing and workmanship shall be good and acceptable	Finishing and workmanship found to be good and acceptable Satisfactory	Pass
2.	Dimensions	Shall be as per TDS	As per TDS Satisfactory	Pass
3.	Marking	Clause 6 of IS:10322 (Pt.1) & Clause 4 of IS:16107 (Pt.2/Sec.1) 2012 shall apply Shall be clear and legible	Halonix Technologies Private Limited Made in India 12W ,5700K,12VDC Wattage-12W Lamp type – LED	Pass
4.	Construction	As per IS:10322 (Pt. 2) shall apply, together with the requirements of 6.1 to 6.6	High pressure die cast Aluminum LM6 housing with corrosion resistance powder coating with manufacturer emblem / logo embossed in to the housing, Clear toughened glass of 4mm thickness, asymmetric optical lens for LED, Electronic driver.	Pass

Halonix Technologies Pvt. Ltd.

Registered Office:
B-31, Phase II, Noida,
Distt. Gautam Budh Nagar, Uttar Pradesh - 201305
Tel: +91 120 4756100 | Fax: +91 120 4756101

Formerly known as Halonix Technologies Limited

Manufacturing Unit:
Plot No. 5, Sector-12, IIE, SIDCUL,
Haridwar, Uttarakhand - 249403
Tel: +91 9568152111 | Fax: +91 01334 230696

E-Mail: customercare@halonix.co.in
Website: www.halonix.co.in

5	Provision for Earthing	The provision given in 2.0 of part 2 of IS:10322 (Pt. 2) shall apply	Earth contact Resistance $<0.5 \Omega$	Pass
6.	Cree page distance and Clearance	Shall be $\geq 3\text{mm}$ and $\geq 4\text{mm}$	3.5mm & 4.5mm	Pass
7.	Terminals	As per IS:10322 (Pt.2) shall apply	As per standard specification	Pass
8.	External and internal wiring	Clause 19 of IS:10322 (Pt. 2) shall apply	As per standard specification	Pass
9.	Protection against Electric Shock	The provision given in 21 of part 2 of IS:10322 (Pt. 2) shall apply	Test finger does not contact any live parts Satisfactory	Pass
10.	Mechanical Strength	Clause 5 of IS:10322(Pt.4) shall apply Test of Impact Resistance (IK07-IK08)	Doesn't show any damage As per standard	Pass
11.	Endurance test and	Clause 6 of IS:10322(Pt.4) shall apply Heat sink MCPCB Led Tc Driver Tc	No parts shall be damaged, unserviceable, and unsafe & marking is legible and the Luminaires perform normally.	Pass
12.	Thermal test		50°C, 56°C 68°C 69°C Satisfactory	Pass

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13.	Resistance to heat, fire & Tracking	On plastic materials only	<p>The diameter of impression <1.20mm</p> <p>The sample under test and any gas produced during the test doesn't ignite</p>	<p>Pass</p> <p>Pass</p>
14.	Resistance to dust and Moisture	<p>Clause 2 of IS:10322 (Pt .4) shall apply</p> <p>Test for ingress of dust and Moisture (IP65)</p> <p>Insulation Resistance Shall be $\geq 2M\Omega$ on application of 500V DC</p> <p>Electric strength test Shall withstood a voltage of 1.5KV for 1 Min</p>	<p>No ingress of dust and no accumulation of water.</p> <p>>2 MΩ Satisfactory</p> <p>Satisfactory</p>	<p>Pass</p> <p>Pass</p> <p>Pass</p>
15.	Operating Voltage Range	The luminaries shall operate within 140-270V supply Voltage with the same driver	DC operating Luminaire	NA

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Test Voltage 12VDC

16	Input Wattage	Power consumption of the complete System, including driver losses 12W \pm 10%	12.2W	Pass
17	Input Power Factor	>0.95	0.999	Pass
18	Luminous Efficacy	100 lm/Watt	128.2lm/W	Pass

Issued by**Shivjor Ram Maurya****Halonix Technologies Pvt. Ltd.**

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