

PRODUCT SPECIFICATIONS

PRODUCT NAME	LED Flame Proof Street Light
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Characteristics	Std. Value
Luminaries wattage	20 Watt
Input Voltage	230 V
Input Frequency	50 Hz
Input Current	0.4 A
Power Factor	NA
Athd.	CLASS A
Efficiency	83%
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

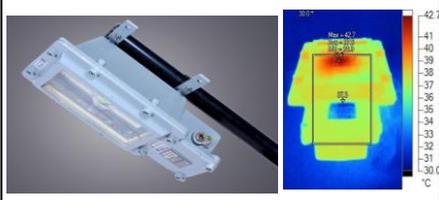
Model No	CLU038 - 1206		
LED type / No of LED Lamp	COB/ Single Lamp		
Total Lumen @Tc 25°C	2995	3141	3018
Lumen Efficacy (Lm/ Watt)	167 lm/W	175lm/W	168 lm/W
CCT / Color Rendering index	3000K / RA 70	5000K / RA 70	6500K / RA 80
SP Ratio	2-2.25		
MacAdam Ellipse Stage	STEP 3		
LED -Wattage/Current/Voltage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

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

Optics Type	Glass Lens
MOC of Optics	Borosilicate Glass
Secondary Optics	Toughned Glass

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	66°C
Case Temperature- T _c	55°C

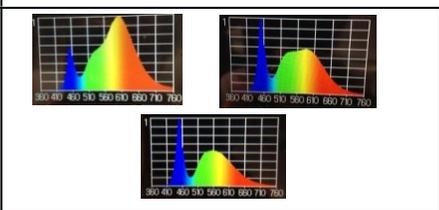
Product Photograph & Thermal Image



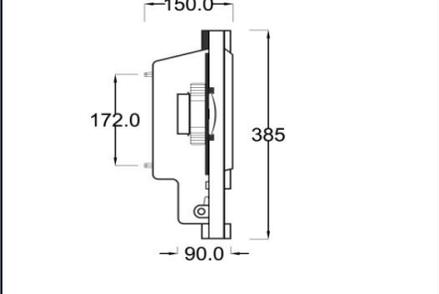
Reference Documents

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

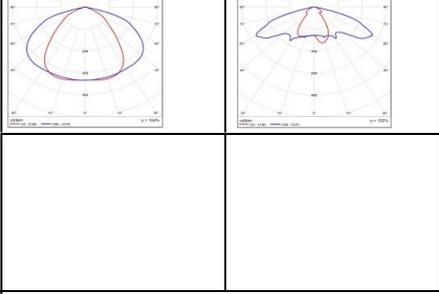
LED Spectrum



Schematic Drawing



Light Distribution Diagram



Actual Test Report

SERIAL NO.						
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	DCA	DC.W	EFF	THD	
	36.88	0.490	18.06	82.97	A class	

Prepared By	Reviewed By	Approved By