Issue No: 03, Version No: 03
Issue Date: 13-08-2016

MSP-TST-FOR-004

REPORT NO:030618-CON-TST DATE: 13-06-2018	**TEST REPORT**	PAGE NO:1OF 4

1.1	Test Registration No.	: 030618-CON-TST
1.2	Test Venue	: Testing Laboratory, CEC, IIT Madras.
1.3	Name & Address of the Customer	: k-lite Industries India`s Lighting Company.
1.4	Description of the equipment under test	: ID-5300 Model No: 30W Polar Street Light Sl No:HPYMW106E6286,Data Sheet Attached.
1.5	Condition on receipt	: Good
1.6	No. of Test samples	: One
1.7	Sampling Plan (Wherever applicable)	: Not Applicable
1.8	Date of receiving the equipment	: 12-06-2018
1.9	Date of testing	: 12-06-2018
1.10	Customer's Requirements	: Performance Evaluation
1.11	Test Method / Standard Used	: IES LM79
1.12	Deviations if any	: Nil

2.0 Test Instruments used & Traceability details: (Equipments used are traceable to national standards)

Sl. No.	Equipment used	Calibration Report Reference	Valid up to
1	Integrating Sphere of 4π geometry & 2m dia with Spectroradiometer CDS2100	LabSphere-OM-04033-003 & NPL/16031409/5.04/C53-56	29-05-2018
2	Power Analyzer-Yokagawa WT500	RCPL/17-18/ET/1413-01	22-10-2018

TESTED BY

AUTHORISED SIGNATORY

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REPORT NO:030618-CON-TST DATE: 13-06-2018	**TEST RESULTS**	PAGE NO.: 2 OF 4

Laboratory ambient condition: Temperature: 25 ± 2.5 °C Relative Humidity: 35% - 65%

Test conditions:

Orientation (burning position): Zero degree inclination to horizontal
Bandwidth of Spectroradiometer: 350 nm to 1050 nm, measurements taken at 1 nm interval
Stabilization Time: 30 min

S.No	Clause No. ,Test Description	Observation
1	**Electrical Characteristics** 1. Input RMS AC Voltage 2. Input RMS AC Current 3. Input AC Power 4. Input voltage Frequency 5. Power factor 6. Input voltage THD	 230 V 0.1572A 32.21W 50.0 Hz 0.889 0.083%
2	**Photometric test -** Total Luminous Flux CCT CRI Chromaticity X Coordinates Chromaticity Y Coordinates	 4704 lumens 3830 K 77.72 0.3889 0.3874
3	**Luminous Efficacy**	146.04 lm/W

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NABL Accredited
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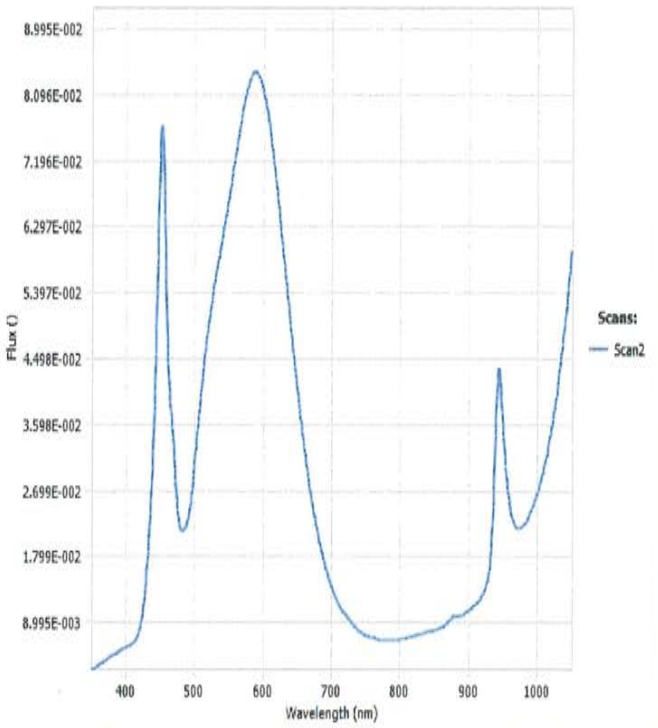
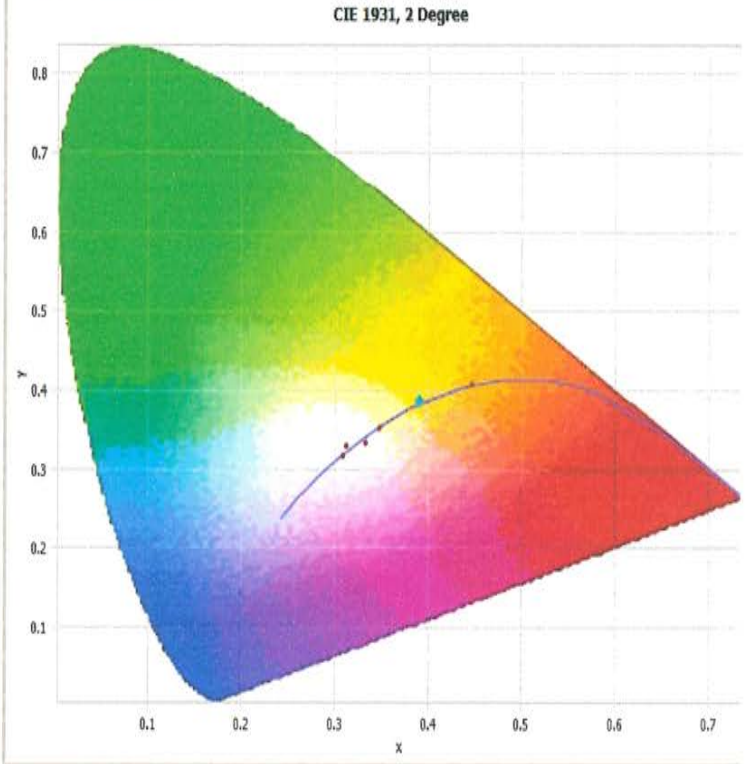
MSP-TST-FOR-004

