

TEST REPORT

TEST REPORT AS PER IS: 16102 (Part 2):2012 with Amendment Nos. 1

SRF No. 14060093

Name & Address of Customer: M/s. Ecolite Technologies, Plot No.139N, Sector 7-Part-II, IMT, Manesar, Gurgaon, Haryana-122050.	Test Report No: HPLI/Test/1406009301 (LTQ 4000 Hours)		
	Date of Issue:29/12/2014		
	Customer Ref. & Date: Challan No. 00199 dated 23.06.2014		
	Date of Sample Receipt: 25/06/2014	Start of Test Date: 05/07/2014	End of Test Date: 27/12/2014

PART A - PARTICULARS OF THE SAMPLE SUBMITTED

Sample description	SELF BALLASTED LED LAMPS FOR GENERAL LIGHTING SERVICES
Grade/ variety/ type/ class/ size etc.	LED Bulb, 9W, 144-288V, 50Hz, B22d
Declared values, if any	9W, 144-288V, 0.040A, 50Hz, 800lm, 5700K, P.F. 0.95, Rated Current-0.040A, Lamp Photometry Code- 857/DD3, Beam Angle-160 Degree, Centre Beam Intensity- 105 Candela, Failure Fraction Factor- F10, Lumen maintenance category – 30% for Code 3, CRI-80
Code no., BIS seal and IO's sign. if any	Nil.
Batch no., date of manufacture and Brand name	"eco lite" Brand
Quantity	30 Nos. + 2 Nos. for Fault Conditions For IS 16102 (Part 1&Part 2):2012
Condition of the sample	OK
Reference specification (s)	IS 16102 (Part-2):2012 (Tests has been carried out as per customer's request)
Environmental conditions	Temperature (27±1)°C & Relative Humidity<65%

PART B - SUPPLEMENTARY INFORMATION

- Deviations from the test methods as per relevant specification/ work instructions, if any : NIL
- Details of the drawings, graphs, tables, sketches or Photographs as referred in the test report, if any : Nil.
- Testing procedure according to work instructions HPLI 03/Test/WI-134(A).
- The Testing Standards/Instruments used are maintained in accordance with IS/ISO/IEC 17025 and are traceable to National and International Standards.

- Notes:**
- This report is not to be reproduced wholly or in part without our special permission in writing.
 - This report refers only to the particular sample detailed above.
 - The results reported in this certificate are valid at the time of and under the stipulated conditions of measurement.

FOR HI PHYSIX LABORATORY (I) PVT. LTD.

Mgk
Tested by



[Signature]
Checked by

[Signature]
Approved by
TUSHAR PATHAK
(MANAGER)

Format No. – P17 F06-00

PART C- TEST RESULT

TEST REPORT NO. HPLI/Test/1406009301
IS 16102(Part 2): 2012

S. No.	TESTS WITH CLAUSE REFERENCE		SPECIFIED REQUIREMENTS	RESULTS		
				Lamp No.	Lumen Maintenance (%)	
1.	Lumen Maintenance (No. of Lamp tested 10)	i)	The Lumen Maintenance after 4000 Hrs. (expressed as percentage of the initial value)	1.	90.5	
				2.	90.1	
				3.	90.0	
				4.	90.7	
				5.	90.6	
				6.	90.9	
				7.	90.2	
				8.	90.7	
				9.	90.0	
				10.	90.3	
2.	Lamp life and Lumen Maintenance (Cl.13 of IS 16102 (Part 2): 2012 (No. of Lamp tested 10)	i)	The initial luminous flux shall be measured, which measurement is repeated at 25 percent of rated lamp life (with a maximum duration of 6000 h) (Cl. 13.1) A self ballasted LED lamp is considered having passed the test when the following criteria have been met:	See Remark 1		
				a) The measured value at 25 % of rated lamp life shall never be less than the maximum lumen maintenance related to the rated life as defined and provided by the manufacturer	See Remark 1	
				b) The measured lumen maintenance shall correspond with the lumen maintenance category as defined and provided by the manufacturer.	See Remark 1	

PART-D:

- Remarks:**
1. Samples are on remaining Lumen maintenance test.
 2. The observations given in part A of the cover page of the test report are taken from the marking on the sample and specifications given by the customer.

***** END OF THE TEST REPORT *****

FCR HI PHYSIX LABORATORY (I) PVT. LTD.

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Tested by

[Signature]
Checked by

[Signature]
ANJUTOSH PATHAK
(TESTER)
Approved by