

PRODUCT SPECIFICATIONS

PRODUCT NAME	LED Flame Proof Flood Light
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Characteristics	Std. Value
LUMINARIES	
Luminaries wattage	120 Watt
Input Voltage	230 V
Input Frequency	50 Hz
Input Current	0.9A
Power Factor	> 0.95
Athd.	CLASS C
Efficiency	91%
Light Spreading Angle	60° / 90° / 120°
Temperature Class	T6
IP Standard	IP66
Total Weight	16.46Kg
Starting Time	Rapid (0.2 Sec)
Guarantee	5 Years including FLUX/CCT/CRI

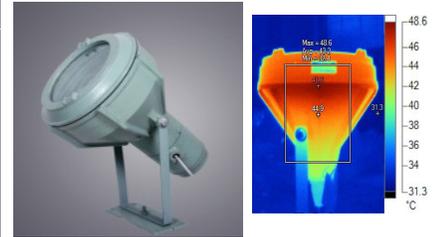
LED LAMP			
MAKE – CITIZEN JAPAN			
Model No	CLU048 - 1818		
LED type / No of LED Lamp	COB/ Single Lamp		
Total Lumen @Tc 25°C	16903	17725	17032
Lumen Efficacy (Lm/ Watt)	151 lm/W	158 lm/W	152 lm/W
CCT / Color Rendering index	3000K / RA 70	5000K / RA 70	6500K / RA 80
SP Ratio	2-2.25		
MacAdam Ellipse Stage	STEP 3		
LED -Wattage/Current/Voltage	112W / 2040mA/ 54.9 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	
Model	ELG-150-54
Type of Driver	Constant Current (CC)
Input Voltage Range	180 ~ 295V AC
Frequency Range	47 ~ 63Hz
Inrush current	COLD START 65A
Leakage current	< 0.75 mA / 277V AC
Output Protection	Short Circuit, Over Voltage, Over Current, Over Temperature.
Withstand Voltage	I/P-0/P:3.75K VAC Min.
Surge Protection	L-N :4KV, L-N-PE:6KV
MTBF /DMTBF	313.66K HRS min / 50,000 HRS @ TCASE 75°C
Capacitor Life Cycle	48117 HRS @ 60°C

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

FIXTURE \ HEAT SINK	
Make of Fixture	Saix
Certification	CMRI Certified including LED Lamp
Heat Sink Make	(Own Design)
MOC – Heat Sink	Aluminum Extrusion - LM 06
Junction Temperature -T _J	74°C
Case Temperature- T _C	55°C

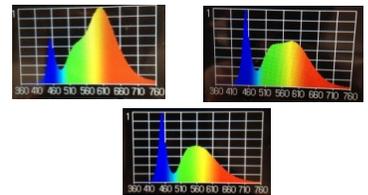
Product Photograph & Thermal Image



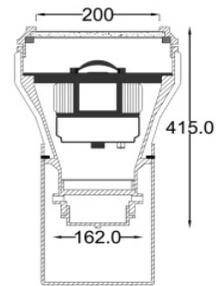
Reference Documents

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

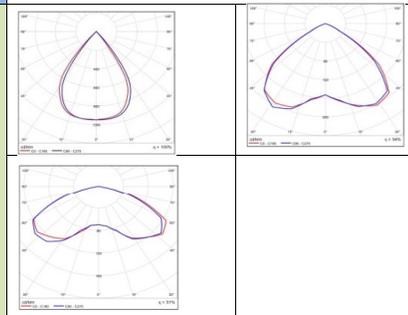
LED Spectrum



Schematic Drawing



Light Distribution Diagram



Actual Test Report

SERIAL NO.						
Mfg Date		16-01-2016.1:18:02 PM				
LED SR. No.		F14530518584				
DRIVER SR. NO.		HB42A79190				
Input	V	A	Hz	W	VA	PF
	242.01	0.527	50	122.44	127.54	0.96
Output	DC.V	DC.A	DC.W	EFF	THD	
	56.05	2.017	113.06	92.34	C class	

Prepared By	Reviewed By	Approved By