

The Most Intelligent, Connected Outdoor Lighting Solution

Fulham Programmable Outdoor Drivers & Tvilight CityManager Software



- **Advanced driver management & cloud-based control system**

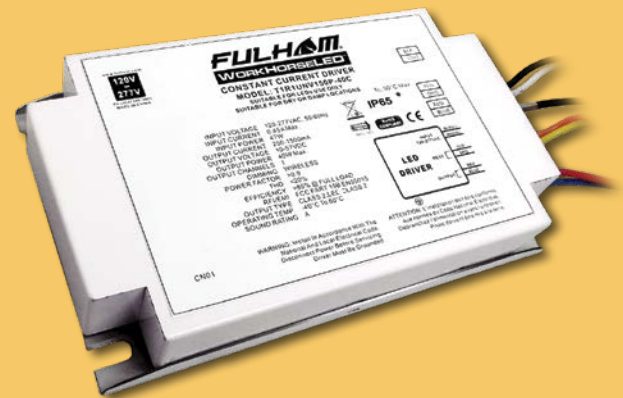
- Integration of all end-point hardware & software into the driver
- Simplified installation & commissioning
- Real-time driver & fixture health monitor
- Ability to remotely read & set driver functionality

- **Intelligent Programmable Drivers**

- Output current can be set in 1mA increments
- Flicker free dimming down to 1%
- Integrated surge protection

- **Ready for Smart City & Internet of Things (IoT)**

- Supports “light envelope” activation for bike paths & walkways



Fulham and Tvilight have developed the first integrated driver with wireless, cloud-based IoT management and controls. Building on each company’s innovation strengths, the combined solution provides a groundbreaking power and control system for outdoor lighting networks, and creates the infrastructure for Smart City applications.

When integrated into a street, parking or other outdoor fixture, the products provide a robust, cloud-based lighting control system for automated on/off/dim, as well as reporting fixture health. But that is just the beginning.

For the first time, the driver and control system are able to truly leverage each other’s strengths, giving the network controller the ability to read driver performance statistics, as well as reprogram the driver for different light sources, as in the case of a replacement LED light source that is much more efficient than the one it replaced.

The management system also creates a true platform for monitoring and tracking data far beyond basic lighting performance: traffic, environmental, noise, etc., which are collected by optional sensors and reported back to a cloud database or application.

Together, Tvilight and Fulham offer you and your customers the most advanced outdoor lighting control system available.



Outdoor Drivers

Intelligent, Programmable, Dimmable

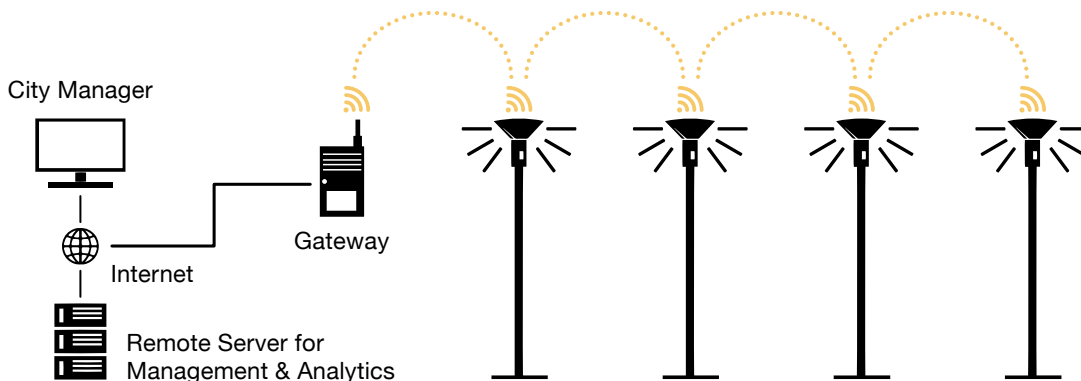
Model Number	Input Voltage	Output Wattage (W)	Output Volts	Output Current (mA)	Dimensions (L x W x H)
T1R1UNV150P-40C	120-277V, 50/60Hz	40	10-57VDC	250-1500	5.96" x 3.54" x 1.1"
T1R1UNV210P-60C	120-277V, 50/60Hz	60	10-57VDC	500-2100	5.96" x 3.54" x 1.1"
T1R1UNV150P-100C	120-277V, 50/60Hz	100	50-150VDC	500-1500	5.96" x 3.54" x 1.26"
T1R1UNV150P-150L	120-277V, 50/60Hz	150	70-280VDC	500-1500	9.47" x 2.33" x 1.52"
T1R1UNV140P-200L	120-277V, 50/60Hz	200	80-280VDC	500-1400	8.86" x 2.71" x 1.52"



Tvilight City Manager

CityManager is web-based control management software for outdoor connected lighting and Smart City applications. It allows users to monitor and control the entire lighting infrastructure from anywhere and through a single dashboard. CityManager provides real-time analytics of the health and conditions of the connected lighting networks, offering tools such as map-based visualizations, automatic status updates and failure reports. It minimizes the need for visual inspections and significantly cuts the operation and maintenance costs of networked lighting. Thanks to CityManager, users can benefit from full remote control, effective maintenance and optimized energy efficiency of their connected lighting projects. It is an excellent Smart City platform, enabling cities worldwide to benefit from outdoor sensor applications and IoT. CityManager makes use of open standards protocols (APIs).

Visit www.tvilight.com to learn more.



North America • China • Europe • India • Latin America • Middle East

12705 S. Van Ness Avenue, Hawthorne, CA 90250 • Tel: +1 (323) 599-5000 • Fax: +1 (323) 754-9060 • order@fulham.com

All trademarks are the property of their respective owners | ©Fulham Co. Inc., 2018 | P/N: FLYER-LED-TVI | REV: JAN18