



# BHARAT TEST HOUSE Pvt. Ltd.

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T-1688

"our footprint evidences our quality"

## TEST REPORT

[Amendment No. 1 (See Remark 1)]

Test Report No. : 20170704001A  
Issue Date : 04/07/17  
Issued To : INSTAPOWER LTD.  
457, Udyog Vihar, Phase-V,  
Udyog Vihar, Gurgaon 122016.

Ref. No. : Nil  
Date : 17/06/17  
Job Order No. : BTH-R/PM/170620/15  
Date of Sample Receipt : 20/06/17  
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Sample Deposited/Collected by : Party.  
Sample Description : Said to be, "Model Name: High Intensity Aviation Obstruction Light (with SMD LEDs), Input Voltage: 230VAC, S. No.: IR1705102937, Trademark: INSTAPOWER LTD., Other Instruction: Light is 230VAC operated."

Date(s) of performance of tests : Date of Start: 20/06/17; Date of Completion: 03/07/17.  
Name of Manufacture : INSTAPOWER LTD.  
103, Raipur Industrial Area, Bhagwanpur, 15.5km, Roorkee Dehradun Highway, Uttarakhand, 247661, India.

S. No.	Tests Conducted	Requirement as per customer request	Results
1.	LED Based High Intensity Aviation Obstruction Light Type-A (Protocol followed as per client & ICAO Standard)	Peak Intensity at " Above 500 Cd/ square meter background Luminance" in Cd at 0° Angle should be 200000 Cd ± 25%	234500 Cd
		Peak Intensity at " Above 500 Cd/ square meter background Luminance" at -10° Angle should be 3% Maximum	5325 Cd
		Peak Intensity at " Above 500 Cd/ square meter background Luminance" at -1° Angle should be 50% Minimum and 75% Maximum	144195 Cd
		Peak Intensity in between "50-500 Cd/ square meter background Luminance" at -0° Angle should be 20000 Cd ± 25%	22600 Cd
		Peak Intensity in between "50-500 Cd/ square meter background Luminance" at -10° Angle should be 3% Maximum	562.5 Cd
		Peak Intensity in between "50-500 Cd/ square meter background Luminance" at -1° Angle should be 50%Minimum and 75% Maximum	14820 Cd
		Peak Intensity at " Below 50 Cd/ square meter background Luminance" in Cd at 0° Angle should be 20000 Cd ± 25%	2388 Cd
		Peak Intensity at " Below 50 Cd/ square meter background Luminance" in Cd at 0° Angle should be 3% Maximum	50.75 Cd
		Peak Intensity at " Below 50 Cd/ square meter background Luminance" in Cd at 0° Angle should be 50% Minimum and 75% Maximum	1388 Cd
		Vertical Beam Spread should be 3° - 7°	5.8°
		Number of Flashes per minute should be 40-60 Flashes/Minute	50 Flashes/Minute
		Colour of the light emitting from the source should be White	Satisfactory

Remark: 1. Manufacturer address has been added as per client request.

A. Kant  
Tested By

Authorized Signatory

The NABL Accreditation and the BIS recognition claimed is valid only for the scope of accreditation and recognition as on date of this report, as mentioned on NABL and BIS Website respectively.

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