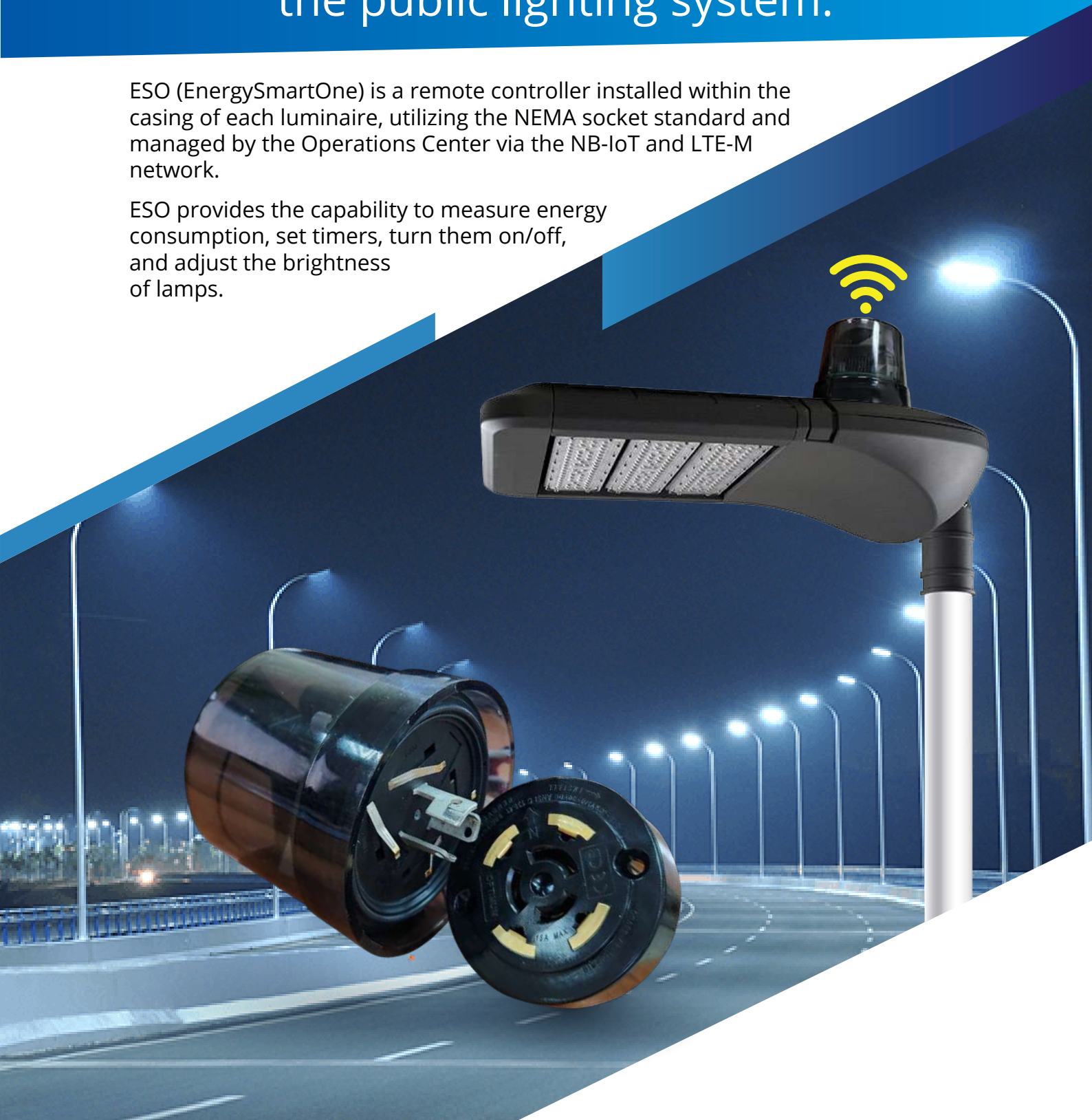
DFM
CONSEIL . EXPERTISE . INGENIERIE

EnergySmartOne

Monitoring and control of activities for the public lighting system.

ESO (EnergySmartOne) is a remote controller installed within the casing of each luminaire, utilizing the NEMA socket standard and managed by the Operations Center via the NB-IoT and LTE-M network.

ESO provides the capability to measure energy consumption, set timers, turn them on/off, and adjust the brightness of lamps.

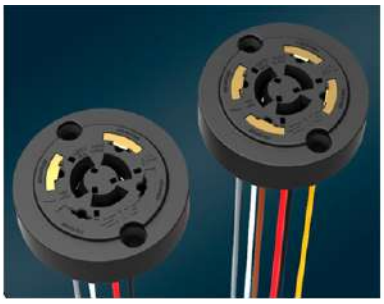


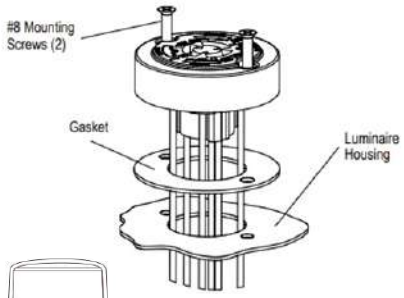
Install and deploy : Compatible with luminaires equipped with a NEMA port, which simplifies the installation and deployment process. This can reduce the required labor and material costs.

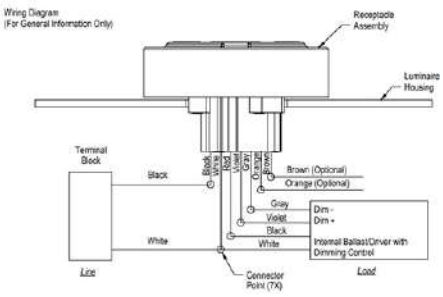
Energy Savings : ESO has the capability to schedule the activation and deactivation of lights as well as adjust their brightness, enabling energy saving, reducing operational costs, and maintenance.

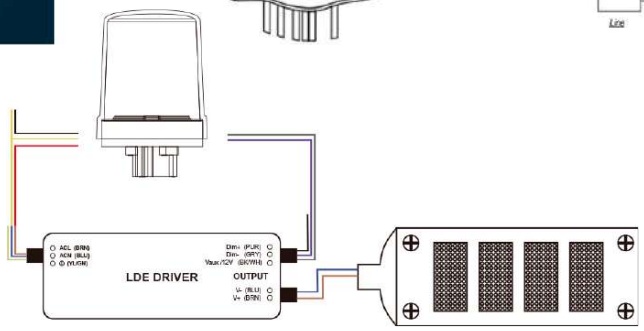
Reduce data costs : By utilizing NB-IoT and LTE-M technology, which boasts lower data costs compared to other communication systems like 2G, 3G, or 4G, it is feasible to decrease expenses associated with data transmission between devices and management systems.

FACILITY CHARACTERISTICS









Technical characteristics

Connectivity	LTE-M / Nb IoT
Power supply	100-240VAC 50/60Hz
Electrical output: 220 VAC/16A relay	220VAC 16A
Graduation output	0-10VAC
Support for the NEMA standard	ANSI C136.41
Operating temperature	– 40 °C / +85 °C
Dimensions	Ø84x76mm