

PRODUCT SPECIFICATIONS

PRODUCT NAME	LED Flame Proof Flood Light
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Characteristics	Std. Value
LUMINARIES	
Luminaries wattage	60 Watt
Input Voltage	230 V
Input Frequency	50 Hz
Input Current	0.6 A
Power Factor	> 0.90
Athd.	CLASS C
Efficiency	87%
Light Spreading Angle	60° / 90° / 120°
Temperature Class	T6
IP Standard	IP66
Total Weight	12Kg
Starting Time	Rapid (0.2 Sec)
Guarantee	3 Years including FLUX/CCT/CRI

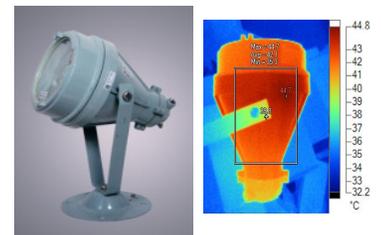
LED LAMP			
Model No	CLU048 - 1812		
LED type / No of LED Lamp	COB/ Single Lamp		
Total Lumen @Tc 25°C	8874	9303	8939
Lumen Efficacy (Lm/ Watt)	164 lm/W	172 lm/W	165 lm/W
CCT / Color Rendering index	3000K / RA 70	5000K / RA 70	6500K / RA 80
SP Ratio	2-2.25		
MacAdam Ellipse Stage	STEP 3		
LED -Wattage/Current/Voltage	54W / 1013mA/ 53.3 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	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-O/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	
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

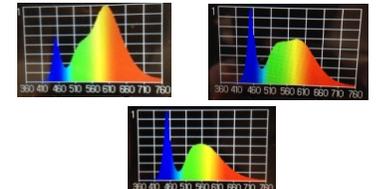
Product Photograph & Thermal Image



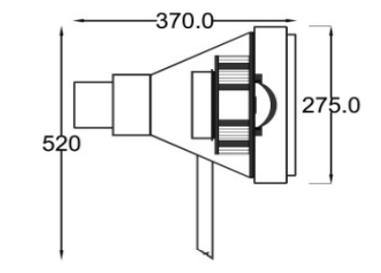
Reference Documents

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

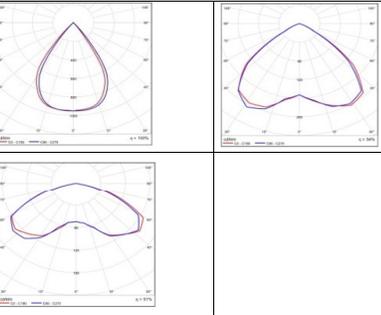
LED Spectrum



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	DC.A	DC.W	EFF	THD		
	53.87	1.004	54.09	87.37	C class		

Prepared By	Reviewed By	Approved By