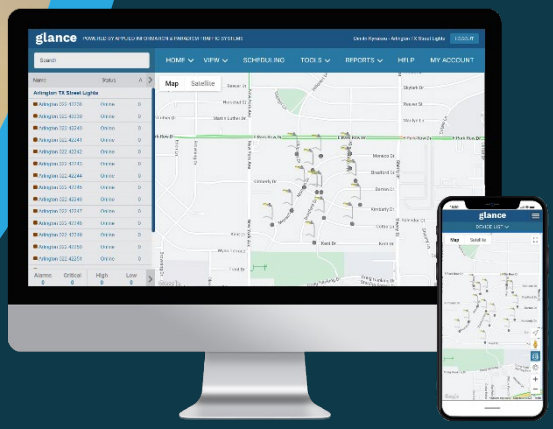
APPLIED® INFORMATION



AI-500-022

Street Light Monitoring

At Applied Information®, we understand the importance of dependable street lighting. Applied Information's Street Lamp Monitoring system connects to your street light infrastructure, and offers the ultimate solution for managing individual streetlamps with easy, real-time, remote monitoring, and control capabilities. The system further offers public works and/or traffic departments advanced scheduling, monitoring of health statistics, and dynamic alerts to assist in reducing maintenance costs, improving visibility in urban areas, and providing supplementary public safety benefits.

The AI-500-022 device is equipped with a cellular modem with connection over the 4G network, GPS for automatic self-locating, and an accelerometer for tilt and knockdown detection sensing. Integration and connectivity to the cloud-based Glance® platform allows for: 24/7 management, power monitoring, remote programming, astrological clock scheduling capability, advanced data collection, and automatically generated reports detailing key performance indicators. Alerts are provided via text and email when problems are detected in the field, ensuring real-time notification of power failures, supported by an integrated last-gasp battery back-up system, light ON/OFF errors, knockdown events, and more. The device also continues to log events locally if the cellular network connection is down or lost.

The AI-500-022 is compliant with NEMA standards for Roadway Area Lighting Equipment and ANSI C136.41 standards, the enclosure is IP66 rated, ensuring full durability in all weather conditions. The AI-500-022 is a fixture-agnostic device, making it compatible with any 0-10 VDC dimming fixture with an ANSI C136.41-compliant receptacle.

FEATURES & BENEFITS

- Cost-effective remote monitoring solution
- Easy installation and configuration
- Exclusive access to the Glance platform
- Email and text alerts of system faults
- Future-proof with “over-the-air” updates
- Programming capability (dusk-to-dawn, dimming)
- Astrological clock scheduling
- Built-in knockdown detection sensor
- Power monitoring
- Light ON/OFF errors
- Improved visibility and safety benefits
- Local photocell override available

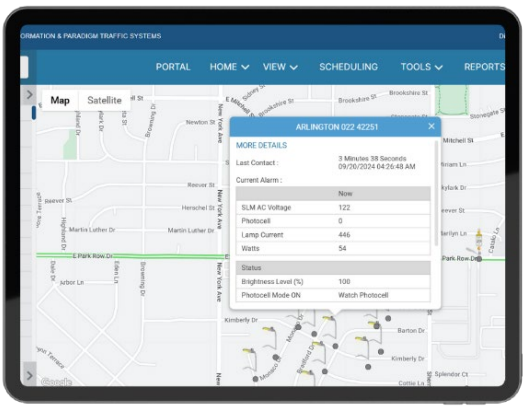
WORKS WITH glance™

HARDWARE SPECIFICATION

AI-500-022	
Connectivity	
Cell Modem	Yes
OTA Software Updates	Yes

Inputs/Outputs	
AC Voltage	Yes
Lamp Current	Yes
Light Sensor	Yes
Temperature	Yes
Dimming	0-10 VDC

Miscellaneous	
GPS	Yes (Accurate to 3m)
Enclosure IP Rating	IP66
Knockdown Sensor	Yes
Operating Temperature	-40°C to 80°C (-40°F to 176°F)
Humidity	5-95% non-condensing
Dimensions	3.85”H x 3.5”D
Input Voltage	120/240/277/480 VAC
Power Consumption (Avg.)	5W
Non-volatile Memory	Yes
Last Gasp Battery Backup	Yes



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