

STREETLIGHT CONTROLLERS

FOR REMOTE POINT-TO-POINT MANAGEMENT OF LED STREETLAMPS

The Luminibus product family of lamp controllers allows point-to-point remote management of LED and discharge streetlamps, covering any possible technical requirement in terms of diagnostics, control and streetlight service certification.

The basic features of any Luminibus lamp controller are the switching on/off, the dimming and communication to the control room of the operating status, diagnostic values, lamp lifetime, consumption and electrical measurements, **together with the easiest "plug-and-play" GPS-based installation and self-configuration.**

The streetlamp equipped with the Luminibus controller works according to the provided luminous plan, based on absolute time or local ephemerides, **working in stand-alone mode and executing instant commands received from the central software via PLC, RF or NB-IoT™ networks.**

The different types of Luminibus controllers (PLC, RF or NB-IoT™) can be combined together to help the streetlight manager operate on any type of scheme in the area.

Luminibus ensures the best openness to third-parties future application, security of the communication, minimization of the "vendor lock-in risk", business continuity over time and **the best expandibility towards "SMART CITY" concept**, thanks to the use of open communication protocols.

In combination with CB200, the remote control system for switchboards and data concentrator, the lamp controllers provide full control and diagnostic of the whole streetlight scheme: lamps, switchboards and anything in between.

Luminibus® controllers are available in a wide multiplicity of versions: in-lamp **IP20**, in-pole **IP67, NEMA®, ZHAGA®, Lumawise®** and with **different communication protocols: Powerline Meters and More, NB-IoT™ and LoRaWAN.**







NB-IoT™
plug&play version available

meters
AND **more**
OPEN TECHNOLOGIES
ASSOCIATED MEMBER

APK
SMART TECHNOLOGIES
a Maggioli Group company

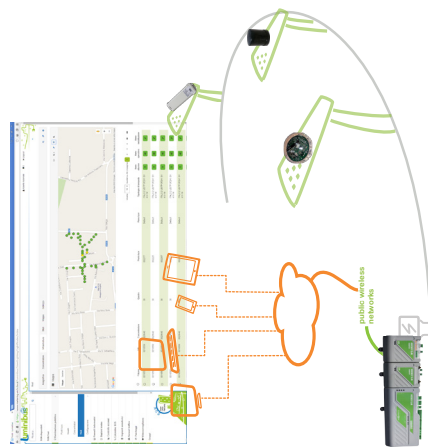
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installation	power supply	isolation class	dimming interface	relay	case	surge protection	communication	electrical measurement	activation
 inside the lamp fixture	220/230 Vac 50±60 Hz 0,7W	II	0÷10 V Dali with astronomical clock based profile	built-in max 150W with astronomical clock based profile	plastic UL94 150x52x35 IP20 with connectors	6 kV 2Ω	PLC Meters and More	Voltage Active power Cosp Lifetime (hrs)	via APP or software
 inside the pole					plastic UL94 156x52x35 with class II cables		PLC Meters and More		via APP or software
 outside lamp fixture	24 Vdc from aux power out	-	Dali	-	NEMA® socket	-	LoRaWAN NB-IoT™	plug&play and self-georeferencing via GPS	plug&play and self-georeferencing via GPS
 outside lamp fixture					Lumawise® Endurance		NB-IoT™		plug&play and self-georeferencing via GPS



Luminibus is a complete smart lighting management system

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main features

- switch on/off and manage the luminous flux according to the luminous profile
- detection of the lamp operating status (on/off, temperature, electrical measurement as voltage/current cosp/etc.)
- storage of info about lamp operating time
- remote software upgrade
- electrical power consumption (KWh)
- real time clock

