



## **LPC** LOCAL PRODUCT • • TWIST • Controller **TWIST**

### 7-pin Power Line Local Product Controller Twist lock

- For improved security and safety
- Perfect for wave-blocking materials environment
- ANSI C136.41 compliant
- Smart City ready

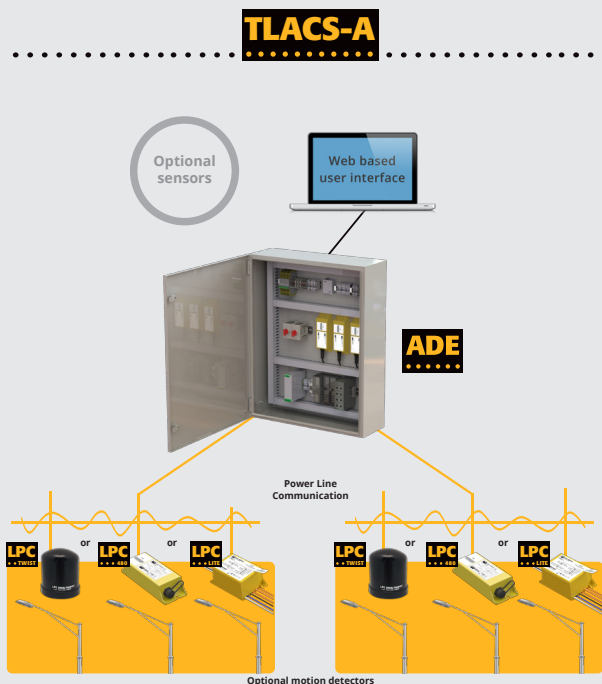
**NYX** HEMERA  
• • • • • Technologies Inc.

Adaptive Power Line Lighting Control

# •Nyx Hemera Technologies' LPC Twist

The LPC Twist is a power line local product controller to be installed in a 7-pin ANSI C136.41 luminaire receptacle. It is used within Nyx Hemera Technologies' TLACS-A turnkey solution for controlling and monitoring any outdoor area needing a higher level of safety and security and seamless communication in infrastructures with concrete, steel structures, or other wave blocking material.

Using power line communication, the LPC Twist has no antenna and is not linked to any wireless network, making a lighting system using LPC Twist practically impossible to hack remotely. It is a perfect lighting control solution for sensitive sites like detention centers, seaports, power plants and refineries, where security is an issue, or in other remote areas, where wireless networks are not accessible.



In a TLACS lighting control solution, the LPC Twist communicates two-way over powerline, using the electrical system that supplies the luminaires with electricity. This means that you don't have to dig to add wires for the control and monitoring of the luminaires.

This system allows the control and supervision of all electrical parameters of the luminaires, its status and the number of hours of utilization.

The LPC Twist has a proven robustness and its a built-in filter reduces noise on the current. It also incorporates a dynamic repeater that improves reliability and transmission distance.

Installed in the 7-pin receptacle of the luminaire, the LPC Twist is compatible with luminaires powered by currents ranging from 120 to 480 volts. Control type is 0-10 volts and ON/OFF.

It controls lighting levels through a virtual schedule or various sensors such as photocells, photometers, motion sensors plus all other sensors offered in option. An optional GPS is also available for a better management of larger luminaires park.



## Features

- Two-way powerline communication (without new wiring)
- Individual monitoring and luminaire control with alarm reporting:
  - Voltage
  - Current
  - Power factor
  - Power consumption
  - Diagnostic
- Luminaire status reporting
- Luminaire usage hours monitoring
- LPC internal temperature monitoring
- Dynamic repeater function providing the optimum level of communication robustness
- Light loss factor compensation
- Dimming control type 0-10V and ON/OFF relay
- Built-in internal photocell for autonomous or fail-safe operation
- Optional built-in GPS to ease system commissioning and localization

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## Nyx Hemera Technologies

Nyx Hemera Technologies develops and markets lighting control systems for road tunnels, underpasses, and areas. For almost 15 years, the TLACS has been installed in over 100 infrastructures with major luminaire manufacturers worldwide. In addition, Nyx Hemera Technologies offers turnkey services – from feasibility analysis to after-sales service.

Disclaimer: All of the above information, including drawings, illustrations, and graphic designs, reflects our present understanding, and is to the best of our knowledge. We believe that the data presented is accurate and reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance of any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for these products is set forth in our standard terms and conditions of sale.