



ideal Lighting Systems Pvt. Ltd.

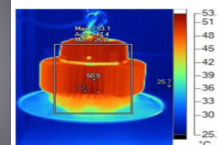


PRODUCT SPECIFICATIONS

PRODUCT NAME	LED Weather Proof Bay Light - Gem	Doc No. - ILS/WP/SPC-100/0
PRODUCT CODE	WPHBCHB-80-XX-YY	Date : 01.04.2016

Characteristics		Std. Value		
LUMINARIES	Luminaries wattage	80 Watt		
	Input Voltage	230 V		
	Input Frequency	50 H _z		
	Input Current	0.5 A		
	Power Factor	> 0.95		
	Athd.	CLASS C		
	Efficiency	91%		
	Light Spreading Angle	60° / 90° / 120°		
	Temperature Class	T6		
	IP Standard	IP65		
	Total Weight	4.5 Kg		
	Starting Time	Rapid (0.2 Sec)		
	Guarantee	5 Years including FLUX/CCT/CRI		
LED LAMP MAKE – CITIZEN JAPAN	Model No	CLU048 - 1812		
	LED type / No of LED Lamp	COB/ Single Lamp		
	Total Lumen @Tc 25°C	11254	11798	11336
	Lumen Efficacy (Lm/ Watt)	156 lm/W	164 lm/W	157 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	72W / 1316ma/ 54.7 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	HBG-100-60		
	Type of Driver	Constant Current (CC)		
	Input Voltage Range	90VAC ~ 305 VAC		
	Frequency Range	47 ~ 63Hz		
	Inrush current	COLD START 60A		
	Leakage current	< 0.75 mA / 240VAC		
	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		
	MTBF /DMTBF	300 KHRS Min / 50,000 HRS @ TCASE 70°C		
	Capacitor Life Cycle	50922 HRS @ 50°C		
OPTICS	Optics Type	Glass Lens / Diffuser		
	MOC of Optics	Borosilicate Glass		
FIXTURE \ HEAT SINK	Make of Fixture	ILS Pvt.Ltd.		
	Heat Sink Make	ILS (Own Design)		
	MOC – Heat Sink	Aluminum Casting - LM 06		
	Junction Temperature - T _J	78°C		
	Case Temperature- T _C	60°C		

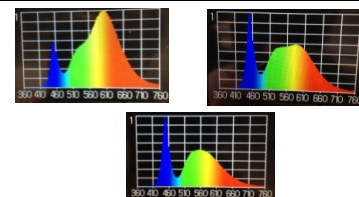
Product Photograph &
Thermal Image



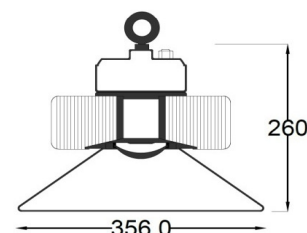
Reference Documents

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

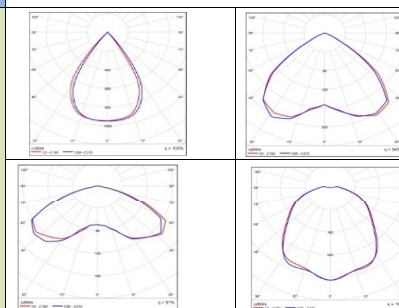
LED Spectrum



Schematic Drawing



Light Distribution Diagram



Actual Test result

SERIAL NO.		ILS-4020150				
Mfg Date		11-01-2016.10:18:02 PM				
LED SR. No.		F14530518155				
DRIVER SR. NO.		HB42A79159				
Input	V	A	HZ	W	VA	PF
	240.25	0.360	50	81.30	86.49	0.94
Output	DC.V	DCA	DC.W	EFF	THD	
	54.02	1.344	72.59	89.29	C class	

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