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## Programmable LED Drivers Are Built for Harsh Environments

**TOPICS:** Dimming Fulham Co. Inc. LED Driver LED Luminaires Surge Protection Wireless Controls WorkHorse LED Extreme WorkHorse LED XE Series WorkHorse LED XP Series

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The WorkHorse LED Extreme family of constant current, programmable LED drivers is designed for outdoor and high-power applications.

drivers built for harsh environments.

The WorkHorse LED Extreme family is composed of two series of drivers: XP and XE. The XP Series includes outdoor LED drivers with integrated wireless controls to simplify customization and field installation. The WorkHorse LED XE Series offers output current programming up to 5000mA. Both series are rated IP65.

The WorkHorse LED XP Series drivers are available in five power configurations: 40W, 60W, 100W, 150W, and 200W. The WorkHorse LED units have MCU controlled circuitry, including MCU controlled health monitoring that allows for black box data

**Fulham Co. Inc.** has released the WorkHorse LED Extreme family of constant current, programmable drivers specifically designed for outdoor and high-power applications. WorkHorse LED Extreme drivers are programmable LED




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
to be captured for field analysis. The integrated wireless versions support Twilight’s City Manager control software, a building block for Smart Cities. The 0-10V dimming versions support dimming to 10 percent power. All XP Series drivers can be programmed with custom dimming curves, custom NTC thermal feedback, and power output. Tunable output power enables the drivers to be substituted into luminaires without affecting performance or lumen output.

All high-power WorkHorse LED XP Series drivers include intelligent driver over temperature protection, as well as intelligent module over temperature protection via NTC input to promote an extended life.

The WorkHorse LED XE Series drivers are available in two output configurations: 96W and 185W. The drivers support 0-10V dimming and programmable output current.


All WorkHorse LED Extreme drivers are configured using a handheld programmer or PC with Fulham’s SmartSet computer software. These tools address one of the challenges facing LED luminaire manufacturers – how to tune the driver’s output current to achieve optimal efficiency and performance.

WorkHorse LED Extreme drivers carry an IP65 rating, 6kV or 4kV of internal surge protection and come with a five-year warranty. Products support either 347VAC or universal voltage input, for operation around the world.



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