

PRODUCT SPECIFICATIONS

PRODUCT NAME	LED Flame Proof Street Light

Characteristics	Std. Value
LUMINARIES	
Luminaries wattage	30 Watt
Input Voltage	230 V
Input Frequency	50 Hz
Input Current	0.5 A
Power Factor	NA
Athd.	CLASS A
Electrical Efficiency	84%
Light Spreading Angle	120° x 60°
Temperature Class	T6
IP Standard	IP66
Total Weight	6 Kg
Starting Time	Rapid (0.2 Sec)
Guarantee	2 Years including FLUX/CCT/CRI

LED LAMP	
Model No	CLU038 - 1208
LED type / No of LED Lamp	COB/ Single Lamp
Total Lumen @Tc 25°C	4194
Lumen Efficacy (Lm/ Watt)	161 lm/W
CCT / Color Rendering index	3000K / RA 70
SP Ratio	2-2.25
MacAdam Ellipse Stage	STEP 3
LED -Wattage/Current/Voltage	26 W / 727ma/ 35.8 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

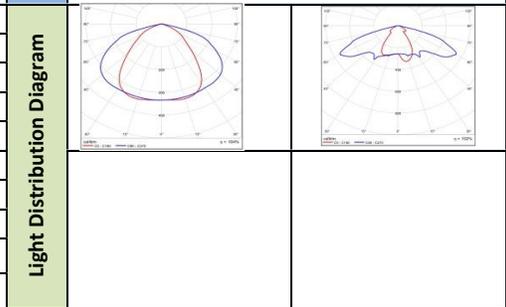
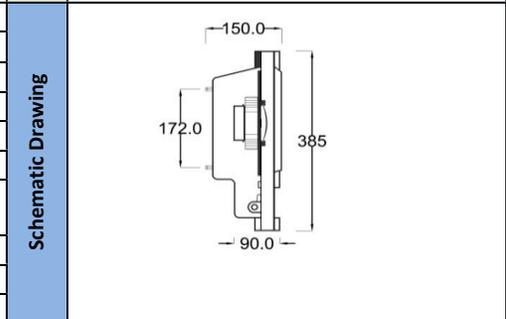
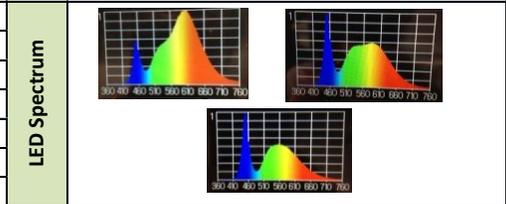
LED DRIVER MAKE - MEANWELL	
Model No	APC-35-700
Type of Driver	Constant Current (CC)
Input Voltage Range	90VAC ~ 264 VAC
Frequency Range	47 ~ 63Hz
Inrush current	COLD START 45A
Leakage current	< 0.25 mA / 240VAC
Output Protection	Over Voltage
Withstand Voltage	I/P-0/P:3.75K VAC Min.
Surge Protection	L-N :2KV
MTBF /DMTBF	518.9K HRS Min / 50,000 HRS @ TCASE 65°C
Capacitor Life Cycle	57288 HRS @ 40°C

OPTICS	
Optics Type	Glass Lens
MOC of Optics	Borosilicate 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



- 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



Actual Test Report

SERIAL NO.						
Mfg Date	11-01-2016.1:48:25 PM					
LED SR. No.	F14530518913					
DRIVER SR. NO.	HB42A79112					
Input	V	A	HZ	W	VA	PF
	241.87	0.286	50	31.13	69.17	0.45
Output	DC.V	DCA	DC.W	EFF	THD	
	36.88	0.706	26.05	83.68	A class	

Prepared By	Reviewed By	Approved By