

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.



Features



LTE Cat M1 / NB-IoT (NB2) / Edge (EGPRS) 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)

Benefits



Up to 60% energy savings



Up to 50% maintenance cost reduction



Substantial reduction in light pollution & CO2 emissions



Wireless platform for Smart City