

## **50W LED FLOOD LIGHT**

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

**50W Energy Efficient LED Flood Light** 

Issued by: Halonix Technologies Private Limited (NABL Certification No: TC-7634) 08/02/2019

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

Plot-5, Sector-12, IIE, SIDCUL

Haridwar (Uttarakhand), PIN-249403, India

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## **Test Report**

Report Number: 02-08-2	019 -001		Date:	02-08-2019	
<b>Product Description:</b> 50W Energy Efficient LED Flood Ligh	t				
Product Catalogue Reference:	HLFLD-ML22-5	0-CWL-24VAC	Brand:	HALONIX	
<b>Construction</b> : Pressure die casted aluminum hous	ing Glass front visor	SMD I ED Flectronic d	driver etc		
Fressure die Casted aldifilitatif flous	ing, diass nont visoi	, SIVID LED, LIECTIONIC O	ariver etc.		
Test Detai	ls:	Docur	ment Reference	s/Standard:	
<ul> <li>Light intensity distribution Measurement</li> <li>Total Lumen output Measurement</li> <li>Electrical Parameters Measurement</li> </ul>		Measurem Products"  IS: 16106 Photometr Products"  IS: 16105	<ul> <li>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</li> </ul>		
Enclosures:	2		Approved P		
Prepared By:			Approved B	•	
Sanjay Sharma			Rajeev Chhal	ora	

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## **Electrical & Photometric Test Report**

Photometric Test Report: (As F	Per IES LM 79-08)				
Sample ID: 02-08-2019 -001					
Catalogue Reference:	HLFLD-ML2	HLFLD-ML22-50-CWL-24VAC Testing Date			
Testing Agency:	HTPL Labor	HTPL Laboratory		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:	24V	Frequency:	50Hz		

Ambient Temperature:	25±2°C	Relative Humidity:	65%
Test Voltage:	24V	Frequency:	50Hz
Stabilization Time:	30Min	Total Operating Time:	1.30Hours

Rated Performance Parameters:					
Rated Wattage :	50W	Rated Input Current:	2.292A		
Nomical CCT :	5700K	Nominal CRI:	>70		

Measured Electrical Parameters:				
Supply Voltage:	24V	Input Current :	2.142A	
Frequency:	50Hz			
Total Power :	49.92W	Power Factor :	0.971	

Photometric Measurement Data:				
Total Measured Lumen :	5047.41lm	Luminaries Efficacy:	101.11lm/W	
CCT:	5809K	CRI:	71.9	
Light Intensity Distribution:		Attached (Refer to Page No. 4)		
Approved By: Rajeev Chhabra		Tested By: Sanjay Sharma		

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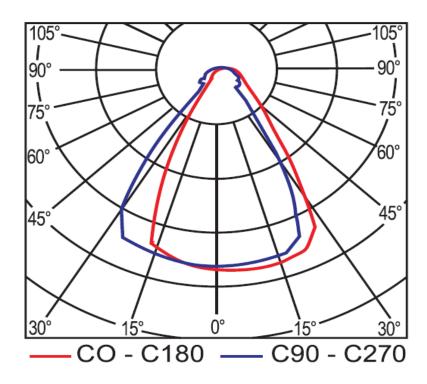
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### **Light intensity Distribution Diagram**



Catalogue Reference	HLFLD-ML22-50-CWL-24VAC	Sample ID	02-08-2019 -001