

## DATASHEET

ORDERING CODE: MFL60MW

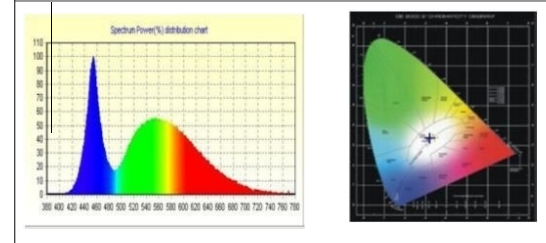
| SPECIFICATIONS OF LUMINARY. |                         |
|-----------------------------|-------------------------|
| Luminaries wattage          | 60 Watt (+/- 5%)        |
| Input Voltage               | 230 VAC                 |
| Input Frequency             | 50 Hz                   |
| Input Current               | 0.275A                  |
| Power Factor                | > 0.96                  |
| Athd.                       | CLASS C                 |
| Efficiency                  | >86%                    |
| Temperature Class           | T6                      |
| IP Standard                 | IP 65                   |
| Total Weight                | 3.5 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-038-1208 V6                            |                        |
| LED type / No of LED Lamp                   | COB/ Single                                |                        |
| Total Lumen (As per simulation Tool)        |  | 7078                   |
| Lumen Efficacy (Lm/ Watt)                   |  | 137 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 6500K / RA 70      |
| SP Ratio                                    | 2.25                                       | 2.25                   |
| MAC ADAM ELIP STAGE                         | STEP 3                                     |                        |
| LED -Wattage/Current/Voltage                | 53 W / 1400 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     |                        |

**CITIZEN**  
Micro HumanTech

### LED SPECTRUM



| SPECIFICATIONS OF LED DRIVER |   | MAKE - MEANWELL |
|------------------------------|---|-----------------|
| Model No                     | PLD-60-1400                                       |                 |
| Type of Driver               | Constant Current                                  |                 |
| Input Voltage Range          | 185 - 295 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 : 4KV                           |                 |
| MTBF /DMTBF                  | 458.852 Khrs min                                  |                 |
| Capacitor Life Cycle         | 49694 Hrs @ 50°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 Lm6 Grade |
| Junction Temperature -Tj              | 85°C                          |
| Case Temperature- Tc                  | 60°C                          |