

**PRODUCT SPECIFICATIONS**

<b>PRODUCT NAME</b>	LED Flame Proof Well Glass
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Characteristics	Std. Value	
<b>LUMINARIES</b>	Luminaries wattage	20 Watt
	Input Voltage	230 V
	Input Frequency	50 H <sub>z</sub>
	Input Current	0.4 A
	Power Factor	NA
	Athd.	CLASS A
	Efficiency	83%
	Light Spreading Angle	180°
	Temperature Class	T6
	IP Standard	IP66
	Total Weight	6.27 Kg
	Starting Time	Rapid ( 0.2 Sec)
	Glare Standard	G 1
Guarantee	2 Years including FLUX/CCT/CRI	

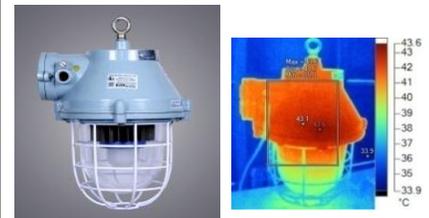
<b>LED LAMP MAKE – CITIZEN JAPAN</b>	Model No	CLU038 - 1206		
	LED type / No of LED Lamp	COB/ Single Lamp		
	Total Lumen @Tc 25°C	2995	3141	3018
	Lumen Efficacy (Lm/ Watt)	167 lm/W	175lm/W	168 lm/W
	CCT / Color Rendering index	3000K / RA 70	5000K / RA 70	6500K / RA 80
	SP Ratio	2-2.25		
	MacAdam Ellipse Stage	STEP 3		
	LED -Wattage/Current/Voltage	18W / 505ma/ 35.6V @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		

<b>LED DRIVER MAKE - MEANWELL</b>	Model No	APC-25-500		
	Type of Driver	Constant Current (CC)		
	Input Voltage Range	90VAC ~ 264 VAC		
	Frequency Range	47 ~ 63Hz		
	Inrush current	COLD START 45A		
	Leakage current	< 0.25 mA / 240VAC		
	Output Protection	Over Voltage		
	Withstand Voltage	I/P-0/P:3.75K VAC		
	Surge Protection	L-N :2KV		
	MTBF /DMTBF	518.9K HRS Min / 50,000 HRS @ TCASE 60°C		
Capacitor Life Cycle	48617 HRS @ 40°C			

<b>OPTICS</b>	Optics Type	Glass Diffuser		
	MOC of Optics	Borosilicate Diffused Glass		
	Secondary Optics	Toughned Glass		

<b>FIXTURE / HEAT SINK</b>	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 <sub>j</sub>	66°C		
	Case Temperature- T <sub>c</sub>	55°C		

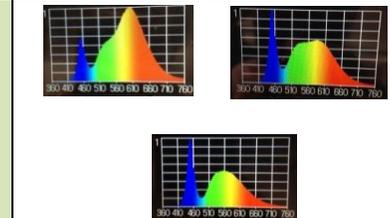
Product Photograph & Thermal Image



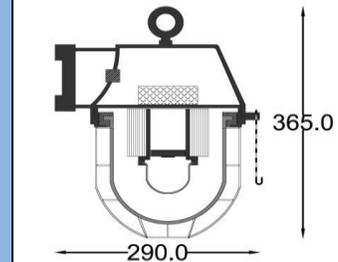
Reference Documents

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

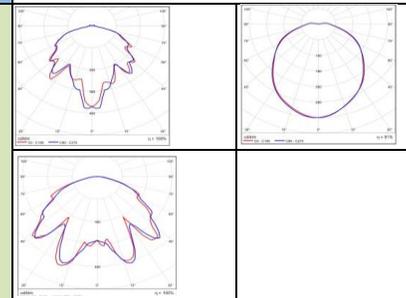
LED Spectrum



Schematic Drawing



Light Distribution Diagram



Actual Test Report

SERIAL NO.	-4020144					
Mfg Date	11-01-2016.1:48:45 PM					
LED SR. No.	F14530518915					
DRIVER SR. NO.	HB42A79119					
Input	V	A	HZ	W	VA	PF
	241.05	0.210	50	21.77	50.62	0.43
Output	DC.V	DC.A	DC.W	EFF	THD	
	36.88	0.490	18.06	82.97	A class	

Prepared By	Reviewed By	Approved By