

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

TYPE TEST REPORT


Date: 03/07/2019

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

Product Code : 50W LED Bulb

Brand Name : HALONIX

Document Reference : IS: 16102 (Part-1):2012, LM79 & TDS

Sr. No.	Requirements		Observation	Verdict
1.	Marking	Shall be clear and legible Mark of origin Rated Voltage or Voltage Range Rated Wattage Rated Lumen Rated Frequency Country of manufacture Mark of symbol on high temperature	Halonix Lamp 220-240V 50W 5000lm 50Hz MADE IN INDIA 	Pass
2.	Interchangeability			
	Cap Interchangeability	Shall be ensured by the use of caps/relevant gauges	Satisfactory	Pass
	Bending Moment, Axial Pull and Mass	Shall withstand externally applied bending moment of 2Nm and axial pull of 1Kg.	Satisfactory	Pass
3	Protection against accidental contact with live parts	Compliance is checked by means of test finger with force of 10N	Satisfactory	Pass
4	Insulation Resistance	Shall be > 2MΩ on application of 500V DC	>10 MΩ Satisfactory	Pass
	Electric Strength	Shall withstood a voltage of 1.5KV for 1 Min.	Satisfactory	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

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

Formerly known as Halonix Technologies Limited

5	Mechanical Strength			
	Torsion resistance	Cap shall remain firmly attached to the Lamp when subjected to the torque of 3 Nm. shall be ensured by the use of test holders	Satisfactory (E40)	Pass
6	Cap Temperature Rise	The Cap temperature rise of the complete lamp shall not exceed 120K	not exceeding 120K	Pass
7	Resistance to Heat	The diameter of impression shall not be > 2mm	The diameter of impression 1.3mm	Pass
8	Resistance to Flame and Ignition	The sample under test and any gas produced during the test shall not be ignited (at 650°C for 30 sec)	samples shows no gas during test, doesn't ignite	Pass
9	Fault Condition			
		shall not impair safety	Satisfactory	Pass
	For dimmable	NA	NA	NA
	For non-dimmable	Lamp shall withstand the extreme electrical conditions for at least 15 min. (with increased power of 150%)	lamp contains automatic protective device which limits the power	Pass
		Short circuit across capacitor (1 pc at a time) lamp shall withstand the for at least 15 min	lamp withstand the for at least 15 min	Pass
		Open or bridge points , where fault condition may impair safety lamp shall withstand the for at least 15 min	lamp withstand the for at least 15 min	Pass
10	Creepage Distance and Clearance	Shall be > 3mm and > 6mm	Satisfactory	Pass



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