REPORT NO:030618-CON-TST DATE: 13-06-2018	**TEST RESULT**	PAGE NO:3 OF 4

▼ SPECTRAL FLUX GRAPH:



▼ CHROMATICITY



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दूरभाष/ Phone: 044-2257/ 4946 / 45 फैक्स / Fax: 044-2257 4986 ई-मेल / E-mail: headcec@iitm.ac.in

REPORT NO:030618-CON-TST DATE: 13-06-2018	**TERMS & CONDITIONS**	PAGE NO:4 OF 4

- This report refers only to the particular item actually submitted for testing.
- Results reported are valid at the time of and under the stated conditions of testing.
- CEC, IIT, Madras shall not be liable for any change in data.
- The report is not to be used for any legal purposes and shall not be produced in a court of law.
- This report shall not be reproduced except in full, without the written approval from the IIT, Madras.
- In case of any disputes, the decision of the IIT, Madras shall be final and binding.
- If any anomaly is found in the test report, it shall be brought to the notice of the Head, CEC, within 45 days from the date of the report so as to review and amend the report, wherever necessary and send the amendments to the client, after the receipt of the corresponding original report.

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Polar - Vertical Mounting - Ultra

Innovative Design options to provide Visual integration with the environment. High Brightness, LED Light source do not pose any environment risks. Designed for highest efficiency in terms of more lumens at reduced wattages contributing to a Greener World. Long life span with very low maintenance.

Technical Specifications

- Luminaire body made of MS rectangular tube anti-rust treated, both outer and inner finished with powder coated.
- Clear polycarbonate optical cover
- Suitable for mounting on swaged pipe to 52mm, 68mm & 81mm OD Pipe of 140mm hieght / 70mm Square Pipe / 90mm Square Pipe.
- 10KV surge protection
- Cable entries for through-wiring of mains supply cable
- Integral power supply
- Earth connection
- Safety class I
- Protection class : IP68 LED module
- CE - Conformity mark
- Suitable for operation on 240V, 50Hz single phase ac supply.

Product Benefits

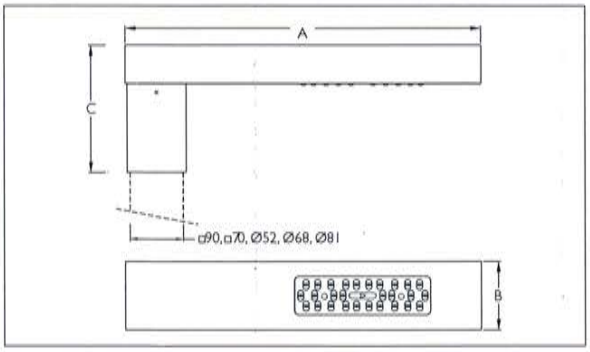
- High luminous efficiency at reduced wattage.
- Functionally versatile, strong and stable with sound engineering.
- Corrosion resistant and Maintenance free.
- Quick installation and low assembly costs.
- The fixture and the driver are designed to provide value technology ideally suited to Indian conditions.
- Sustainable LED technology offers durability and optimal light output with low power consumption.

Area of Application

Illuminating parks, commercial complex, Street Lighting, Expressways, Highways, Courtyards.

Available Finish

Pure polyester powder coated Graphite Grey / Black.



ID	Wattage	A	B	C
5300*	30W LED	600	120	208
5274*	60W LED	600	120	208

For Accessory, Light Distribution & Installation Recommendation please refer to our website at www.klite.in

⚠ Important Note : To ensure proper installation, kindly translate / communicate the installation instructions to a qualified electrician in their respective local language.