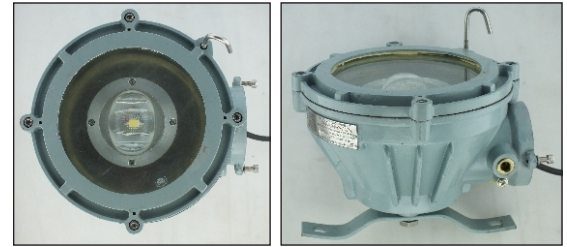


DATASHEET

ORDERING CODE: MBH23MW

SPECIFICATIONS OF LUMINARY.	
Luminaries wattage	23 Watt
Input Voltage	230 VAC
Input Frequency	50 Hz
Input Current	0.154A
Efficiency	83%
Temperature Class	T6
IP Standard	IP 65
Total Weight	6-8 Kg Approx
Starting Time	Instant (0.2 Sec)
Light Spreading Angle	90°/120°
Guarantee	2 Years on LED DRIVER
Guarantee	5 Years on COB LED
Guarantee	3 Years on FLUX/CCT/CRI

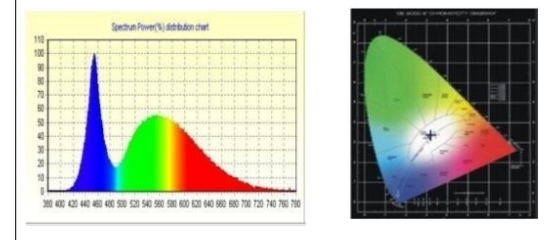


*Product image may subject to change for the purpose of product improvement.

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)		148lm/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	18.5 W / 500 mA /34.5 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 70A	
Leakage current	0.25mA/ 240VAC	
Output Protection	Short Circuit, Over Voltage/ Current/ Temperature	
Withstand Voltage	I/P-O/P : 3.75KVAC	
Surge Protection	L-N : 2KV	
MTBF /DMTBF	518.9 Khrs min. @ 25 °C	
Capacitor Life Cycle	48617 Hrs @ 40°C	

SPECIFICATIONS OF OPTICS	
Optics Type	Glass Lens
MOC of Optics	Borosilicate Glass
Optics Efficiency	90%(+/-5%)

SPECIFICATIONS OF FIXTURE \ HEAT SINK	
Make of Fixture	Eminent Lighting Company
Certification	IP 65
MOC Fixture	Aluminum Extrusion-6063
Junction Temperature -Tj	75°C
Case Temperature- Tc	60°C