

PRODUCT SPECIFICATIONS

PRODUCT NAME	LED Flame Proof Flood Light
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Characteristics	Std. Value
Luminaries wattage	130 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	16.68Kg
Starting Time	Rapid (0.2 Sec)
Guarantee	5 Years including FLUX/CCT/CRI

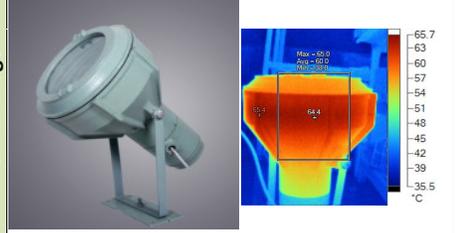
LED LAMP	MAKE – CITIZEN JAPAN
Model No	CLU048 - 1818
LED type / No of LED Lamp	COB/ Single Lamp
Total Lumen @Tc 25°C	17750 18613 17886
Lumen Efficacy (Lm/ Watt)	149 lm/W 156 lm/W 150 lm/W
CCT / Color Rendering index	3000K / RA 70 5000K / RA 70 6500K / RA 80
SP Ratio	2-2.25
MacAdam Ellipse Stage	STEP 3
LED -Wattage/Current/Voltage	119W / 2155mA/ 55.2 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	88°C
Case Temperature- T _C	68°C

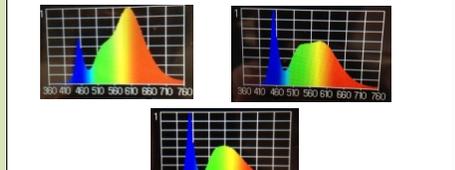
Product Photograph & Thermal Image



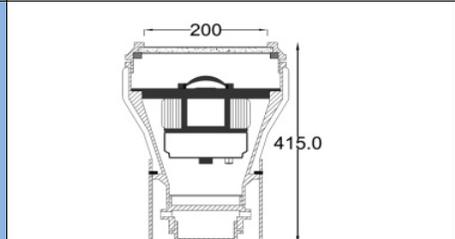
Reference Documents

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

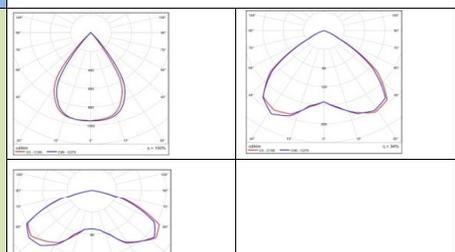
LED Spectrum



Schematic Drawing



Light Distribution Diagram



Actual Test Report

SERIAL NO.							
Mfg Date		16-01-2016.1:35:02 PM					
LED SR. No.		F14530518585					
DRIVER SR. NO.		HB42A79191					
Input	V	A	Hz	W	VA	PF	
	240.36	0.570	50	131.52	137.01	0.96	
Output	DC.V	DC.A	DC.W	EFF	THD		
	55.90	2.129	119.02	90.49	C class		

Prepared By	Reviewed By	Approved By