



VARDHAMANA
TESTING LABORATORY

Vardhamana Testing Laboratory

(LABORATORY IN ELECTRICAL, ELECTRONICS & PHOTOMETRY TESTING)
Plot No.-403, Udyog Kendra-II, Ecotech-III, Greater Noida-201306 (U.P.)
Tel. : 0120-6811256



E-mail: info@vardhamanatestlab.com , Web.: www.vardhamanatestlab.com

TEST REPORT

		Format No. :VTL/FR/19	
Discipline:	Photometry	Group:	luminaries
Location of testing performance of the Laboratory & its Address:		Vardhamana Testing Laboratory Plot No 403, Udyog Kendra Extn -II Ecotech -3, Greater Noida	
Test Specification:		As per IES LM 79-08	
Report No.:	VTL/TR/2024/01/061	Issue Date:	24/01/2024
ULR No. :	TC1124024000000061F	Page No.:	1 of 5
Name & Address of Manufacturer:		Dreams electronics Plot no -256 ecotech -3 extension -1 greater Noida 201306	
Name & Address of Applicants:		Dreams electronics Plot no -256 ecotech -3 extension -1 greater Noida 201306	

PART A. PARTICULARS OF SAMPLE SUBMITTED BY CUSTOMER

a) Sample Name:	LED POST TOP LIGHT 80W
b) Sample Description (Rating/ Class/Type etc.)	Rated Voltage: 230 V AC, Rated Power: 80W, Frequency : 50Hz, Rated current: ≥ 0.30 A, PF: ≥ 0.95
c) Model Number:	DEDECOST080W65
d) Brand Name:	DEGLOW
e) Quantity of Sample:	01
f) Date of Receipt of Sample:	13/01/2024
g) Date of performance of testing:	20/01/2024
h) Condition of sample received:	Good
i) Environmental Conditions:	25 \pm 1°C/ 58% RH
j) Code No./ Sr. No. / Batch No. / Date of Manufacturer/ Seal & IO's sign, if any	--
I) Any Other Information, If Any:	Nil



SCAN QR CODE TO
VERIFY REPORT

PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable	N/A
b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and /or photographs, as appropriate to test report, if any (To be attached):	See Attachment No. 1
c) Deviation from the test methods as prescribed in relevant ISS/ work instructions,	N/A



Tested By:	Approved By (Authorized Signatory):	Issued By:
Pooran (Testing Engineer)	R.K. Srivastava (Technical Manager)	Pooja Jain (Lab Head)



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Test Conducted :

Sl. No.	CL. no.	Tests with Clause No.	Parameter	Observation
1.		Electrical Parameter		
a.	8	(LM-79-08)	Input Voltage (V)	229.48 V
b.			Input Current(I)	0.3593 A
c.			power(W)	79.83 W
d.			Power Factor	0.9680
e.			Frequency (Hz)	50Hz
2.a)	9	Photometric Parameter (LM 79-08)	Luminous Flux	9042.81 lm
b.	10		Luminous Intensity Distribution	Graph attached
c	11		Luminaire Efficacy	113.27 lm/W
3.	12	Color Characteristics (LM 79-08)	Chromaticity -Coordinate	
a.			X- Coordinate	0.4163
			Y-Coordinate	0.3959
b.			Correlated Color Temperature	3312 K
c.			Render Index	80.3



