6W LED DOWN LIGHT CW

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

6W Energy Efficient LED Light

Issued by: Halonix Technologies Private Limited (NABL Certification No: TC-7634)
02/05/2019

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Test Report

Report Number: 05-02-2019 -001	**Date:**	05-02-2019
Product Description: 6W Energy Efficient LED Down Light		
Product Catalogue Reference: HLDLR-31-06-CW	**Brand:**	HALONIX
Construction: Aluminum die cast housing, PMMA diffuser, etc.		

Test Details:	**Document References/Standard:**
• Light intensity distribution Measurement • Total Lumen output Measurement • Electrical Parameters Measurement	• 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:** 05-02-2019 -001			
Catalogue Reference:	HLDLR-31-06-CW	**Testing Date:**	05-02-2019
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 :	6W	**Rated Input Current :**	0.029A
Nomical CCT :	6500K	**Nominal CRI:**	>80

Measured Electrical Parameters:			
Supply Voltage : **Frequency :**	240V 50Hz	**Input Current :**	0.025A
Total Power :	5.87W	**Power Factor :**	0.978

Photometric Measurement Data:			
Total Measured Lumen :	603.73lm	**Luminaries Efficacy :**	102.85lm/W
CCT :	6390K	**CRI :**	80.2
Light Intensity Distribution:		Attached (Refer to Page No. 4)	
Approved By: Rajeev Chhabra		**Tested By:** Sanjay Sharma	

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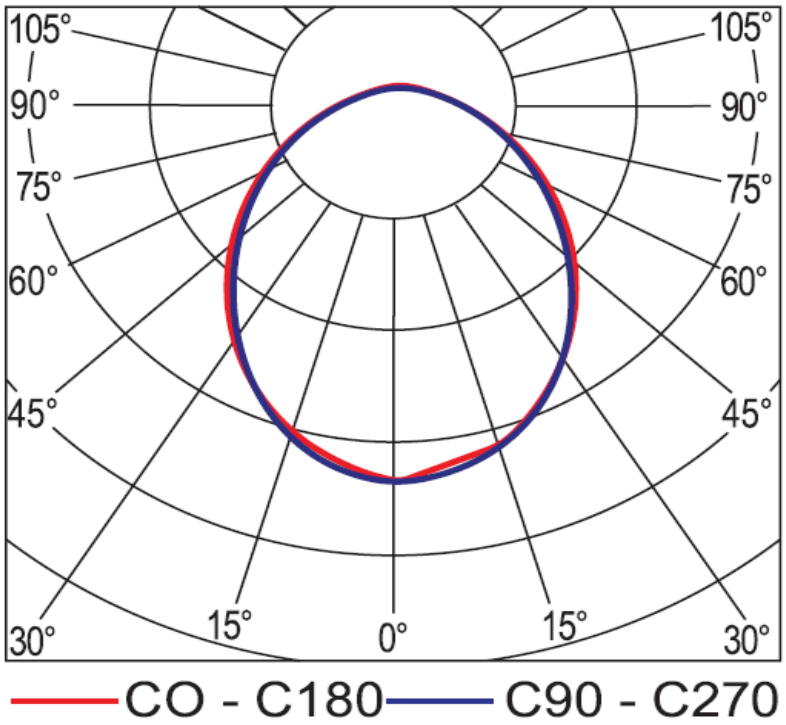
Light intensity Distribution Diagram



Catalogue Reference	HLDLR-31-06-CW	**Sample ID**	05-02-2019 -001