

HALONIX TECHNOLOGIES PRIVATE LIMITED
(NABL CERTIFICATION NUMBER: TC-7634)
PLOT-5, SECTOR-12, IIE, SIDCUL, HARIDWAR-249403

TYPE TEST REPORT

Date: 27/06/2019

Product : 30W LED Bulb suitable for 240V, 50Hz, AC supply

Brand Name : HALONIX

Document Reference : IS 10322 / IEC 60598, IS 15885, IS 16103, IS 16104, IS 16107, 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 240V, 50Hz Cat. Ref. Wattage-30W Lamp type – LED	Pass
4.	Construction	As per IS:10322 (Pt. 2) shall apply, together with the requirements of 6.1 to 6.6	Aluminum inserted thermos plastic with manufacturer emblem / logo in to the housing, PC cover, Electronic driver.	Pass
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 Ω	Pass
6.	Drop Test	As per IEC 60068-2-31	Withstood the impact Satisfactory	Pass
7.	Cree Page Distance and Clearance	Shall be $\geq 3\text{mm}$ and $\geq 4\text{mm}$	3.5mm & 4.5mm	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

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 Website: www.halonix.co.in

8.	Terminals	As per IS:10322 (Pt.2) shall apply	As per standard specification	Pass
9.	External and Internal Wiring	Clause 19 of IS:10322 (Pt. 2) shall apply	As per standard specification	Pass
10.	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
11.	Mechanical Strength	Clause 5 of IS:10322(Pt.4) shall apply Test for Impact Resistance (IK05)	Doesn't show any damage As per standard	Pass
12.	Endurance Test and	Clause 6 of IS:10322(Pt.4) shall apply	No parts shall be damaged, unserviceable, and unsafe & marking is legible and the luminaires perform normally.	Pass
13.	Thermal Test	At 25°C ambient Heat sink MCPCB Led Ts Driver Tc	50°C, 57°C 63°C 64°C Satisfactory	Pass
14.	Resistance to Heat, Fire & Tracking	On plastic materials only	The diameter of impression <1.20mm The sample under test and any gas produced during the test doesn't ignite	Pass Pass
15.	Resistance to Dust and Moisture	Clause 2 of IS:10322 (Pt .4) shall apply Test for ingress of dust and Moisture (IP20) Insulation Resistance Shall be $\geq 2\text{M}\Omega$ on application of 500V DC Electric strength test Shall withstood a voltage of 1.5KV for 1 Min	OK >2 M Ω Satisfactory Satisfactory	Pass Pass Pass

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16.	Operating Voltage Range	The luminaries shall operate within 140-270V supply Voltage with the same driver	Luminaries operable within 140V-270V supply Voltage with the same driver	Pass
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Test Voltage 240V, 50Hz

17.	Input Wattage	Power consumption of the complete System, including driver losses 30W±10%	29.96W	Pass
18.	Input Power Factor	>0.95	0.964	Pass
19.	Max. Input Current	<144mA	129mA	Pass
20.	THD	<15%	14.7%	Pass
21.	Electronic LED Driver efficiency	>85%	86.2%	Pass
22.	Surge voltage protection	2.5KV internal	Withstood 2.5KV	Pass

Issued by

Sanjay Sharma

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