



ideal Lighting Systems Pvt. Ltd.

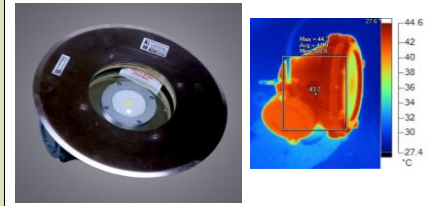


PRODUCT SPECIFICATIONS

PRODUCT NAME	LED Flame Proof Clean Room	Doc No. - ILS/FP/SPC-26/00
PRODUCT CODE	FLPCRRD-20-XX-YY	Date : 01.04.2016

Characteristics		Std. Value	
LUMINARIES	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°	
	Temperature Class	T6	
	IP Standard	IP66	
	Total Weight	4.2Kg	
	Starting Time	Rapid (0.2 Sec)	
	Guarantee	2 Years including FLUX/CCT/CRI	
LED LAMP MAKE - CITIZEN JAPAN	Model No	CLU038 - 1206	
	LED type / No of LED Lamp	COB/ Single Lamp	
	Total Lumen @Tc 25°C	2995	3141
	Lumen Efficacy (Lm/ Watt)	167 lm/W	175lm/W
	CCT / Color Rendering index	3000K / RA 70	5000K / RA 70
	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	
LED DRIVER MAKE - MEANWELL	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-O/P:3.75K VAC	
	Surge Protection	L-N :2KV	
	MTBF /DMTBF	518.9K HRS Min / 50,000 HRS @ TCASE 60°C	
OPTICS	Capacitor Life Cycle	48617 HRS @ 40°C	
	Optics Type	Glass Diffuser	
	MOC of Optics	Borosilicate Diffused Glass	
FIXTURE \ HEAT SINK	Secondary Optics	Toughened Glass	
	Make of Fixture	Sudhir	
	Certification	CMRI Certified including LED Lamp	
	Heat Sink Make	ILS (Own Design)	
	MOC – Heat Sink	Aluminum Extrusion - LM 06	
	Junction Temperature -T _j	66°C	
	Case Temperature- T _c	55°C	

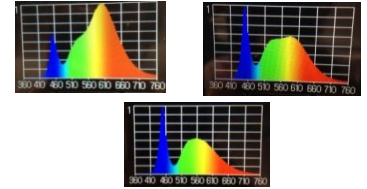
Product Photograph &
Thermal Image



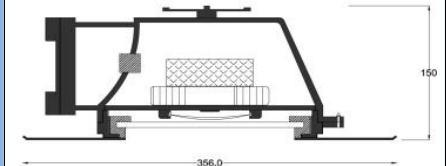
Reference Documents

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

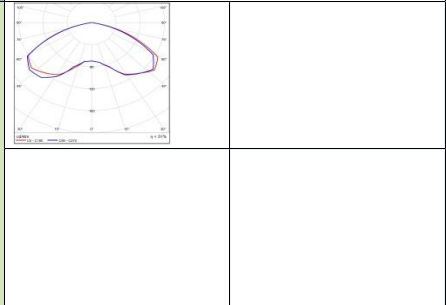
LED Spectrum



Schematic Drawing



Light Distribution Diagram



Actual Test Report

SERIAL NO.		ILS-4020144					
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		

ILS SPECIALITY : This Fixture is providing required spreaded illumination level without Glare through diffused light. ILS products are having Precise Thermal management for longer life and Precise light spreading angle for required illumination.

Prepared By	Reviewed By	Approved By