



## **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)  
01/28/2019**

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

Plot-5, Sector-12, IIE, SIDCUL

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**Test Report**

<b>Report Number:</b>	28-01-2019 -002	<b>Date:</b>	28-01-2019
<b>Product Description:</b> 20W Energy Efficient LED Tube Light			
<b>Product Catalogue Reference:</b>	HLTLD-05-20-WW	<b>Brand:</b>	HALONIX
<b>Construction:</b> Aluminum housing, PC diffuser, etc.			
<b>Test Details:</b>		<b>Document References/Standard:</b>	
<ul style="list-style-type: none"><li>• Light intensity distribution Measurement</li><li>• Total Lumen output Measurement</li><li>• Electrical Parameters Measurement</li></ul>		<ul style="list-style-type: none"><li>• IES-LM-79-08 "Electrical and Photometric Measurements of Solid-State Lighting Products"</li><li>• IS : 16106-2012 "Method of Electrical and Photometric solid state lighting (LED) Products"</li><li>• IS : 16105-2012 "Method of measurement of Lumen maintenance of solid state light sources"</li></ul>	
<b>Enclosures:</b>			
<b>Prepared By:</b>		<b>Approved By:</b>	
Sanjay Sharma		Rajeev Chhabra	

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### **Electrical & Photometric Test Report**

<b>Photometric Test Report:</b> (As Per IES LM 79-08)			
<b>Sample ID:</b> 28-01-2019 -002			
<b>Catalogue Reference:</b>	HLTLD-05-20-WW	<b>Testing Date:</b>	28-01-2019
<b>Testing Agency:</b>	HTPL Laboratory	<b>Brand:</b>	HALONIX
<b>Equipment Used:</b>	EVERFINE Brand Gonio Photometer (Type: GO - 2000B V1) and Globe Photometer (Type: PMS – 50/80) with Power Meter		

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

<b>Rated Performance Parameters:</b>			
<b>Rated Wattage :</b>	20W	<b>Rated Input Current :</b>	0.096A
<b>Nomical CCT :</b>	3000K	<b>Nominal CRI:</b>	>80

<b>Measured Electrical Parameters:</b>			
<b>Supply Voltage :</b>	240V	<b>Input Current :</b>	0.086A
<b>Frequency :</b>	50Hz		
<b>Total Power :</b>	19.95W	<b>Power Factor :</b>	0.967

<b>Photometric Measurement Data:</b>			
<b>Total Measured Lumen :</b>	2037.09lm	<b>Luminaries Efficacy :</b>	102.11lm/W
<b>CCT :</b>	3137K	<b>CRI :</b>	81.5
<b>Light Intensity Distribution:</b>	Attached (Refer to Page No. 4)		
<b>Approved By:</b> Rajeev Chhabra	<b>Tested By:</b> Sanjay Sharma		

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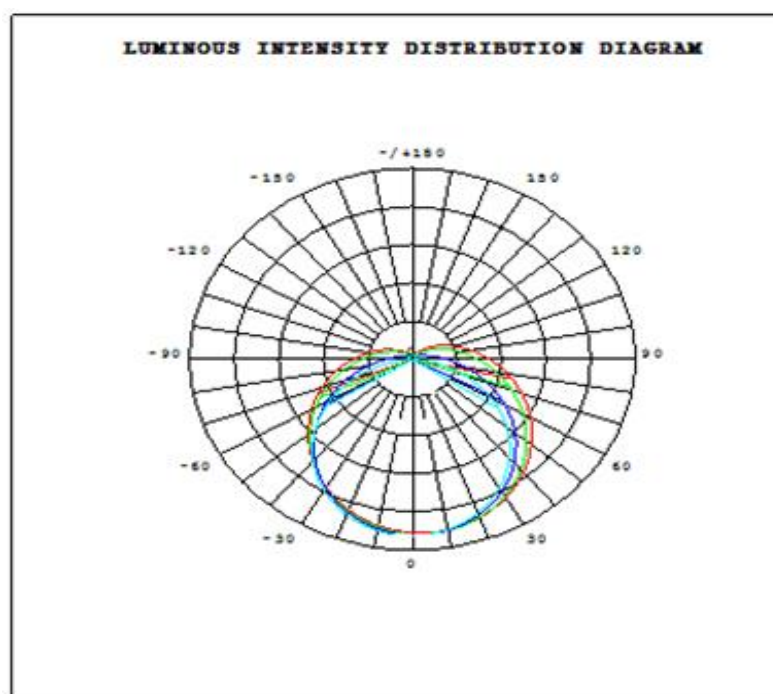
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**Light intensity Distribution Diagram**



Catalogue Reference	HLTLD-05-20-WW	Sample ID	28-01-2019 -002
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