

PRODUCT NAME	LED Flame Proof Well Glass
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Characteristics	Std. Value
LUMINARIES	
Luminaries wattage	15 Watt
Input Voltage	230 V
Input Frequency	50 H _z
Input Current	0.3 A
Power Factor	NA
Athd.	CLASS A
Electrical Efficiency	84%
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

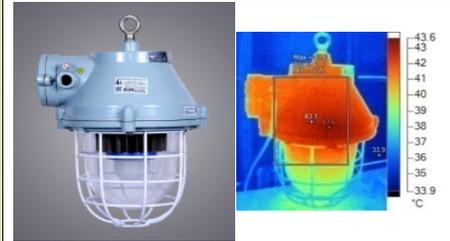
LED LAMP	MAKE - CITIZEN JAPAN		
Model No	CLU038 - 1205		
LED type / No of LED Lamp	COB/ Single Lamp		
Total Lumen @Tc 25°C	2243	2352	2261
Lumen Efficacy (lm/ Watt)	172 lm/W	181 lm/W	174 lm/W
CCT / Color Rendering index	3000K / RA 70	5000K / RA 70	6500K / RA 80
SP Ratio	2-2.25		
MacAdam Ellipse Stage	STEP 3		
LED -Wattage/Current/Voltage	13W / 370ma/ 35.2V @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	APC-16-350
Type of Driver	Constant Current (CC)
Input Voltage Range	90 ~ 264V AC
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	1145.7K HRS Min / 50,000 HRS @ TCASE 55°C
Capacitor Life Cycle	53375 HRS @ 40°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	64°C
Case Temperature- T _c	55°C

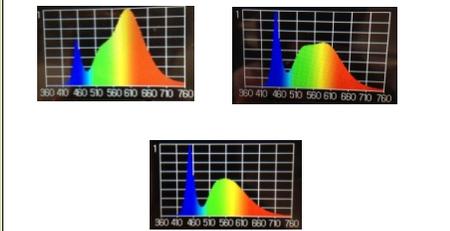
Product Photograph & Thermal Image



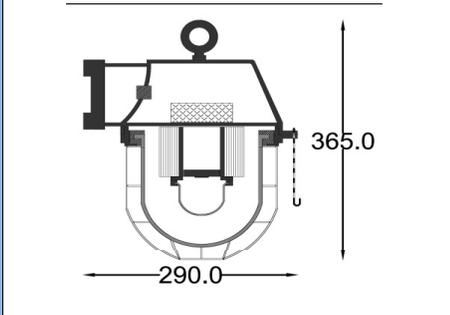
Reference Documents

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

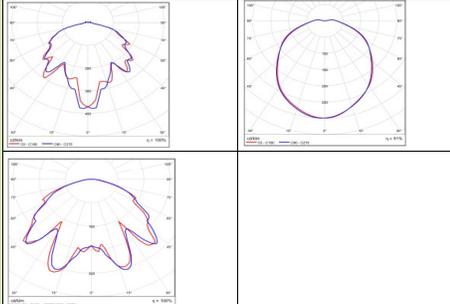
LED Spectrum



Schematic Drawing



Light Distribution Diagram



Actual Test Report

SERIAL NO.	4020143					
Mfg Date	11-01-2016.1:48:25 PM					
LED SR. No.	F14530518911					
DRIVER SR. NO.	HB42A79110					
Input	V	A	HZ	W	VA	PF
	240.30	0.154	50	15.17	37.01	0.41
Output	DC.V	DCA	DC.W	EFF	THD	
	37.20	0.348	12.95	85.35	A class	

Prepared By	Reviewed By	Approved By
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