

WZ-407/B-1, Basai Dara Pur,
Near Ramesh Nagar Metro Station,
New Delhi-110015 (India)

Mob.: +91-98219 74769 / 99719 32901
E-mail : planetelectrolabs@gmail.com
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TEST CERTIFICATE


Page: 1 of 8

QUALITY REPORT

TEST REPORT AS PER SPECIFICATION: IES LM-79-08.

TEST REPORT NO. PEL/ED/13800121A			NAME & ADDRESS OF CUSTOMER M/s STARKA INNOVATIVE SYSTEMS PRIVATE LIMITED SHRIRAM NAGAR, AMRAVATI, MAHARASHTRA, India, 444711
ULR No. TC527221000001453P			
DATE OF ISSUE OF TEST REPORT: 24/05/2021			
Customer Ref. & Date if any: Nil			
Date of Sample Receipt: 18/05/2021	Start of Test Date: 18/05/2021	End of Test Date: 24/05/2021	

PART A - PARTICULARS OF THE SAMPLE SUBMITTED

NATURE OF SAMPLE	LED LUMINAIRE (120W FLOOD LIGHT)
Grade/ Variety/ Type/ Class/ Size etc.	240VAC, 120W, Made in India
Declared Values, if any (declared by the manufacturer).	Nil
Sr. No/ Make of LED Chip	003
BIS Seal and IO's sign. If any.	Nil
Batch no., Date of manufacture	Nil
Brand Name /Model No.	Brand :  , Model: "STRFALUAB0"
Quantity of Samples	1 No.
Condition of the Sample when received.	OK
Standard Reference	As per customer requirement
Environmental Conditions.	Temperature 25 ± 1°C & Relative Humidity < 65%

PART B - SUPPLEMENTARY INFORMATION

- a) Deviations from the test methods as per relevant specification/ work instructions, if any : NIL
b) Details of the drawings, graphs, tables, sketches or photographs as referred in the test report, if any : NIL

Notes:

- i) This report is not to be reproduced wholly or in part without our special permission in writing.
ii) This report refers only to the particular sample detailed above.
iii) The results reported in this certificate are valid at the time of and under the stipulated conditions of measurement.
iv) Sample will be disposed off after 30 days of issue of test report if no any further information is received.
v) All the tests are certified except one with astrisk mark (not accredited by NABL).
vi) Any recognition claim in the test report is solely for promotional/advertising purpose and has no relation with the content of the report.

Tested By 	Approved By 	Issued By 
Testing Engineer Date: 24/05/2021	Proprietor Date: 24/05/2021	Proprietor Date: 24/05/2021



PLANET ELECTRO LABS

AN ISO 9001/NABL/BIS CERTIFIED LABORATORY

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Table – List of Attachments		
Attachment No.	Attachment Description	No. of pages in Attachment
Attachment – 1	Spatial Color Distribution Report	1
Attachment – 2	Spectral Power Distribution	>1

Possible test case verdicts:

- test case does not apply to the test object .. : N/A
- test object does meet the requirement..... : P (Pass)
- test object does not meet the requirement.. : F (Fail)

Testing :



Date of receipt of test item..... : 18/05/2021

Date (s) of performance of tests..... : 18/05/2021 to 24/05/2021

Laboratory conditions.....:

Ambient Temperature..... : (25±1)°C

Ambient Humidity..... : (<65)%RH

Tested By	Approved by
	
Testing Engineer	Proprietor

Terms & Conditions: 1) This report will not be valid for judicial purpose. 2) Total liability of our laboratory is limited to invoiced amount. 3) Test reports are valid only for the sample tested in our laboratory. 4) Samples tested are Non-Returnable until specified at time of sample submission.

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Details of Tests Performed and Result

Sl	Test Parameters	
1	Input RMS AC Voltage	IES LM79/CI.No.:8.0
2	Input RMS AC Current	IES LM79/CI.No.:8.0
3	Input AC Power	IES LM79/CI.No.:8.0
4	Power factor	IES LM79/CI.No.:8.0
5	Frequency	IES LM79/CI.No.:8.0
6	Total Luminous Flux	IES LM79/CI.No.:9.0
7	Luminous Efficacy	IES LM79/CI.No.:11.0
8	Chromaticity Coordinates	IES LM79/CI.No.:12.0
9	Correlated Color Temperature	IES LM79/CI.No.:12.0
10	Color Rendering Index	IES LM79/CI.No.:12.0

General remarks:

1. The test results presented In this report relate only to the object tested.
2. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

