



TLACS-U

**Tunnel Lighting Addressable Control System
for underpasses and short tunnels**

- Self-commissioned
- Simplified scalable system
- Remote access
- Smart City ready



Intelligent Tunnel Lighting Control

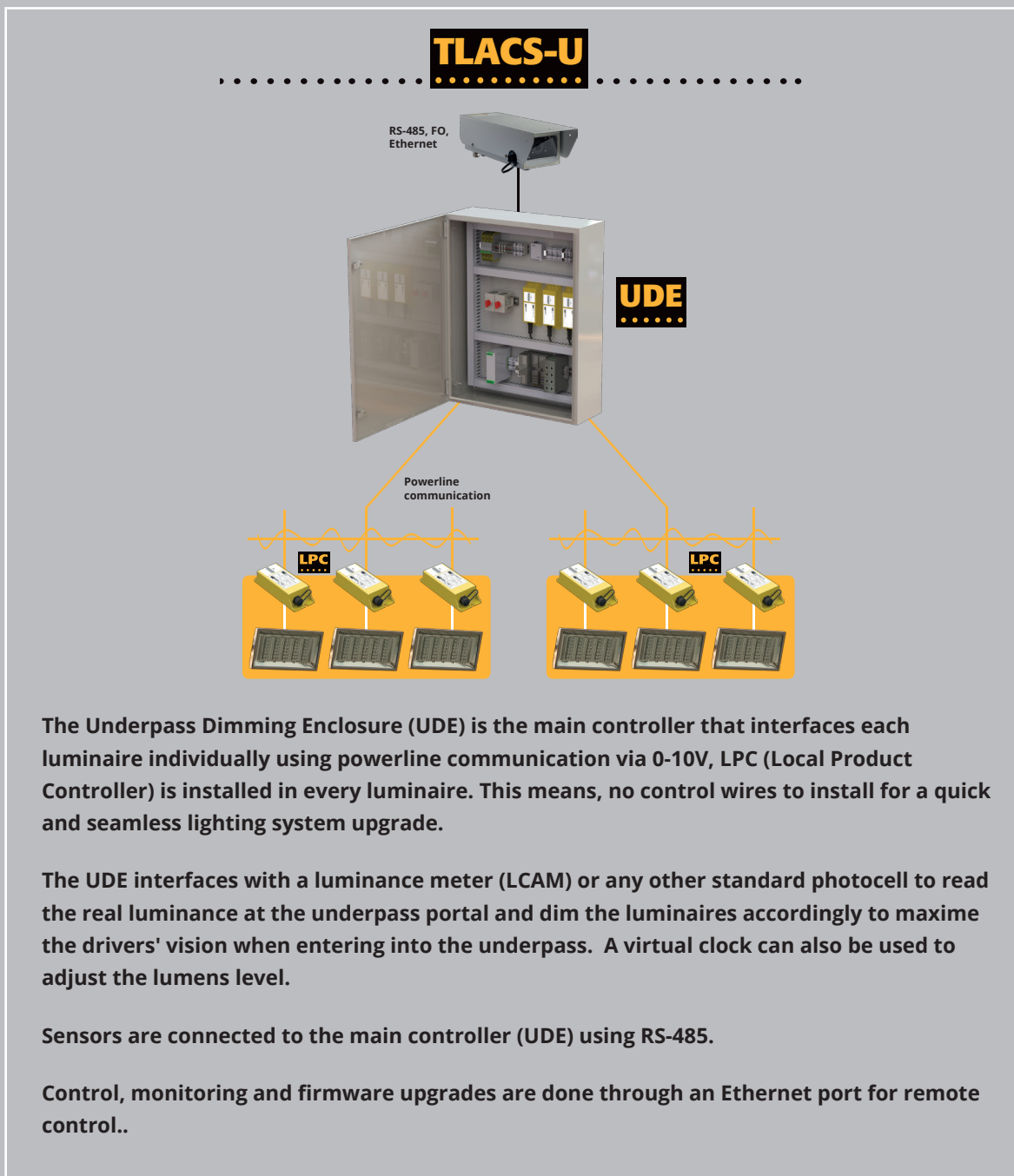
• Nyx Hemera Technologies' TLACS-U

Turnkey solution for controlling and dimming in underpasses and short tunnels.

With individual control and monitoring, TLACS-U is a simplified version of the TLACS-EM already installed in over 75 tunnels all around the world.

Remote or local access for easy to operate, lighting control and monitoring.

System installation can be performed by any electrical contractor: it is a plug and play solution with no software configuration required.



The Underpass Dimming Enclosure (UDE) is the main controller that interfaces each luminaire individually using powerline communication via 0-10V, LPC (Local Product Controller) is installed in every luminaire. This means, no control wires to install for a quick and seamless lighting system upgrade.

The UDE interfaces with a luminance meter (LCAM) or any other standard photocell to read the real luminance at the underpass portal and dim the luminaires accordingly to maximize the drivers' vision when entering into the underpass. A virtual clock can also be used to adjust the lumens level.

Sensors are connected to the main controller (UDE) using RS-485.

Control, monitoring and firmware upgrades are done through an Ethernet port for remote control..

Smart Underpass Lighting

TLACS-U is a Smart City ready system that easily integrates with most common smart city platforms.

Underpasses are now visible and managed in Smart city platform implementations thanks to TLACS-U!

Nyx Hemera Technologies

Nyx Hemera Technologies develops and markets tunnel lighting control for road tunnel and underpass. Over the last 10 years, the TLACS has been installed in over 75 tunnels around the world. Nyx' team is specialized in lighting control and tunnel operation. The company's offers a turnkey service – from feasibility analysis to after sales service anywhere in the world.

Nyx Hemera Technologies Inc.

875, Charest Ouest, suite 210
Quebec City, G1N 2C9, Canada
☎ | (418) 977-7788
✉ | (418) 977-7798
info@nyx-hemera.com

Find your local representative at

<http://www.nyx-hemera.com/en/contact>

www.nyx-hemera.com

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