

**PRODUCT SPECIFICATIONS**

<b>PRODUCT NAME</b>	<b>LED Flame Proof Street Light</b>
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Characteristics	Std. Value
Luminaries wattage	60 Watt
Input Voltage	230 V
Input Frequency	50 H <sub>z</sub>
Input Current	0.6 A
Power Factor	> 0.90
Athd.	CLASS C
Efficiency	87%
Light Spreading Angle	120° x 60°
Temperature Class	T6
IP Standard	IP66
Total Weight	12.2Kg
Starting Time	Rapid ( 0.2 Sec)
Guarantee	3 Years including FLUX/CCT/CRI

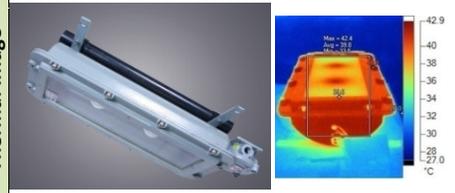
LED LAMP MAKE – CITIZEN JAPAN	Std. Value		
Model No	CLU038 - 1208		
LED type / No of LED Lamp	COB/ Double Lamp		
Total Lumen @Tc 25°C	8704	9070	8716
Lumen Efficacy (Lm/ Watt)	160 lm/W	168 lm/W	161 lm/W
CCT / Color Rendering index	3000K / RA 70	5000K / RA 70	6500K / RA 80
SP Ratio	2-2.25		
MacAdam Ellipse Stage	STEP 3		
LED -Wattage/Current/Voltage	54W / 1504mA/ 35.9 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	Std. Value		
Model No	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		

OPTICS	Std. Value		
Optics Type	Glass Lens		
MOC of Optics	Borosilicate Glass		
Secondary Optics	Toughned Glass		

FIXTURE \ HEAT SINK	Std. Value		
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>	68°C		
Case Temperature- T <sub>c</sub>	55°C		

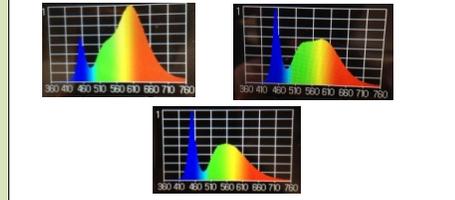
Product Photograph & Thermal Image



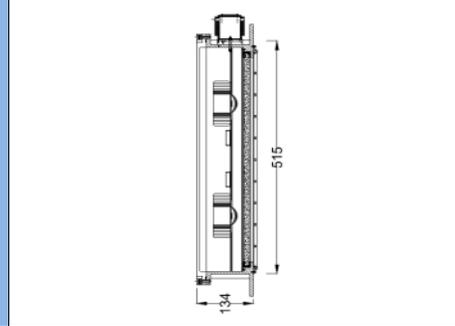
Reference Documents

1. Power Analyser Report With Harmonics
2. Electrical Efficiency Reprt
3. Spectroradiometric Test Report
4. TRT Report
5. LM 79 Report
6. IP 66 Test Report
7. LM 70, LM 80 Report

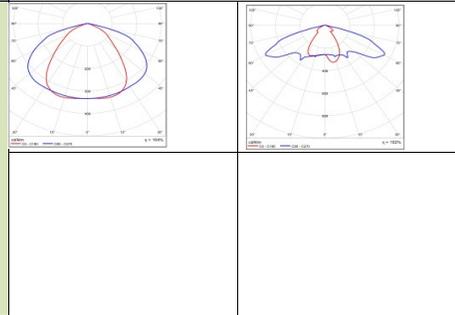
LED Spectrum



Schematic Drawing



Light Distribution Diagram



Actual Test Report

SERIAL NO.						
Mfg Date		11-01-2016.10:48:48 PM				
LED SR. No.		F14530518925				
DRIVER SR. NO.		HB42A79189				
Input	V	A	HZ	W	VA	PF
	239.45	0.278	50	61.91	66.57	0.93
Output	DC.V	DCA	DC.W	EFF	THD	
	53.87	1.004	54.09	87.37	C class	

<b>Prepared By</b>	<b>Reviewed By</b>	<b>Approved By</b>