



ideal Lighting Systems Pvt. Ltd.



PRODUCT SPECIFICATIONS

PRODUCT NAME	LED Weather Proof Bay Light - Platinum	Doc No. - ILS/WP/SPC-123/0
PRODUCT CODE	WPMBEHB-60-XX-YY	Date : 01.04.2016

Characteristics		Std. Value
LUMINARIES	Luminaries wattage	60 Watt
	Input Voltage	230 V
	Input Frequency	50 Hz
	Input Current	0.4 A
	Power Factor	> 0.95
	Athd.	CLASS C
	Efficiency	90%
	Light Spreading Angle	60° / 90° / 120°
	Temperature Class	T6
	IP Standard	IP65
	Total Weight	2.65 Kg
	Starting Time	Rapid (0.2 Sec)
Guarantee	5 Years including FLUX/CCT/CRI	

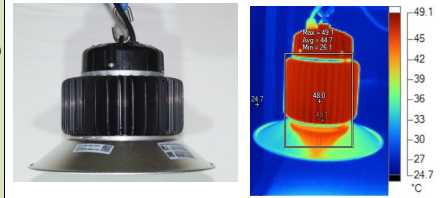
LED LAMP MAKE – CITIZEN JAPAN	Make	Citizen		
	LED type / No of LED Lamp	COB/ Single Lamp		
	Total Lumen @Tc 25°C	8874 lm	9303 lm	8939 lm
	Lumen Efficacy (Lm/ Watt)	164 lm/W	172 lm/W	165 lm/W
	CCT / Color Rendering index	3000K / RA 70	5000K / RA 70	6500K / RA 80
	SP Ratio	2-2.25		
	MacAdam Ellipse Stage	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		

LED DRIVER MAKE - MEANWELL	Make	HBG-60-1400		
	Type of Driver	Constant Current (CC)		
	Input Voltage Range	90VAC ~ 295 VAC		
	Frequency Range	47 ~ 63Hz		
Inrush current	COLD START 45A			
Leakage current	< 0.75 mA / 240VAC			
Output Protection	Short Circuit, Over Temperature			
Withstand Voltage	I/P-0/P:3.75K VAC Min.			
Surge Protection	L-N :2KV			
MTBF /DMTBF	452K HRS Min / 50,000 HRS @ TCASE 75°C			
Capacitor Life Cycle	67540 HRS @ 50°C			

OPTICS	Optics Type	Glass Lens / Diffuser		
	MOC of Optics	Borosilicate Glass		

FITTURE \ HEAT SINK	Make of Fixture	ILS Pvt.Ltd.		
	Heat Sink Make	ILS (Own Design)		
	MOC – Heat Sink	Aluminum Extrusion - LM 06		
	Junction Temperature -T _J	73°C		
	Case Temperature- T _C	60°C		

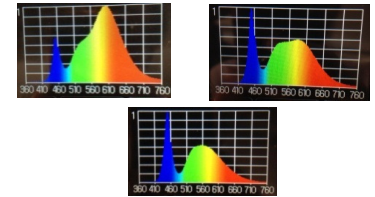
Product Photograph & Thermal Image



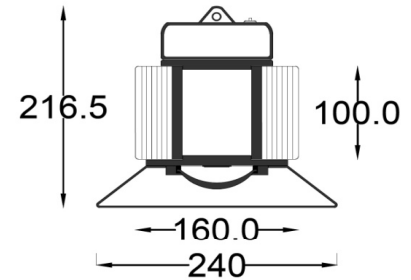
Reference Documents

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

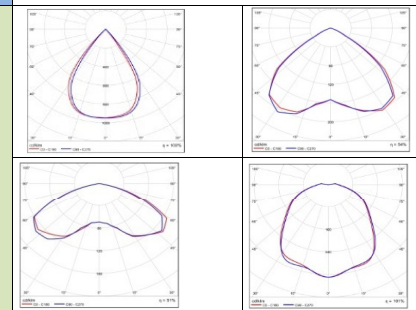
LED Spectrum



Schematic Drawing



Light Distribution Diagram



Actual Test result

SERIAL NO.		ILS-4020149					
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	DCA	DC.W	EFF	THD		
	53.87	1.004	54.09	87.37	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