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Testing Engineer	Proprietor

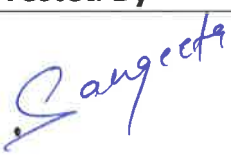

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Clause No.	Test / Requirement Name	Test Result / Observation
8.0	Electrical Instrumentation The Electrical Characteristics measured for AC Powered SSI Products are	
	1. Input RMS AC Voltage	240.00V
	2. Input RMS AC Current	0.50A
	3. Input AC Power	120.91W
	4. Power Factor	0.9680
	5. Frequency	49.99Hz
9.0	Total Luminous Flux	14763.09lm
10.0	Spatial Color Distribution Report	Attached as attachment-1
11.0	Luminous Efficacy	122.11lm/W
	Radiant Power	14.692W
12.0	Color Characteristic 1. Chromaticity Coordinates	x: 0.3024, y: 0.3209
	2. Peak Wavelength (nm)	451.5
	3. Dominant Wavelength (nm)	486.5
	4. Half Width Wavelength (nm)	25.0
	5. Purity (%)	11.338
	6. Correlated Color Temperature(CCT)	7165K
	7. Color Rendering Index(CRI)	82.9
	8. Color Rendering Index (R1)	79.4
	9. Color Rendering Index (R2)	86.7
	10. Color Rendering Index (R3)	90.5

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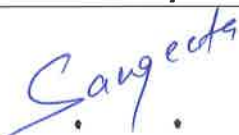

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11. Color Rendering Index (R4)	80.8
12. Color Rendering Index (R5)	79.4
13. Color Rendering Index (R6)	81.6
14. Color Rendering Index (R7)	88.2
15. Color Rendering Index (R8)	70.5
16. Color Rendering Index (R9)	-3.7
17. Color Rendering Index (R10)	67.7
18. Color Rendering Index (R11)	80.5
19. Color Rendering Index (R12)	50.7
20. Color Rendering Index (R13)	81.5
21. Color Rendering Index (R14)	95.8
22. Color Rendering Index (R15)	75.7

Supplementary Information:

1. The sample is tested according to IES LM79-08.
2. Photometric parameters are obtained using LPCE3 CCD Spectroradiometer.
3. The sample has been operated 240VAC.
4. The sample has been operated for 45 minutes prior to measurement for a stable condition.
5. The orientation (burning position) of SSL product during test is its normal burning position.
6. Total Spectral Radiant Flux Lamp, SLS- 100W calibrated (NIM and NABL traceable) has been used as Standard Lamp

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Attachment – 1 Spatial Color Distribution Report

WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)
380	0.0003	0.0876	525	0.4314	141.1322	670	0.0919	30.0760
385	0.0015	0.4969	530	0.4353	142.4042	675	0.0801	26.2086
390	0.0012	0.3916	535	0.4406	144.1285	680	0.0694	22.6960
395	0.0025	0.8176	540	0.4421	144.6334	685	0.0600	19.6169
400	0.0045	1.4883	545	0.4433	145.0402	690	0.0518	16.9533
405	0.0077	2.5298	550	0.4443	145.3589	695	0.0454	14.8407
410	0.0133	4.3650	555	0.4444	145.3957	700	0.0393	12.8662
415	0.0267	8.7469	560	0.4425	144.7543	705	0.0338	11.0625
420	0.0523	17.0981	565	0.4417	144.5008	710	0.0293	9.5768
425	0.0983	32.1729	570	0.4370	142.9580	715	0.0260	8.5106
430	0.1741	56.9476	575	0.4325	141.4892	720	0.0222	7.2627
435	0.2992	97.8894	580	0.4256	139.2501	725	0.0196	6.4104
440	0.4805	157.1878	585	0.4174	136.5446	730	0.0176	5.7626
445	0.7326	239.6698	590	0.4063	132.9327	735	0.0154	5.0507
450	0.9734	318.4595	595	0.3931	128.6070	740	0.0152	4.9624
455	0.9291	303.9731	600	0.3783	123.7598	745	0.0133	4.3585
460	0.6635	217.0523	605	0.3594	117.5685	750	0.0124	4.0696
465	0.4836	158.2104	610	0.3401	111.2501	755	0.0110	3.6057
470	0.3721	121.7273	615	0.3182	104.0992	760	0.0110	3.5966
475	0.2820	92.2437	620	0.2952	96.5608	765	0.0099	3.2304
480	0.2407	78.7473	625	0.2698	88.2544	770	0.0098	3.2045
485	0.2397	78.4253	630	0.2459	80.4472	775	0.0098	3.2141
490	0.2576	84.2866	635	0.2216	72.5131	780	0.0109	3.5698
495	0.2896	94.7517	640	0.1989	65.0554	785	0.0102	3.3236
500	0.3300	107.9591	645	0.1784	58.3737	790	0.0080	2.6287
505	0.3639	119.0679	650	0.1570	51.3771	795	0.0052	1.7063
510	0.3911	127.9472	655	0.1383	45.2378	800	0.0074	2.4308
515	0.4087	133.7202	660	0.1208	39.5157			
520	0.4223	138.1650	665	0.1066	34.8803			

