

## DATASHEET

SPECIFICATIONS OF LUMINARY.	
Luminaries wattage	23 Watt (+/- 5%)
Input Voltage	230 VAC
Input Frequency	50 Hz
Input Current	0.154A
Efficiency	>83%
Temperature Class	T6
IP Standard	IP 65
Total Weight	1.4 Kg
Starting Time	Instant ( 0.2 Sec)
Light Spreading Angle	60° x 120°
Guarantee	2 Years on LED DRIVER
Guarantee	3 Years on COB LED
Guarantee	3 Years on FLUX/CCT/CRI

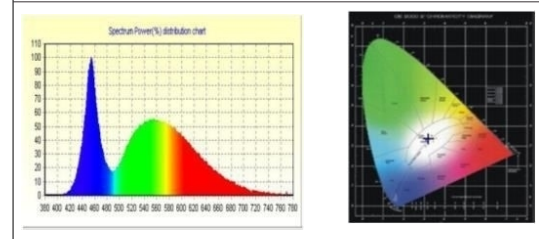
ORDERING CODE: MSL23MW



SPECIFICATIONS OF LED		MAKE : CITIZEN JAPAN
Model No	CLU-028-1204 V6	
LED type / No of LED Lamp	COB/ Single	
Total Lumen (As per simulation Tool)	2617	
Lumen Efficacy (Lm/ Watt)	148 lm/W @ 60° C LED Tc	
Lumen Efficacy (Lm/ Watt) (Incl. all loses)	113 lm/W @ 60° C LED Tc	
Color / Color Rendering index	CCT 6500K / RA 70	
SP Ratio	2.25	2.25
MAC ADAM ELIP STAGE	STEP 3	
LED -Wattage/Current/Voltage	18.7 W / 500 mA /37.4 V	
Lamp Life	1,60,000 Hours Min.	
Certifications / Reports	LM80/Photo Bio. Test	
Actual Tested Report	Actual Operating test Report for 63,000Hrs	
Identification Method	Unique Serial No. Printed on each Lamp	

**CITIZEN**  
Micro HumanTech

### LED SPECTRUM



SPECIFICATIONS OF LED DRIVER		MAKE - MEANWELL
Model No	APC-25-500	
Type of Driver	Constant Current	
Input Voltage Range	90 - 264 VAC	
Frequency Range	47 - 63 Hz	
Inrush current	Cold Start 45A	
Leakage current	0.25mA/ 277VAC	
Output Protection	Short Circuit, Over Voltage/ Current/ Temperature	
Withstand Voltage	I/P-O/P : 3KVAC	
Surge Protection	L-N : 2KV	
MTBF /DMTBF	518.9 Khrs min.	
Capacitor Life Cycle	48617 Hrs @ 40°C	

SPECIFICATIONS OF OPTICS	
Optics Type	Glass Lens
MOC of Optics	Borosilicate Glass
Optics Efficiency	96%

SPECIFICATIONS OF FIXTURE \ HEAT SINK	
Certification	IP 65
MOC Fixture	Aluminum Diecasting
Junction Temperature -Tj	75°C
Case Temperature- Tc	60°C