

DATASHEET

ORDERING CODE: MPT45MW

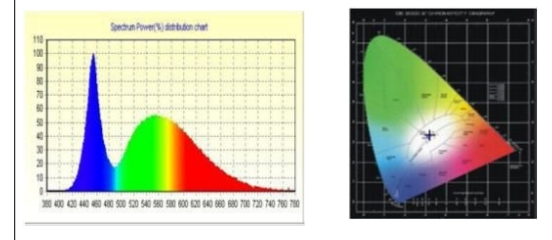


SPECIFICATIONS OF LUMINARY.	
Luminaries wattage	45 Watt (+/- 5%)
Input Voltage	230 VAC
Input Frequency	50 Hz
Input Current	0.205A
Power Factor	> 0.9
Athd.	CLASS C
Efficiency	>86%
Temperature Class	T6
IP Standard	IP 65
Total Weight	2.5 Kg
Starting Time	Instant (0.2 Sec)
Light Spreading Angle	90°/120°
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-038-1205	
LED type / No of LED Lamp	COB/ Single	
Total Lumen (As per simulation Tool)	5319	
Lumen Efficacy (Lm/ Watt)	133 lm/W @ 60° C LED Tc	
Lumen Efficacy (Lm/ Watt) (Incl. all loses)	118 lm/W @ 60° C LED Tc	
Color / Color Rendering index	CCT 5700K / RA 70	
SP Ratio	2.25	2.25
MAC ADAM ELIP STAGE	STEP 3	
LED -Wattage/Current/Voltage	39.4 W / 1050 ma /37.6 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	



LED SPECTRUM



SPECIFICATIONS OF LED DRIVER		MAKE - MEANWELL
Model No	PLD 60 1050	
Type of Driver	Constant Current	
Input Voltage Range	180 - 305 VAC	
Frequency Range	47 - 63 Hz	
Inrush current	Cold Start 25A	
Leakage current	0.5mA/ 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 : 2KV	
MTBF /DMTBF	458 Khrs min.	
Capacitor Life Cycle	42086 Hrs	

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 Extrusion - 6063
Junction Temperature -Tj	95°C
Case Temperature- Tc	62.4°C