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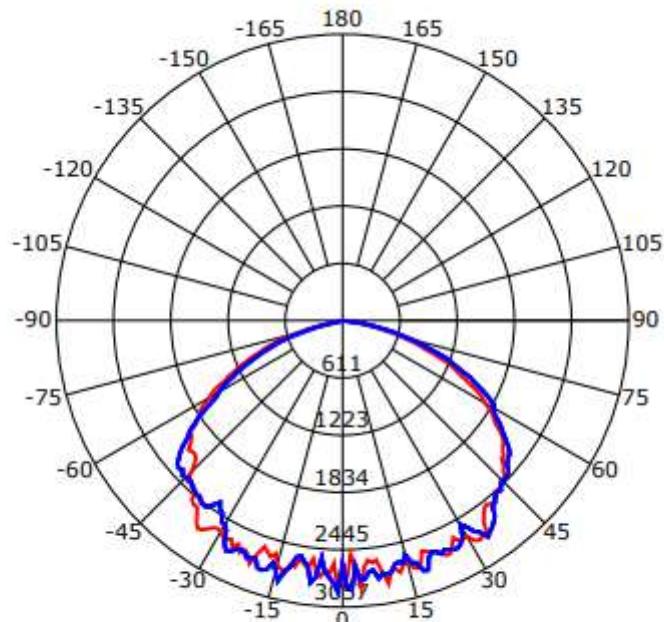
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Luminous Intensity Distribution Curve



Beam Angle(50%) C0-180,C90-270: 127.4 deg,127.6 deg

C0-180 ————— C90-270 —————



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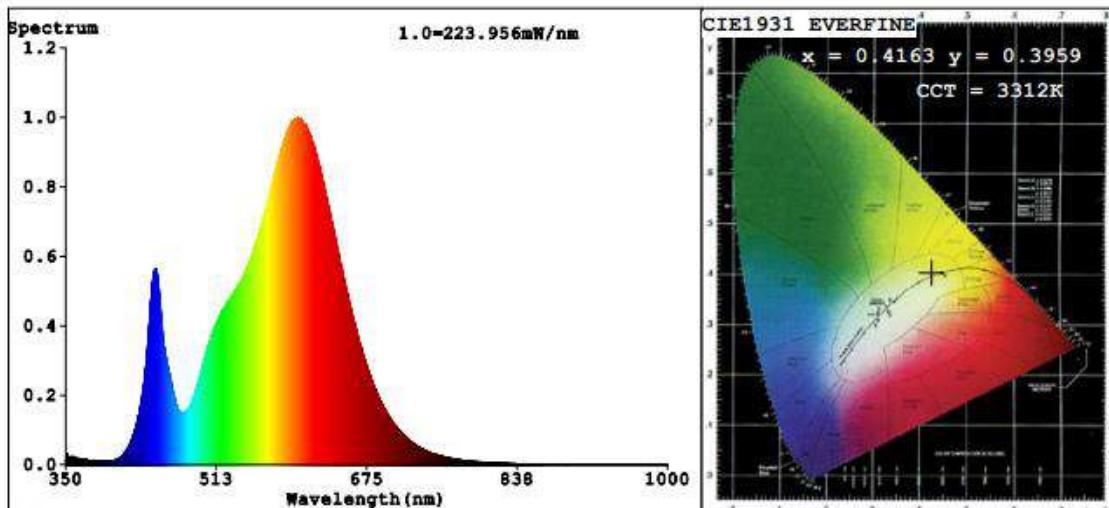
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Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.4163 y=0.3959 u'=0.2514 v'=0.5183

CCT=3312K (Duv=-0.0022) Dominant WL:Ld =583.6nm WL:Lc = --nm Purity=49.5%

Ratio:R=22.6% G=75.0% B=2.3%; Peak WL:Lp=600.9nm FWHM=119.7nm

Render Index: Ra=80.3 AvgR=74.4

R1 = 78 R2 = 89 R3 = 96 R4 = 78 R5 = 79 R6 = 86 R7 = 81
R8 = 55 R9 = 0 R10=75 R11=78 R12=72 R13=80 R14=98 R15=71



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Sample photo

Attachment 1



Remarks :

1. This Report refers to the particular item submitted for testing.
2. This Report shall not be reproduced, except in full, unless written permission for the publication of an approved abstract has been obtained from the authorized Signatory of VARDHAMANA TESTING LABORATORY GREATER NOIDA
3. The results reported in the report are valid at the time of and under the stated conditions of measurement.
4. VTL is not giving any decision rule. Only statement of conformity is given as per standard if applicable and required by the customer.

END OF TEST REPORT



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