

DATASHEET

ORDERING CODE: MMB90MW

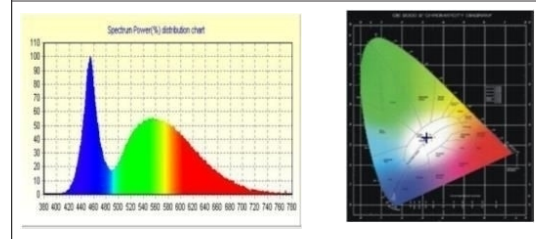
SPECIFICATIONS OF LUMINARY.	
Luminaries wattage	90 Watt (+/- 5%)
Input Voltage	230 VAC
Input Frequency	50 Hz
Input Current	0.391A
Power Factor	> 0.96
Athd.	CLASS C
Efficiency	91%
Temperature Class	T6
IP Standard	IP 60
Total Weight	3 Kg
Starting Time	Instant (0.2 Sec)
Light Spreading Angle	60°/90°/120°
Guarantee	3 Years on LED DRIVER
Guarantee	5 Years on COB LED
Guarantee	3 Years on FLUX/CCT/CRI



SPECIFICATIONS OF LED		MAKE : CITIZEN JAPAN
Model No	CLU-038-1210 V6	
LED type / No of LED Lamp	COB/ Single	
Total Lumen (As per simulation Tool)	10576	
Lumen Efficacy (Lm/ Watt)	127 lm/W @ 60° C LED Tc	
Lumen Efficacy (Lm/ Watt) (Incl. all loses)	117 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	82.8 W / 2190 mA /37.8 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 100- 42	
Type of Driver	Constant Current	
Input Voltage Range	100 - 305 VAC	
Frequency Range	47 - 63 Hz	
Inrush current	Cold Start 60A	
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 : 4KV, L,N-PE : 6KV	
MTBF /DMTBF	331 Khrs min.	
Capacitor Life Cycle	56870 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 60
MOC Fixture	Aluminum Extrusion - 6063
Junction Temperature -Tj	87°C
Case Temperature- Tc	60°C