



20W LED TUBE LIGHT CW

Photometric & Electrical Measurement (As per IES LM 79-08 / IS 16106-12)

20W Energy Efficient LED Light

Issued by: Halonix Technologies Private Limited (NABL Certification No: TC-7634)

01/29/2019

HALONIX TECHNOLOGIES PRIVATE LIMITED**HTPL LABORATORY (NABL Certificate No: TC-7634)**

Plot-5, Sector-12, IIE, SIDCUL

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Test Report

Report Number:	29-01-2019 -001	Date:	29-01-2019
Product Description: 20W Energy Efficient LED Tube Light			
Product Catalogue Reference:	HLTLD-04-20-CW-PC	Brand:	HALONIX
Construction: PC housing, PC diffuser, etc.			
Test Details:		Document References/Standard:	
<ul style="list-style-type: none">• Light intensity distribution Measurement• Total Lumen output Measurement• Electrical Parameters Measurement		<ul style="list-style-type: none">• IES-LM-79-08 "Electrical and Photometric Measurements of Solid-State Lighting Products"• IS : 16106-2012 "Method of Electrical and Photometric solid state lighting (LED) Products"• IS : 16105-2012 "Method of measurement of Lumen maintenance of solid state light sources"	
Enclosures:			
Prepared By:		Approved By:	
Sanjay Sharma		Rajeev Chhabra	

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Electrical & Photometric Test Report**Photometric Test Report: (As Per IES LM 79-08)****Sample ID:** 29-01-2019 -001

Catalogue Reference:	HLTLD-04-20-CW-PC	Testing Date:	29-01-2019
Testing Agency:	HTPL Laboratory	Brand:	HALONIX
Equipment Used:	EVERFINE Brand Gonio Photometer (Type: GO - 2000B V1) and Globe Photometer (Type: PMS – 50/80) with Power Meter		

Ambient Temperature:	25±2°C	Relative Humidity:	65%
Test Voltage:	240V	Frequency:	50Hz
Stabilization Time:	30Min	Total Operating Time:	1.30Hours

Rated Performance Parameters:

Rated Wattage :	20W	Rated Input Current :	0.102A
Nomical CCT :	6500K	Nominal CRI:	>80

Measured Electrical Parameters:

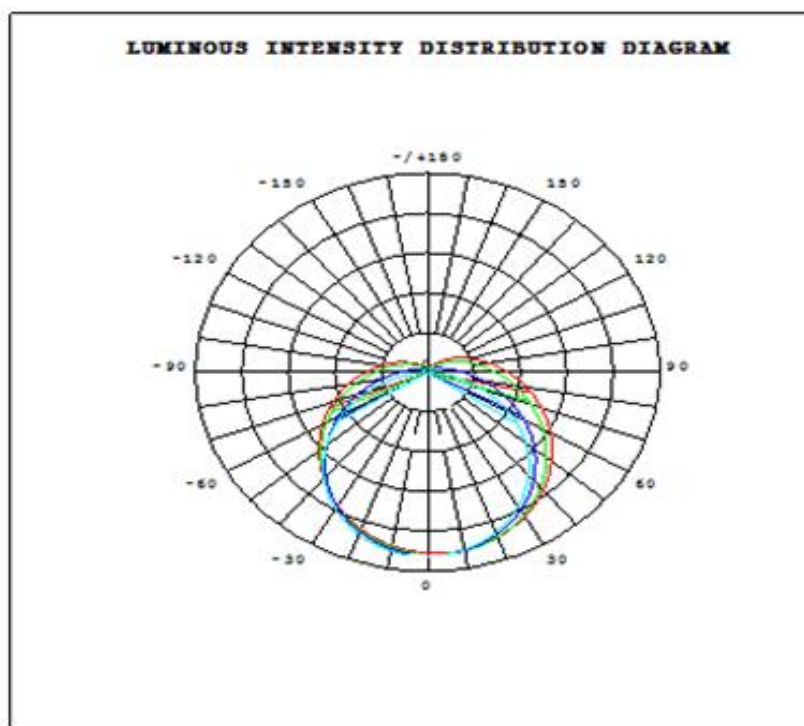
Supply Voltage :	240V	Input Current :	0.086A
Frequency :	50Hz		
Total Power :	19.95W	Power Factor :	0.967

Photometric Measurement Data:

Total Measured Lumen :	2033.1lm	Luminaries Efficacy :	101.91lm/W
CCT :	6411K	CRI :	82.3
Light Intensity Distribution:	Attached (Refer to Page No. 4)		
Approved By: Rajeev Chhabra	Tested By: Sanjay Sharma		

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Light intensity Distribution Diagram



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