



# TEST REPORT

**RAY DYNAMICS**  
**15/6, GKS NAGAR**  
**PAPPANAICKEN PALAYAM**  
**COIMBATORE 641037**  
**TAMILNADU**

**Item : LED AVIATION OBSTACLE LIGHT**  
**Make : RAY DINAMICS**  
**Model : LIT32-UI**



**Government of India**  
**Ministry of Communications and Information Technology**  
**Department of Information Technology**  
**Standardisation Testing and Quality Certification Directorate**  
**ELECTRONICS REGIONAL TEST LABORATORY (EAST)**  
**Block DN, Sector V, Salt Lake, Kolkata 700 091**  
**INDIA**

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Department of Information Technology, Standardisation Testing & Quality Certification Directorate  
**ELECTRONICS REGIONAL TEST LABORATORY (EAST)**

TEST REPORT ON LED AVIATION OBSTACLE LIGHT

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**1.0 SCOPE**

**1.1 Service Request No.** : TE/0071/04-09  
**1.2 Test Report No.** : ERTL(E)/TES/R234/0027/04-09  
Date : 11/05/2009

**1.3 Requested by** : **RAY DYNAMICS**  
( Name & Address of the organisation) 15/6, GKS NAGAR  
PAPPANAICKEN PALAYAM  
COIMBATORE 641037  
TAMILNADU

**1.4 Description , Identification of the item to be tested**

Item	:	LED AVIATION OBSTACLE LIGHT
Make	:	RAY DINAMICS
Model	:	LIT32-UI
Sl.No.	:	NOT INDICATED
Qty.	:	1

**1.4.1 Applicable Spec.of the item(s) tested:**  
AS PER DRAWING NO. AL 100309

**1.4.1 Characterisation and condition of the item**

Characterisation	:	Not applicable /
Condition	:	Satisfactory /

**1.5 Date of item receipt of item** : 23/04/2009

**1.6 Date of completion of testing** : 08/05/2009

**1.7 Location where testing performed** : In house

**1.8 Ambient condition during measurement** : 25 +/- 1.5°C  
70% RH. Max.

**1.9 Spec. used for testing** : AS PER CUSTOMER'S SPECIFICATION

**1.9.1 Details of non-standard method followed (if any)** : NIL



Certificate No. : T0000



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AMENDMENT TO TEST REPORT NO. : ERTL ( E ) / TES / R 234 / 0027 / 04 - 09		<b>AMENDMENT NO. 1</b>	
TEST REPORT ON : LED AVIATION OBSTACLE LIGHT			
MAKE : RAY DYNAMICS	BATCH NO. : --	TEST ENGINEER	DATE
SERIAL NO. : --	JOB NO. : 0027 / TE / 04 - 09	<i>A. Chatterjee &amp; A. Biswas</i>	10-Jun-09

## TEST RESULTS :

TEST NO.	TEST OR ENVIRONMENT	CL. NO.	QUANTITY		SPECIFICATION LIMIT	TEST RESULT		REMARKS
			TESTED	FAILED				
1	Illuminance at 1 Meter distance at 90V AC 50 Hz at 6° vertical, 10° vertical from horizontal axis of the lamp.	---	1	---	Not Specified	at 6° vertical (in lux) 53.24	at 10° vertical (in lux) 42.36	---
2	Illuminance at 1 Meter distance at 230V AC 50 Hz at 6° vertical, 10° vertical from horizontal axis of the lamp.	---	1	---	Not Specified	at 6° vertical (in lux) 53.89	at 10° vertical (in lux) 42.80	---
3	Illuminance at 1 Meter distance at 270V AC 50 Hz at 6° vertical, 10° vertical from horizontal axis of the lamp.	---	1	---	Not Specified	at 6° vertical (in lux) 54.01	at 10° vertical (in lux) 42.83	---

1. Lux measured at 1Meter distance (measured horizontally) from the source of light (LED) of the middle row.
2. Lux measurement done at 6° & 10° vertical from horizontal axis as per drawing no. AL 100309.
3. Measurement has been carried out with the luminair fitted with its transparent cover and the system placed in a horizontal plane .

Tested by : *A. Chatterjee*  
( Test. Engrg. )

*Chowdhury*  
Checked by:  
K B Chowdhury  
Scientist 'D'  
( OIC Lab. )

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Date : 11/05/2009

3.0 Major Equipment used

EQPT_NO	NAME	MAKE	MODEL	CAL. VALID UPTO
1282	SYSTEM PHOTOMETER WITH PHOT	LMT	S1000/SP 30	06/06/2009

4.0 Remarks ( if any )

NIL



RELEASED BY  
(signature & date)

*Soma*  
13/5/09  
SOMALI JANA  
Signature  
Electronics Regional Test Laboratory (East)  
STDG Directorate, Dept. of Info Technology  
Ministry of Comm & Info Technology  
Kolkata - 700 091