



ideal Lighting Systems Pvt. Ltd.



PRODUCT SPECIFICATIONS

PRODUCT NAME	LED Weather Proof Street Light	Doc No. - ILS/WP/SPC-143/0
PRODUCT CODE	WPSLCS5-180-XX-YY	Date : 01.04.2016

Characteristics	Std. Value
Luminaries wattage	180 Watt
Input Voltage	230 V
Input Frequency	50 H _z
Input Current	0.9 A
Power Factor	> 0.95
Athd.	CLASS C
Efficiency	94%
Light Spreading Angle	120°x 60° / 140°x 60° / 160°x 60°
Temperature Class	T6
IP Standard	IP65
Total Weight	7.06 Kg
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	26360	27640	26562
	Lumen Efficacy (Lm/ Watt)	159 lm/W	166 lm/W	161 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	165.6W / 3100 mA/ 53.4 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	HLG- 185-54
	Type of Driver	Constant Current (CC)
	Input Voltage Range	90VAC ~ 305 VAC
	Frequency Range	47 ~ 63Hz
	Inrush current	COLD START 65A
	Leakage current	< 0.75 mA / 240VAC
	Output Protection	Short Circuit, Over Voltage, Over Current, Over Temperature.
	Withstand Voltage	I/P-O/P:3.75K VAC Min.
	Surge Protection	L-N :4KV
	MTBF /DMTBF	192.2 KHRS Min / 50,000 HRS @ TCASE 75°C
Capacitor Life Cycle	59681 HRS @ 60°C	

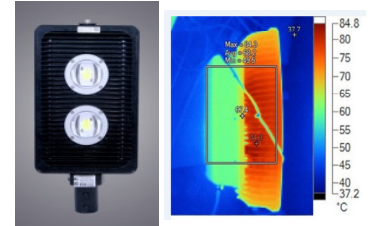
LED DRIVER MAKE - MEANWELL	Optics Type	Glass Lens
	MOC of Optics	Borosilicate Glass
	Optics Efficiency	96%

OPTICS	Make of Fixture	ILS Pvt.Ltd.
	Heat Sink Make	ILS (Own Design)
	MOC – Heat Sink	Aluminum Casting - LM 06
	Junction Temperature -T _j	99°C
	Case Temperature- T _c	85°C

ILS SPECIALITY : This Fixture is having Lowest Thermal Resistance and single optics. ILS products are having Precise Thermal Management for longer life and Precise light spreading angle for required illumination.

Prepared By	Reviewed By	Approved By

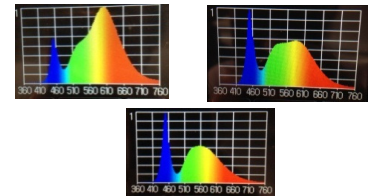
Product Photograph & Thermal Image



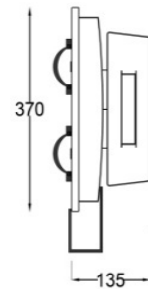
Reference Documents

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

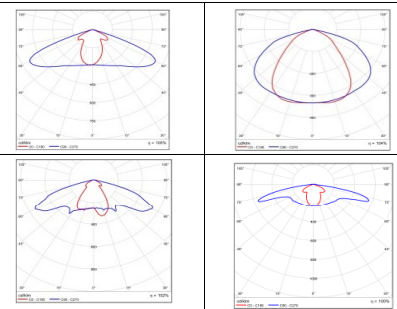
LED Spectrum



Schematic Drawing



Light Distribution Diagram



Actual Test Result

SERIAL NO.	ILS-60202582					
Mfg Date	16-01-2016.3:15:06 PM					
LED SR. No.	F14530518874					
DRIVER SR. NO.	HB42A79136					
Input	V	A	HZ	W	VA	PF
	240.58	0.779	50	181.79	187.41	0.97
Output	DC.V	DC.A	DC.W	EFF	THD	
	55.99	2.984	167.05	91.89		C class