

PRODUCT SPECIFICATIONS

PRODUCT NAME	LED Flame Proof Well Glass

Characteristics	Std. Value	
LUMINARIES	Luminaries wattage	45 Watt
	Input Voltage	230 V
	Input Frequency	50 Hz
	Input Current	0.6 A
	Power Factor	> 0.90
	Athd.	CLASS C
	Efficiency	87%
	Light Spreading Angle	180°
	Temperature Class	T6
	IP Standard	IP66
	Total Weight	7.9Kg
	Starting Time	Rapid (0.2 Sec)
	Glare Standard	G 1
Guarantee	3 Years including FLUX/CCT/CRI	

LED LAMP MAKE – CITIZEN JAPAN	Model No	CLU048 - 1212		
	LED type / No of LED Lamp	COB/ Single Lamp		
	Total Lumen @Tc 25°C	6640	6961	6689
	Lumen Efficacy (Lm/ Watt)	166 lm/W	174 lm/W	167 lm/W
	CCT / Color Rendering index	3000K / RA 70	5000K / RA 70	6500K / RA 80
	SP Ratio	2-2.25		
	MacAdam Ellipse Stage	STEP 3		
	LED -Wattage/Current/Voltage	40W / 1115ma/ 35.9 V @Tc 25°C		
	Lamp Life	1,00,000 Hours Min.		
	Certifications / Reports	LM70, LM80/Photo Bio. Test / Vibration Test		
Identification Feature	Unique Serial No. Printed on each Lamp			
Actual Test Report of CITIZEN LED Lamp	Actual Operating test Report for 63,000Hrs			

LED DRIVER MAKE - MEANWELL	Model No	PLD-60-1050B
	Type of Driver	Constant Current (CC)
	Input Voltage Range	180VAC ~ 295 VAC
	Frequency Range	47 ~ 63Hz
	Inrush current	COLD START 25A
	Leakage current	< 0.5 mA / 240VAC
	Output Protection	Short Circuit, Over Temperature
	Withstand Voltage	I/P-0/P:3.75K VAC Min.
	Surge Protection	L-N :2KV
	MTBF /DMTBF	458.85K HRS Min / 50,000 HRS @ TCASE 65°C
Capacitor Life Cycle	42086.1 HRS @ 50°C	

OPTICS	Optics Type	Glass Diffuser
	MOC of Optics	Borosilicate Diffused Glass
	Secondary Optics	Toughned Glass

FIXTURE \ HEAT SINK	Make of Fixture	Sudhir
	Certification	CMRI Certified including LED Lamp
	Heat Sink Make	(Own Design)
	MOC – Heat Sink	Aluminum Extrusion - LM 06
	Junction Temperature -T _j	68°C
	Case Temperature- T _c	55°C

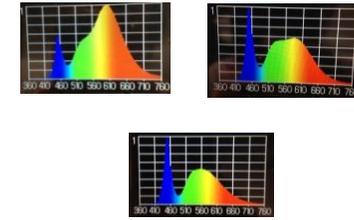
Product Photograph & Thermal Image



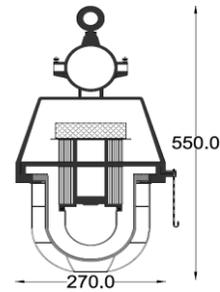
Reference Documents

1. Power Analyser Report With Harmonics
2. Electrical Efficiency Reprot
3. Spectroradiometric Test Report
4. TRT Report
5. LM 79 Report
6. IP 66 Test Report
7. LM 70, LM 80 Report

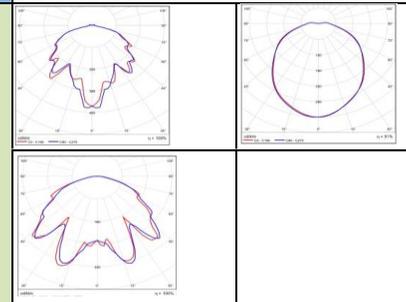
LED Spectrum



Schematic Drawing



Light Distribution Diagram



Actual Test Report

SERIAL NO.	1020145					
Mfg Date	11-01-2016.1:48:48 PM					
LED SR. No.	F14530518921					
DRIVER SR. NO.	HB42A79188					
Input	V	A	HZ	W	VA	PF
	241.66	0.210	50	46.18	50.75	0.91
Output	DCV	DCA	DCW	EFF	THD	
	36.15	1.103	39.87	86.33	C class	

Prepared By	Reviewed By	Approved By