**Data available through CCMS for LED Streetlight Operation**

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| **S. No.** | **Data/Profile Name** | **Data Frequency** | **Data Parameters** |
| 1 | **Instantaneous and average power consumption data of LED SL**  This profile is meant for on demand analysis purpose for ULB ant Utility  ULB use this data for on demand analysis of meter and display values. | On Demand | |  |  | | --- | --- | | 1 | Real time clock and monitoring | | 2 | Supply Voltage | | 3 | Load Current | | 4 | Tapping analysis | | 5 | Power Factor | | 6 | Astronomical Clock | | 7 | Apparent Power - VA | | 8 | Active Power- W | | 9 | Cum. Energy - Wh | | 10 | Cum. Energy - VAh | | 11 | Maximum load in particular interval | | 12 | Tripping alert | | 13 | Unit consumption | | 14 | Energy saving data | | 15 | 6 month data backup | | 16 | No. of light connected | | 17 | Incoming supply status | | 18 | On-OFF Duration | | 19 | Fault analysis | | 20 | Group level control of LED SL | |

**Analytics Use Cases CCMS**

1. **Fault analysis – Identification of power fault to decide the uptime of LED SL.**
2. **Energy Saving data – Cumulative Energy saving data gives the reduction in power consumption as well as reduction in greenhouse gas emission (GHG) which is major contributor in global warming.**
3. **Theft analysis- Identification of theft and unauthorized tapping through powerline.**
4. **Overload alert through message to the user mobile phone.**
5. **Zone-wise/ward wise monitoring of LED SL through CCMS data.**
6. **Control of LED SL on-off duration through timer.**
7. **Auto trip recovery and stabilization of LED SL operation post fault clearance**