OpenSky IoT Pole Mount Controller

Built on the global telecom standard that securely connects billions of devices today, our outdoor IoT lamp controller offers long-range, deep coverage, high availability, high security and managed LPWA network.

IoT communication enables the streetlights to connect directly to the local cellphone tower – thereby eliminating the need for a local Gateway.

Our uniquely designed IoT Pole-Mount Controller ensures universal lamp compatibility – even for traditional streetlights that do not have Nema receptacle. A single Controller can control up to 4 LED luminaires. This is specifically suitable for dual-armed and four-armed street poles.

Luminaires with OpenSky IoT Pole Mount controllers can be remotely monitored, managed and controlled using Twilight CityManager or a third-party open API compliant CMS. The smart controller delivers advanced system health analytics, power metering and asset management support.

It helps cities to easily upgrade their regular streetlights to intelligent streetlights – in turn, creating an ideal foundation for a Smart City.

Benefits

- Up to 60% energy savings
- Up to 50% maintenance cost reduction
- Substantial reduction in light pollution & CO2 emissions
- Wireless platform for Smart City

Features

- LTE Cat M1 / NB-IoT (NB2) / Edge (GPRS) communication
- Each IoT Pole Mount Controller can control up to 4 LEDs (total max. up to 480W)
- Universal luminaire compatibility via pole mount option
- Remote switch on / off / dimming
- 0-10 V / DALI dimming interface
- In-built Ambient light sensor / Photocell
- IP66 rated
- Accurate energy metering
- Mounting on twin / dual-armed / four-armed street poles reduces cost
- Autonomous, AstroClock and Calendar-based dimming
- In-built GPS
- Integrated 5.5 meter Cable for ease of Installation
- No Gateway needed
- Remote management & control via CityManager and third-party software (open API)