

DATASHEET

SPECIFICATIONS OF LUMINARY.	
Luminaries wattage	120 Watt (+/- 5%)
Input Voltage	230 VAC
Input Frequency	50 Hz
Input Current	0.593A
Power Factor	> 0.99
Athd.	CLASS C
Efficiency	93.5%
Temperature Class	T6
IP Standard	IP 65
Total Weight	3.85 Kg
Starting Time	Instant (0.2 Sec)
Light Spreading Angle	60°/90°/120°/60° x 120°
Guarantee	3 Years on LED DRIVER
Guarantee	5 Years on COB LED
Guarantee	3 Years on FLUX/CCT/CRI

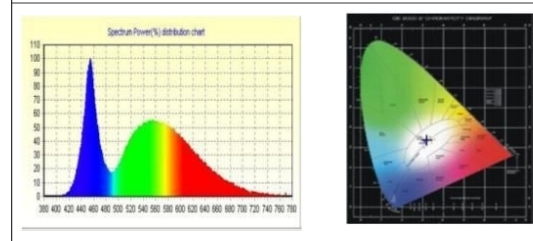
ORDERING CODE: MSL120MW



SPECIFICATIONS OF LED		MAKE : CITIZEN JAPAN
Model No	CLU-048-1812	
LED type / No of LED Lamp	COB/ Single	
Total Lumen (As per simulation Tool)		15357
Lumen Efficacy (Lm/ Watt)		140 lm/W @ 60° C LED Tc
Lumen Efficacy (Lm/ Watt) (Incl. all losses)		128 lm/W @ 60° C LED Tc
Color / Color Rendering index		CCT 6500K / RA 70
SP Ratio	2.25	
MAC ADAM ELIP STAGE	STEP 3	
LED -Wattage/Current/Voltage	111.1 W / 2000 mA /55.80 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	ELG 150 54	
Type of Driver	Constant Current	
Input Voltage Range	100 - 305 VAC, 142 - 431 VDC	
Frequency Range	47 - 63 Hz	
Inrush current	Cold Start 65A	
Leakage current	0.75mA/ 277VAC	
Output Protection	Short Circuit, Over Voltage/ Current/ Temperature	
Withstand Voltage	I/P-O/P : 3.75KVAC	
Surge Protection	L-N : 2KV, L,N-PE : 4KV	
MTBF /DMTBF	313.66 Khrs min. / 40,000 Hrs @ 70°C	
Capacitor Life Cycle	32869 Hrs @ 60°C	

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

SPECIFICATIONS OF FIXTURE \ HEAT SINK	
Make of Fixture	Eminent Lighting Company
Certification	IP 65
MOC Fixture	Aluminum Diecasting LM6
Junction Temperature -Tj	86°C
Case Temperature- Tc	60°C