

Smart Street Lighting Management Controllers

The Smart Street Lighting Management Solution from EkoLum supports any Streetlight controller that communicates using the standardized ISO / IEC 14908 -1 and -2 protocol, also called LonWorks. As a consequence, the EkoLum Solution is available that :

- Dims any magnetic ballasts, 1-10V and DALI electronic ballasts as well as LED luminare
- Provides a monitoring solution for any type of lamp source, including LED systems
- Detects all lamp / ballast failures and alerts in each streetlight (lamp fault, lamp flickering, ballast failure, high / low voltage, high / low current, capacitor failure, lamp's end-of-line, high temperture)
- Measures energy consumption (Kwh) that is aggregated and displayed in energy analysis reports within the EkoLum Management Solution Web Site
- Gets the lamp's burning hours to anticipe lamp's end-of-life and group onsite operations
- Collects voltage, current, power and power factor to better diagnose and anticipate any problem on the wiring network
- Provides Streetlight Controllers to installed in the pole and / or in the luminaire, depending on your configuration
- Is independant from manufacturers of ballasts and monitoring solution, to provide sustainable solutions for the next 30 yeras, to provide you with the choice and neotiation power and to be fully compatible with open tender processes



EkoLum Street Management suport 10 types of Streetlight Controllers from 7 manufacturers. Every month, new ballast and controller manufacturers are adopting LonWorks as the communication platform so that you can remotely control your streetlight with their product. The EkoLum solution also enables you to remotely control any Powerline LonWorks-enabled device on the grid and MODBUS device in the cabinet.

Streetlight Controllers

Energy Savings
Automatic failures detections
Remote control in realtime
Increased lighting efficiency

	SELC 2000	SELC 3000	PHILIPS STATRSENSE	ROMLIGHT	SCS	CITYLONE TOR	CYTILONE FERRO	CITYLONE DALI	CITYLONE 1-10V	INTRON	METERCON
ISO 14908-1 AND CERTIFIED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CAN BE INSTALLED IN THE POLE			✓		✓	✓	✓	✓	✓	✓	
CAN DIM MAGNETIC BALLASTS							✓				
CAN DIM ELECTRONIC BALLASTS	✓	✓	✓	✓				✓	✓	✓	✓
ALARMS											
Lamp Fault	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Weak Lamp	✓	✓									
High / Low Current			✓	✓		✓	✓	✓	✓	✓	✓
High / Low Voltage	✓	✓	✓	✓		✓	✓	✓	✓		✓
Low Capacitor			✓	✓	✓	✓	✓	✓	✓		✓
High Temperature	✓	✓		✓							✓
Lamp Flickering					✓						
Brown out	✓	✓									
End - of - Life	✓	✓	✓	✓		✓	✓	✓	✓		
ELECTRICAL MEASURES											
Mains Voltage			✓	✓		✓	✓	✓	✓	✓	✓
Lamp Voltage	✓	✓									
Mains Current	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
Active Power	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
Power Factor			✓	✓	✓	✓	✓	✓	✓		
ENERGY CONSUMPTION IN KWH	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
LAMP BURNING HOURS	✓	✓	✓	✓		✓	✓	✓	✓		✓
MAX LAMP POWER	50, 70 100,150w	100w	50 to 400w	250w	< 400 w	< 250 w	< 250 w	< 250 w	< 250 w	< 400 w	< 250 w

* The above list is constantly updated with new products coming up on the market which are 100% compatible with the EkoLum Smart Street Lighting Management Solution. For more information about the above Controllers, please contact us or the manufacturer.

www.ekolum.net