

**PRODUCT SPECIFICATIONS**

<b>PRODUCT NAME</b>	<b>LED Weather Proof Clean Room Light</b>
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Characteristics	Std. Value	
<b>LUMINARIES</b>	Luminaries wattage	30 Watt
	Input Voltage	230 V
	Input Frequency	50 H <sub>z</sub>
	Input Current	0.5 A
	Power Factor	NA
	Athd.	CLASS A
	Electrical Efficiency	84%
	Light Spreading Angle	120°
	Temperature Class	T6
	IP Standard	IP65
	Total Weight	2 Kg
	Starting Time	Rapid ( 0.2 Sec)
	Guarantee	2 Years including FLUX/CCT/CRI

<b>LED LAMP</b> MAKE – CITIZEN JAPAN	Model No	CLU038 - 1208		
	LED type / No of LED Lamp	COB/ Single Lamp		
	Total Lumen @Tc 25°C	4194	4398	4226
	Lumen Efficacy (Lm/ Watt)	161 lm/W	169 lm/W	162 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		

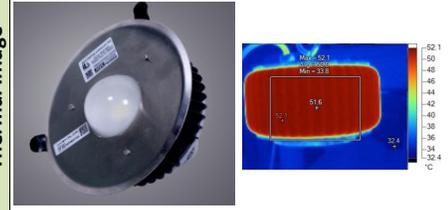
<b>LED DRIVER MAKE - MEANWELL</b>	LED -Wattage/Current/Voltage	26 W / 727ma/ 35.8 V @Tc 25°C		
	Lamp Life	1,00,000 Hours Min.		
	Certifications / Reports	LM70, LM80/Photo Bio. Test / Vibration Test		
	Identification Feature	Unique Serial No. Printed on each Lamp		
	Actual Test Report of CITIZEN LED Lamp	Actual Operating test Report for 63,000Hrs		

<b>OPTICS</b>	Model No	APC-35-700		
	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-0/P:3.75K VAC Min.		
	Surge Protection	L-N :2KV		
	MTBF /DMTBF	518.9K HRS Min / 50,000 HRS @ TCASE 65°C		

<b>OPTICS</b>	Optics Type	Glass Lens		
	MOC of Optics	Borosilicate Diffused Glass		

<b>FIXTURE \ HEAT SINK</b>	Make of Fixture	ILS Pvt. Ltd.		
	Heat Sink Make	(Own Design)		
	MOC – Heat Sink	Aluminum Extrusion - LM 06		
	Junction Temperature -T <sub>J</sub>	73°C		
	Case Temperature- T <sub>C</sub>	60°C		

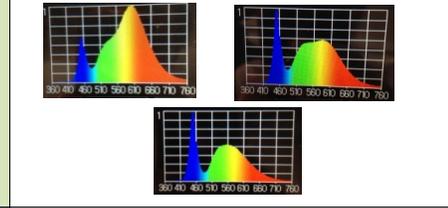
Product Photograph & Thermal Image



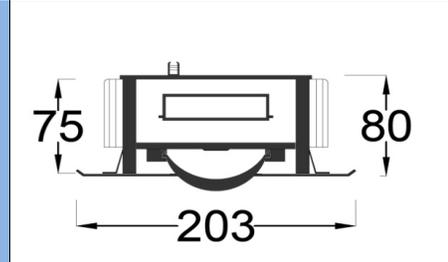
Reference Documents

1. Power Analyser Report With Harmonics
2. Electrical Efficiency Reprot
3. Spectroradiometric Test Report
4. TRT Report
5. LM 79 Report
6. IP 65 Test Report
7. LM 70, LM 80 Report

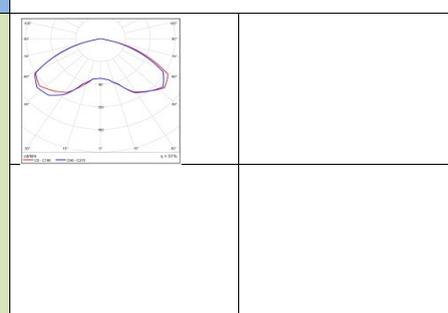
LED Spectrum



Schematic Drawing



Light Distribution Diagram



Actual Test Result

SERIAL NO.						
Mfg Date		11-01-2016.1:48:25 PM				
LED SR. No.		F14530518913				
DRIVER SR. NO.		HB42A79112				
Input	V	A	HZ	W	VA	PF
	241.87	0.286	50	31.13	69.17	0.45
Output	DC.V	DC.A	DC.W	EFF	THD	
	36.88	0.706	26.05	83.68	A class	

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