

PRODUCT NAME	LED Flame Proof Well Glass
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Product Photograph & Thermal Image



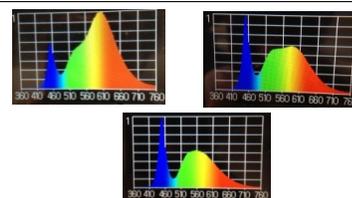
Characteristics	Std. Value
Luminaries wattage	60 Watt
Input Voltage	230 V
Input Frequency	50 Hz
Input Current	0.6 A
Power Factor	> 0.90
Athd.	CLASS C
Efficiency	87%
Light Spreading Angle	180°
Temperature Class	T6
IP Standard	IP66
Total Weight	8.65Kg
Starting Time	Rapid (0.2 Sec)
Guarantee	3 Years including FLUX/CCT/CRI

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

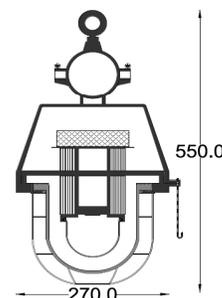
LUMINARIES	LED LAMP		
Make	Citizen		
LED type / No of LED Lamp	COB/ Single Lamp		
Total Lumen @Tc 25°C	8874 lm	9303 lm	8939 lm
Lumen Efficacy (Lm/ Watt)	164 lm/W	172 lm/W	165 lm/W
CCT / Color Rendering index	3000K / RA 70	5000K / RA 70	6500K / RA 80
SP Ratio	2-2.25		
MacAdam Ellipse Stage	STEP 3		
LED -Wattage/Current/Voltage	54W / 1013mA/ 53.3 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 Spectrum



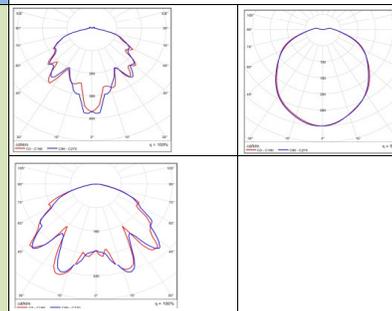
LED LAMP MAKE - CITIZEN JAPAN	LED DRIVER MAKE - MEANWELL
Make	PLD-60-1400B
Type of Driver	Constant Current (CC)
Input Voltage Range	180VAC ~ 295 VAC
Frequency Range	47 ~ 63Hz
Inrush current	COLD START 25A
Leakage current	< 0.5 mA / 240VAC
Output Protection	Short Circuit, Over Temperature
Withstand Voltage	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	49694.1 HRS @ 50°C

Schematic Drawing



LED DRIVER MAKE - MEANWELL	OPTICS
Make	Glass Diffuser
MOC of Optics	Borosilicate Diffused Glass
Secondary Optics	Toughned Glass

Light Distribution Diagram



OPTICS	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	73°C
Case Temperature- T _c	60°C

Actual Test Report

SERIAL NO.	4020149				
Mfg Date	11-01-2016.10:48:48 PM				
LED SR. No.	F14530518925				
DRIVER SR. NO.	HB42A79189				
Input	V	A	HZ	W	VA
	239.45	0.278	50	61.91	66.57
Output	DC.V	DCA	DC.W	EFF	THD
	53.87	1.004	54.09	87.37	C class

Prepared By	Reviewed By	Approved By
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