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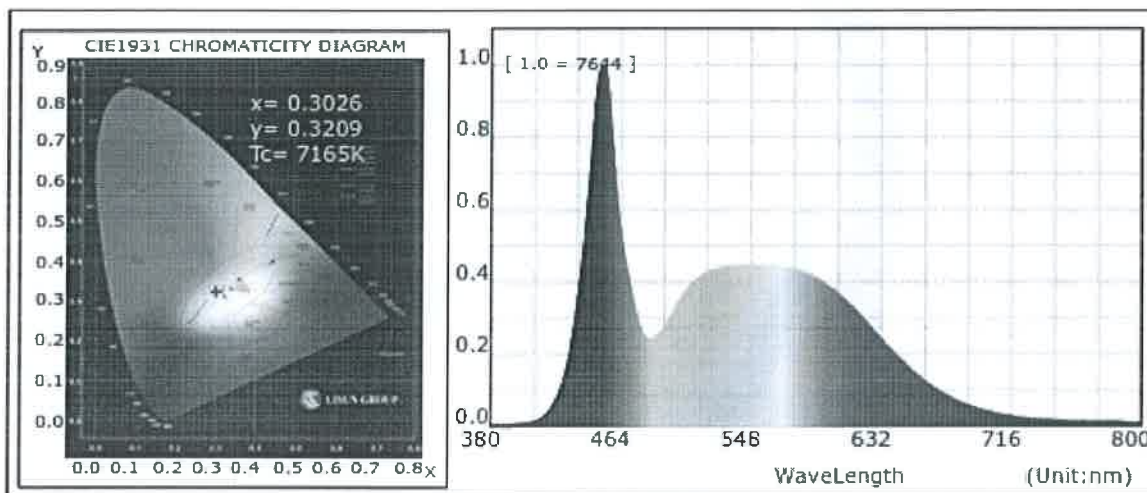
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Attachment – 2 Spectral Power Distribution



Tested By	Approved by
<i>Sangeeta</i>	
Testing Engineer	Propriator

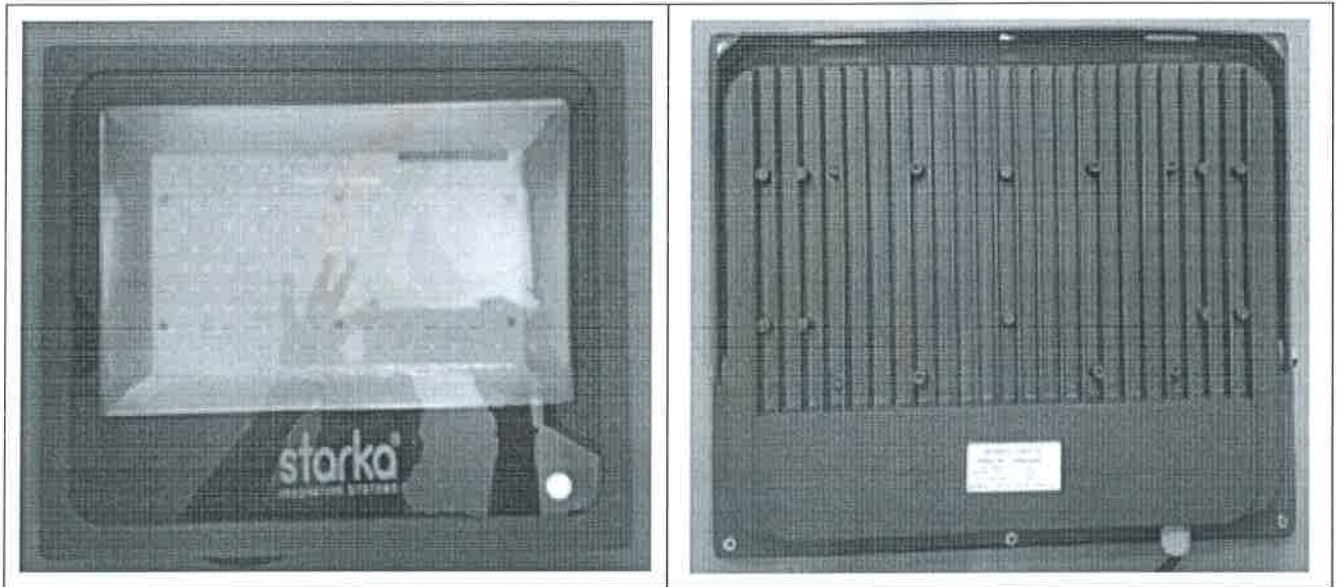
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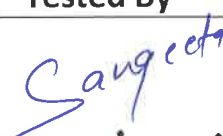

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PHOTOGRAPH



END OF TEST REPORT

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