



# ideal Lighting Systems Pvt. Ltd.



## PRODUCT SPECIFICATIONS

PRODUCT NAME	LED Weather Proof Bay Light - Pearl	Doc No. - ILS/WP/SPC-118/0
PRODUCT CODE	WPHBCCB-180-XX-YY	Date : 01.04.2016

Characteristics	Std. Value
Luminaries wattage	180 Watt
Input Voltage	230 V
Input Frequency	50 Hz
Input Current	0.9 A
Power Factor	> 0.95
Athd.	CLASS C
Efficiency	94%
Light Spreading Angle	60° / 90° / 120°
Temperature Class	T6
IP Standard	IP65
Total Weight	5.5 Kg
Starting Time	Rapid ( 0.2 Sec)
Guarantee	5 Years including FLUX/CCT/CRI

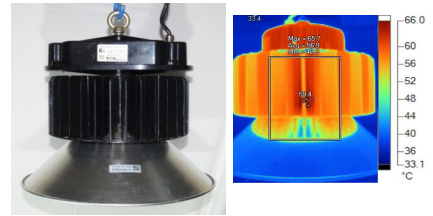
LED LAMP	MAKE - CITIZEN JAPAN
Model No	CLU048 - 1818
LED type / No of LED Lamp	COB/ Single Lamp
Total Lumen @Tc 25°C	23046      24166      23222
Lumen Efficacy (Lm/ Watt)	139 lm/W      146 lm/W      140 lm/W
CCT / Color Rendering index	3000K / RA 70      5000K / RA 70      6500K / RA 80
SP Ratio	2-2.25

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-0/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

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 <sub>J</sub>	95°C
Case Temperature- T <sub>C</sub>	68°C

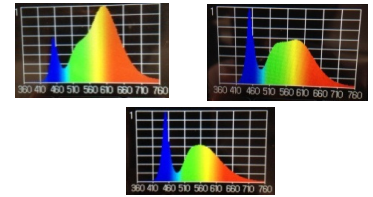
Product Photograph & Thermal Image



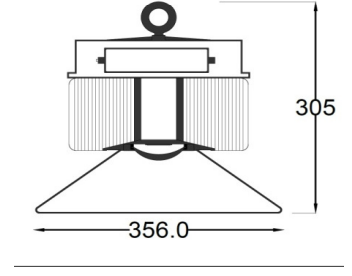
Reference Documents

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

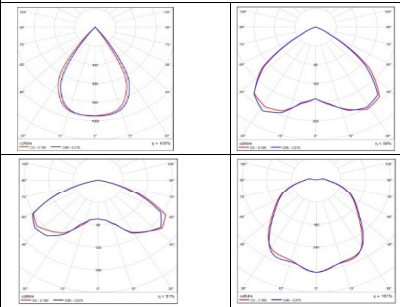
LED Spectrum



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	

**ILS SPECIALITY : This Fixure 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